MASTER AGREEMENT

BETWEEN

CITY OF TAKOMA PARK AND THE AMERICAN FEDERATION OF STATE, COUNTY, AND MUNICIPAL EMPLOYEES

AFL-CIO AFSCME MARYLAND COUNCIL 3 AND LOCAL 3399

JULY 1, 2023 TO JUNE 30, 2026

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ARTICLE 1 PURPOSE

It is the purpose of this Agreement to promote and ensure harmonious relations, cooperation and understanding between the City of Takoma Park, Maryland hereafter known as the Employer, and AFSCME Maryland Council 3, AFL-CIO and hereafter referred to as the Union representing Employees covered by this Agreement, and to ensure full collective bargaining on wages, hours and working conditions.

ARTICLE 2 UNION RECOGNITION

The Employer recognizes the Union as the sole and exclusive representative of all permanent Employees in Bargaining Unit 2 as certified by the Department of Labor & Industry.

SECTION 1: Deduction of Union Dues

The Employer agrees to deduct from the salary/wage of each Employee who has completed and submitted a signed card, personally or through the Union, to the Employer a bi-weekly amount equal to 1/26 of the annual dues. Such withholding for Union dues are to be sent monthly to AFSCME Maryland Council 3. The Union will notify the Employer in writing thirty (30) days prior to any change in such dues.

SECTION 2: Indemnification by Union

The Union agrees to indemnify and hold harmless the Employer from any loss or damages due to payroll errors arising from the operation of this Article and from any service fee dispute between the Union and non-Union member Employee.

SECTION 3: Job Titles

- (a) The Union will represent those Employees who occupy a position in the Employer's classified service that requires work on a continuous basis for a minimum of twenty (20) hours per week; is classified in one of the jobs listed in (b), below; or whose duties are covered by or similar to the job specifications of these titles. Positions covered under this Agreement will not be eliminated or divided into lesser hours solely to avoid qualifying for union status.
- (b) Accounting Assistant, Administrative Assistant, Application and Hardware Administrator, Arts & Humanities Coordinator, Audio Visual Specialist, Building Maintenance Specialist, Code Enforcement Officer, Community Engagement Specialist, Communications Specialist, Crime Analyst, Custodial Crew Leader, Custodian, Customer Service and Passport Technician, Dispatch Supervisor,

Dispatcher, Emergency Preparedness/Policy Research Manager, Equipment Operator, Grants Coordinator, Housing Specialist, Instructional Library Assistant, IT Project Specialist*, IT Systems Specialist, Librarian, Library Associate, Library Manager, Licensing Specialist, Logistics/Payroll Specialist, Mechanic, Parking Enforcement Coordinator, Parking Enforcement Officer, Photo Enforcement Analyst, Planner, Police Records Assistant, Property & Evidence Technician, Records Specialist, Recreation Center Supervisor, Recreation Facilities and Fields Manager, Recreation Program Coordinator, Recreation Programs Manager, Recreation Programs Supervisor, Recreation Specialist, ROW Crew Leader, ROW Maintenance Technician, Sanitation Driver, Sanitation Technician, School Crossing Guard, Senior Accounting Assistant, Senior Planner, Senior Code Enforcement Officer, Special Projects Coordinator, Systems Administrator, Urban Forest Manager, Vegetation Maintenance Technician, Victim/Witness Coordinator, and Video Production Manager.

*IT Project Specialist is a temporary position under ARPA.

- Employees in the following titled jobs are considered as "confidential" or (c) supervisory and as such are not represented by the Union: Accounting Supervisor, Assistant City Clerk, Assistant Recreation Director, Budget & Accounting Manager, Chief of Police, City Engineer, City Manager, Community Development Manager, Construction Manager, Deputy City Manager, Deputy Chief of Police, Deputy Director of Public Works, Director of Housing & Community Development, Director of Communications/City TV, Director of Council Affairs/City Clerk, Director of Finance, Director of Housing & Community Development, Director of Human Resources, Director of Information Technology, Director of Public Works, Director of Recreation, Equipment Maintenance Supervisor, Executive Assistant, Facility Maintenance Supervisor, Human Resources Coordinator, Human Resources Generalist, Library Director, Public Information Manager, Police Captain, Police Lieutenant, Police Sergeant, Policy and Data Analyst, ROW Supervisor, Sanitation Supervisor, Senior Police Captain, Sustainability Manager, and Vegetation Maintenance Supervisor. The positions of Police Corporal, Police Private, Police Private First Class, and Police Recruit are not represented by the Union.
- (d) If a person, meeting the requirements of (a), above is hired, promoted to, or reclassified to a position not listed in (b) or (c), above, management will inform the Union and together they will reach a mutual agreement relative to whether or not the position is to be represented by the Union.
- (e) The Employer and the Union agree that the Labor Management Committee will discuss whether newly created positions at the City should be included or excluded from the bargaining unit. Unless otherwise agreed, the committee will meet quarterly.

SECTION 4: Right to Information

The City shall furnish to the Union monthly a list, in Excel or equivalent format, of all employees in the bargaining unit. This list shall provide the name, job title, department, pay grade and step, hire date, position number, work location, bi-weekly dues amount, work e-mail address, work phone number, mailing address, and rate of pay of each bargaining unit employee. The City shall also provide to the Union monthly a list of changes in bargaining unit positions that involve new hires, lateral transfers, leaves of absence, separations, promotions, and retirements. The City shall provide to the Union quarterly a summary of health benefits designations for Employees.

ARTICLE 3 NON-DISCRIMINATION

- (a) The provisions of this Agreement will be applied equally for all members of the bargaining unit without discrimination as to age, sex, marital status, race, color, creed, national origin, political or religious affiliation, sexual preference, gender identity, family responsibilities, physical or mental disability, genetic status, or Union activity.
- (b) The parties mutually commit themselves to promote the full realization of equal employment opportunity through a continuing affirmative action program.
- (c) The provision of this Article will be subject to the negotiated grievance procedure. However, should the grievance procedure fail to produce a resolution of any grievance arising under this Article, the grievance will not be subject to arbitration, but will be referred to the appropriate government agency having jurisdiction.
- (d) The Employer agrees that Employees will not be harassed or discriminated against for exercising their right as citizens, Union members, or for any other reason.
- (e) All reference to Employees in this Agreement designate both sexes, and whenever the male gender is used it will be construed to include both male and female Employees. The term Employees will mean bargaining unit Employees.
- (f) The Employer agrees to provide the Union with updates of the Diversity Strategic Plan and make it available to all Employees covered under this agreement. The EEO complaint regulations and procedures will be published, posted and distributed to each Employee as well as included in the Diversity Strategic Plan. It is understood that official time for preparation and preparation for resolution of a grievance/complaint pertaining to this article will be granted upon request.

ARTICLE 4 GRIEVANCES

SECTION I: Defined

A grievance is defined as a dispute between the Employer and the Union alleging that an Employee has been aggrieved by: (a) violation of an express provision of this Agreement; (b) violation of a written City of Takoma Park personnel policy; (c) violation of written work rules and practices; (d) violation of past practice established or continued after the effective date of this Agreement; (e) violation of laws, rules, or regulations that apply to Employees; and/or (f) inequitable application of any of the provisions listed above.

SECTION 2: City Code Grievance Procedure

An aggrieved Employee may, as an alternative to the grievance procedure established in this Article 4, use the grievance procedure provided under the City Code to the extent permitted under the City Code. An Employee shall not be permitted to use both this Agreement's grievance procedure and the City Code grievance procedure to challenge the same action.

SECTION 3: Immediate Elevation to Step Three

Cases involving suspension, discharge, or alleged unreasonably hazardous situations initially will be processed at Step Three.

SECTION 4: Right to Representation

- (a) No bargaining unit Employee will be disciplined, or formally counseled without a steward present if so requested by the Employee. Formal counseling is defined as performance or behavior counseling which results in a written record of the session being placed in the Employee's official personnel file.
- (b) Should an Employee believe that a need has arisen for an immediate meeting with a shop steward or other Union representative he will be allowed to do so only after requesting permission from their immediate supervisor. The Employee will be allowed reasonable time during working hours to meet, with no loss of pay or benefits. Such request will be granted so long as it does not unreasonably interfere with the performance of the Employee's work or the operations of the City.
- (c) If an Employee believes that an assigned task is illegal or unsafe, the Employee will not be denied an opportunity to make an immediate phone call to a Union representative prior to performing the task.

SECTION 5: Policy

- (a) The parties recognize and agree that the Employer and the Union will make every effort to resolve all disputes in a fair and equitable manner. The resolution of a dispute or other problem will be consistent with the terms and conditions set forth in this Agreement.
- (b) Grievances must be filed within the time frames specified in this Article. Grievances not filed or appealed in a timely manner will be considered resolved based on the Employer's last action. Grievances that have not been responded to by the Employer within the time frames set forth in this Article will be moved to the next step in the contractual procedure. When the next step is binding arbitration and the Employer does not respond within the established time frame, the Union will notify the Employer in writing that it plans to proceed to binding arbitration unless the Employer responds to the grievance within ten (10) working days. If the Employer again fails to respond to the grievance, and the Union proceeds to arbitration, the Employer will bear the full cost of the arbitration.
- (c) The parties may, by mutual agreement, waive certain steps, and/or extend stated time frames. Such mutual agreement will be reduced to writing and signed by the parties prior to the expiration of said time frame. Grievances may, by mutual agreement of the parties, be advanced to any step.
- (d) The Local President or their designee may file a grievance. A grievance must identify: (i) the Employee or Employees aggrieved; (ii) the alleged violation; and (iii) the remedy sought. Class grievances may be permitted when the grievance involves (i) multiple employees; (ii) the same underlying facts and issues; and (iii) the same alleged violations of this Agreement. Class grievances will be processed beginning at Step 3 of the grievance procedure. Decisions regarding the outcome of class grievances may vary.
- (e) At each step of the grievance procedure, the Employee is entitled to representation by a Steward, Local Union President, or Local Union Officer unless the Employee objects to such representation. At Step Three the Employee is entitled to one additional Employee representative (*e.g.*, Chief Shop Steward, Local President). The Employer recognizes and will deal with authorized Council 3 representatives at any step. If an Employee objects to representation, the Union may still have a representative present at any step to observe the meeting.
- (f) Where the Department Head is an Employee's immediate supervisor, grievances will be initiated at Step One of the following procedure. If there is no resolution at Step One, the grievance will move to Step Three.

SECTION 6: Grievance Procedure

- (a) It is the intention of the parties to avoid filing unnecessary grievances. The parties will attempt to resolve an Employee's concerns prior to the filing of a formal written grievance. If a grievance cannot be resolved through informal discussion with an immediate supervisor it shall be processed as follows.
- (b) Step One: This Step One procedure will, at a minimum, involve the Employee's Steward and the Employee's immediate supervisor. Information about the grievance will be submitted in writing to the Employee's immediate supervisor within ten (10) working days of the occurrence that gave rise to the grievance or within ten (10) working days of the time the Employee should reasonably have been expected to have knowledge of the occurrence that gave rise to the grievance. The supervisor will, within ten (10) working days of receipt of the written submission, meet with the steward and the Employee for the purpose of discussing and resolving the grievance. The immediate supervisor will, within ten (10) working days of the meeting, respond to the steward in writing addressing the issues raised by the grievance. This Step One procedure will occur during normal working hours exclusive of lunch or break times. The steward will be provided a reasonable period of time to investigate and document the Employee's problem in this and all successive steps of the grievance procedure.
- (c) **Step Two:** If the grievance is not resolved at Step One, an appeal may be submitted in writing no later than ten (10) working days from receipt of the immediate supervisor's written response to the Employee's Department Head, or their designee. The Department Head or their designee will, within ten (10) working days from receipt of the grievance, meet with the Steward for the purpose of resolving the grievance. At the Union's discretion, present at the meeting may be the Employee, Steward, or the Local Union President, and reasonable and necessary witnesses for the Employee. The Department Head or their designee will respond in writing to the Union within ten (10) working days of the meeting.
- (d) Step Three: If the grievance is not resolved at Step Two, an appeal may be then filed in writing with the City Manager, or designee, within ten (10) days from receipt of the Step Two response. The City Manager, or designee, will, within ten (10) working days from receipt of the appeal, schedule a hearing at a mutually acceptable time and date. The City Manager or their designee will respond to the Union in writing within ten (10) working days of the hearing. At the Union's discretion, present for the Union at the hearing may be the Employee, Chief Steward, or Local President, and reasonable and necessary witnesses for the Employee.

SECTION 7: Binding Arbitration

- (a) Should the grievance not be resolved at Step Three, the Employee may request arbitration of the grievance by a neutral third party or the Local President may request arbitration for a class grievance. The decision whether to proceed to arbitration will rest solely with the Union. Arbitration will not occur without a formal written request to the City Manager by the Union within twenty (20) working days from receipt of the Step Three response. The Employer will in all cases comply with the request for Arbitration.
- (b) The Arbitrator will be selected within ten (10) working days of a request per Subsection (a) above from a list of practicing Arbitrators mutually agreeable to the parties. In the event the parties cannot agree upon an Arbitrator within ten (10) working days of a Subsection (a) request, each party will choose one (1) Arbitrator satisfactory to the party, and the resulting two (2) Arbitrators will choose one (1) Arbitrator other than themselves to hear the dispute.
- (c) Costs of the Arbitration, except as provided for in Section 5(b) above, will be borne equally by the parties and the Arbitrator's decision will be final and binding on the parties. The Arbitrator will in no event be empowered to change or modify any language in this Agreement. The Arbitrator will limit their decision to resolution of the dispute based on the facts of the case presented, their interpretation of the contract, and appropriate arbitration cases, not limited to this unit, along with other relevant information.

SECTION 8: Employee Rights Not Limited

Nothing in this Agreement limits the right of an Employee to utilize procedure(s) or seek remedy(ies) pursuant to local, state or Federal law, except as provided in Section 4.2 of this Article.

ARTICLE 5 STEWARDS/UNION OFFICIALS

SECTION 1: Recognition

- (a) The Employer recognizes and will deal with all Union representatives including but not limited to Stewards, Council Representatives and the Local President or their designee in all matters relating to grievances and interpretation of this Agreement.
- (b) "Union Representative" means any person designated or elected by the Union to officially represent its members, including full time paid staff of the Council and International Union.

SECTION 2: Steward Listing/Assignment

A written list of stewards (no more than 15) will be furnished to the Employer within thirty (30) days of the execution of this Agreement. The Union will notify the City Manager within fourteen (14) days of any changes in this listing.

SECTION 3: Processing Grievances/Meetings

Union Stewards and the Local Union Officers (President, Vice President, Treasurer, Secretary, and each of the three Trustees) recognize that their primary responsibility during work hours is to the Employer and their work for the Employer. After providing notice to their immediate supervisor and Department Head, a Steward or Local Union Officer will be allowed reasonable time during working hours with no loss of pay or benefits to investigate and settle grievances, confer with management regarding union issues, and attend workplace meetings (Labor Management Meetings, Negotiating Meetings, Grievance Meetings), so long as they provide advance notice to their immediate supervisor and Department Head. Advance notice shall be 24 hours' notice or as soon as possible if the need for this time is not known more than 24 hours in advance.

The Employer may deny time under this Section where the release time will interfere with the efficient operation of the Employer. Such requests will not be unreasonably denied. However, it is understood that work needs may justify the denial of release time. Such time will not be chargeable to any leave time. Such release time shall be arranged in a manner which causes the least disruption of, or interference with, the operations of the Employer, its employees, and supervisory personnel. If the time provided under this Section is not a sufficient amount of time that is needed by Local Union Officers and Stewards, then the Union and the Employer will meet to discuss the amount of time that is required. If the Employer denies release time under this Section, the subject meeting underlying the need for release time will be rescheduled in a manner that permits the Steward or Local Union Officer to perform their duties relative to that meeting and to a date and time that is mutually agreeable to the Employer and the Steward or Local Union Officer. The Employer and the Union, however, recognize that time is of the essence and delays shall not be unreasonable.

SECTION 4: Meetings

The Employer agrees to schedule meetings with the Union, including but not limited to grievance meetings/hearings, arbitrations, negotiations and Labor-Management meetings during normal working hours. Employees who participate in these meetings will suffer no loss of pay or benefits nor be discriminated against for attending or participating in such meetings. If the meeting relates to an employee grievance, the meeting will be scheduled during the grievant's normal working hours unless all parties agree to a different time. If no union representative is scheduled to work during the grievant's shift, the Union President or a shop steward may clock in for the time spent at the grievance meeting.

ARTICLE 6 UNION BUSINESS LEAVE

SECTION 1: Union Conventions and Training Programs

The Employer will allow two (2) bargaining unit members, inclusive of Local Union Officers and Stewards, to attend Union International and Council conventions. The Employer will be notified in writing of the name of the attendee thirty (30) days prior to the start of the absence. The Employer will also approve twenty-four (24) hours per year of Administrative Leave for each Union Officer (President, Vice President, Secretary, Treasurer, and each of the three Trustees) and Stewards to attend Union sponsored training programs. The Employer will be notified of the name of the attendees in writing ten (10) days prior to the start of a training session, and of the length of the absence.

SECTION 2: Workplace Meetings

Subject to the provisions of Article 5 and the provisions contained in this Article, the Employer agrees that during working hours, on the Employer's premises or via telework, and without loss of pay, Union representatives will be allowed to:

- Prepare for and attend Labor Management Committee Meetings. Union members on (a) these committees will be provided reasonable time each month to prepare for these meetings. Such release time may be taken provided prior notification of the time, including the amount of time initially anticipated, is given to and is not denied by their immediate supervisor and Department Head. The Employer may deny time under this Section where the release time will interfere with the efficient operation of the Employer. Such requests will not be unreasonably denied. However, it is understood that work needs may justify the denial of release time. Preparation for these meetings will be paid time so long as the preparation takes place during the Employee's regular working hours. Time spent at Labor Management Committee meetings will be paid time. The Union may request additional time for preparation purposes and such requests will not be unreasonably denied so long as the additional time sought is reasonable, necessary, and does not interfere with Employer operations. If the Employer denies release time under this Section, the subject meeting underlying the need for release time will be rescheduled in a manner that permits the Steward or Local Union Officer to perform their duties relative to that meeting and to a date and time that is mutually agreeable to the Employer and the Steward or Local Union Officer.
- (b) <u>Prepare for and attend Negotiating Meetings</u>. Union members on the Union's negotiations team will be provided reasonable and necessary time during Employee working hours to prepare for negotiations in the 45 days prior to the expiration of this Agreement and while negotiations are ongoing. Such release time may be taken provided prior notification of the time is given to and is not denied by their immediate supervisor and Department Head. The Employer may deny time under this Section

where the release time will interfere with the efficient operation of the Employer. Such requests will not be unreasonably denied. However, it is understood that work needs may justify the denial of release time. So long as the time spent preparing for negotiations is during the workday, Employees will suffer no loss in pay for such preparation. Time spent by Employees in negotiations will be paid time.

At least 45 days prior to the expiration of this Agreement, the Union President will provide the Employer with a list of persons on the Union's negotiations team.

Where more than two (2) Employees from one department are on the Union's Negotiation Team, bargaining sessions will be scheduled to avoid disruption to the Employer's operations.

(c) Union Leadership Committee. The Employer will permit Local Union Officers (President, Vice President, Secretary, Treasurer, and each of the three Trustees) and the Chief Shop Steward one and one-half (1.5) hours each month, without loss of pay, to attend Union Leadership Committee meetings. Such release time may be taken provided prior notification of the time, including the amount of time initially anticipated, is given to and is not denied by their immediate supervisor and Department Head. The Employer may deny time under this Section where the release time will interfere with the efficient operation of the Employer. Such requests will not be unreasonably denied. However, it is understood that work needs may justify the denial of release time. Attendance at these meetings will be paid time so long as the meeting takes place during the Employee's regular working hours. The Union may request additional time for these meetings and such requests will not be unreasonably denied so long as the additional time sought is reasonable, necessary, and does not interfere with Employer operations. If the Employer denies release time under this Section, the subject meeting underlying the need for release time may be rescheduled in a manner that permits the Local Union Officers and Chief Shop Steward to perform their duties relative to that meeting and to a date and time that is mutually agreeable to the Employer and the Steward or Local Union Officer.

SECTION 3: Use of Employer Facilities

The Union is permitted to use City facilities and email for Union-related business and meetings so long as such use is consistent with City policies and practices regarding such use.

ARTICLE 7 LEAVE

SECTION 1: Vacation Leave

- (a) Employees will earn vacation leave days on a pay period basis based on years of service with the Employer, calculated from the Employee's initial hire date and the earned leave becomes available for the Employee's use at the end of each month. Employees will not be eligible for vacation leave unless they have completed ninety (90) days of continuous employment.
- (b) Full-time Employees will earn vacation leave based on the following schedule:

Length of Service	Pay Period	Annual
0 to 5 years	3.692 hours	12 days
Over 5 to 10 years	5.538 hours	18 days
Over 10 years	7.384 hours	24 days

Part-time Employees earn vacation leave on a pro rata basis.

(c) Except in emergency situations, vacation leave will be requested as follows:

Amount of Leave	Advance Notification Required
2 - 4 days leave	Two (2) working days in advance
5 or more days leave	Five (5) working days in advance

- (d) The approval or disapproval of leave of one (1) day or less will be at the supervisor's discretion. Employees must notify their supervisor at least one (1) hour prior to their scheduled starting time under this Section. Requests will not be unreasonably denied. This provision does not preclude Employees from using vacation leave for no more than 30 minutes to "top off" their hours at the end of a workday, for a total of no more than one hour in a work week.
- (e) Vacation requests will be made in writing to the immediate supervisor. Written vacation requests for leave will be approved or disapproved within five (5) working days of receipt by the supervisor. Request for vacation leave will not be accepted more than six (6) months prior to the actual starting date of the leave; in exceptional circumstances, requests for vacation leave may be made more than six (6) months in advance in order to establish priority for consideration.
- (f) Vacation requests will not be unreasonably denied. Such denial will be subject to the provisions of the grievance procedure as specified in this Agreement.
- (g) Vacation approval will not be subject to revocation except in cases of an emergency or disaster.

- (h) Employees may only be called in to work while on vacation in the event of an emergency or disaster. The Employee will have the vacation time worked restored to their vacation accrual for use at a later time.
- (i) Full-time Employees may accumulate two hundred forty (240) hours of vacation leave days; part-time Employees accumulate leave on a *pro rata* basis.
- (j) Within one month of separation from employment for any reason, Employees will be paid for all accrued but unused vacation time.
- (k) Employees on vacation leave on the day of an early closing will only be charged for the time they would have worked had they reported to work on the early closing day.
- (1) Vacation leave may be taken in increments of minutes, although requests for leave may be made in day, hour or partial hour amounts.
- (m) Any holiday as defined in this Agreement that falls within an Employee's scheduled vacation will not be counted as a day of vacation.
- (n) An Employee whose vacation approval is subsequently revoked per Subsection (e) above or who is called in from vacation pursuant to Subsection (f) above will be reimbursed by the Employer for the costs of any reservations that were made subsequent to the approval of their vacation request, provided that the Employee provides proof of the incurrence of such costs and such costs are non-refundable from the reservation agent, hotel, airline, etc.
- (o) Employees who become ill, are injured, or are hospitalized while on vacation leave will be permitted to use sick leave in lieu of vacation leave for the duration of the illness, injury or hospitalization provided:
 - (i) A written request to do so is submitted to the Employer within ten (10) working days of the end of that Employee's approved vacation leave; and
 - (ii) The request is accompanied by a doctor's certificate specifying the nature and duration of the Employee's illness, injury and/or hospitalization.
 - (iii) This provision is not intended to cover minor illnesses or injuries.
- (p) Employees may request to use advance vacation leave up to the amount they would accrue to them during the calendar year in which they use the leave. Approval is at the discretion of the City Manager.

SECTION 2: Sick and Safe Leave

- (a) The Employer recognizes that an Employee may occasionally need to take leave from work because of injury, illness, maternity or paternity leave, domestic violence, sexual assault, or stalking, as those terms are used in the Maryland Healthy Working Families Act. As a result, sick and safe leave with pay will be granted to an Employee consistent with this Section 7.2.
- (b) Effective January 1, 2021, full-time Employees will be front loaded 120 hours of sick and safe leave on January 1 of each year. There will be no limit to the accumulation of sick and safe leave. Part-time Employees will be front loaded sick and safe leave on a *pro rata* basis on January 1 of each year. Employees will not be paid for accumulated unused sick and safe leave at the time of termination of employment. For new employees, a *pro rata* amount of sick and safe leave will be frontloaded based on the date of hire. An employee hired between the 1st and 15th of the month will receive ten (10) hours (or the *pro rata* amount for part-time employees) for that month. An employee hired after the 15th of the month will receive five (5) hours for that month (or the *pro rata* amount for part-time employees).
- (c) Sick and safe leave may be taken in minute increments, although requests for leave may be made in day, hour or partial hour amounts.
- (d) The Employee will make every attempt to contact his immediate supervisor or the supervisor's designee (*i.e.*, Secretary, Foreman, etc.) within one (1) hour (post or prior) to the time the Employee would normally be expected to report for work or within one (1) hour of the time that Department's Office hours begin, whichever is earlier. If an Employee is unable to contact his supervisor or the supervisor's designee, the Employee must leave a message with his or her supervisor. Employees who are Police Dispatchers will telephone the on-duty shift supervisor at a minimum of one (1) hour in advance of their normal reporting time for their assigned shift.
- (e) Employees may use accrued sick and safe leave in accordance with the provisions of the Maryland Healthy Working Families Act, and if an absence is due to quarantine, required physical or dental examinations or treatments, exposure to a contagious disease when continued work might jeopardize the health of others, or for an immediate family medical emergency.
- (f) For purposes of this Section, "family member" has the meaning set forth in the Maryland Healthy Working Families Act, and further includes:

- (i) Domestic partner.
- (ii) Persons other than family members under the same roof: Sick and safe leave may be granted when there is a demonstrated need for the Employee to be present to care for another person with whom he resides.
- (iii) Legally related persons, other than family members, not under the same roof: Sick and safe leave may be granted when there is a demonstrated need for the Employee to be present to care for a legally related person residing outside the Employee's domicile.-
- (g) In the case of chronic or significant illness, the Employer may require a licensed medical practitioner's certificate as to the nature of the illness and as to the Employee's physical capacity to resume their duties. The certificate will indicate dates of treatment and the diagnosis and prognosis if the Employee's absence qualifies as Family and Medical leave under Section 10 of this Article 7.
- (h) Use of sick and safe leave for four (4) or more consecutive days will be supported by a licensed medical practitioner's certificate or other written verification acceptable to the Employer. Employees will not be required to provide a certificate for absences of three (3) consecutive days or less, except to explain work-related restrictions.
- (i) An Employee may be required to submit to a medical examination at the Employer's expense to determine fitness for duty when a supervisor reasonably believes that the Employee's physical or mental condition may render the Employee unable to perform the duties of the Employee's position or endanger the health or safety of others.
- (j) An Employee who shows a pattern of using sick and safe leave the day before or the day following a holiday or following a vacation day more than two (2) times in a twelve (12) month period, may be placed on sick and safe leave restriction. Employees who are on sick and safe leave restriction are required to provide satisfactory written explanation of any absence charged to sick and safe leave unless leave is supported by a physician's certificate or other documentation acceptable to the City. Sick and safe leave abuse will not be tolerated and will directly reflect on performance reviews. Continued undocumented use of sick and safe leave, where documentation is permitted by the Maryland Healthy Working Families Act, may be cause for disciplinary action to include termination of employment. An Employee who works for six (6) consecutive months without undocumented sick and safe leave will be taken off of sick and safe leave restriction.

- (k) Should a workplace closing occur due to inclement weather while an Employee is on sick and safe leave, the Employee will only be charged for that portion of the day he normally would have been required to work.
- (1) At least once each calendar year the City will provide an open enrollment period during which employees may voluntarily join the sick leave bank for eligible employees, consistent with the procedures established by the City. The City will provide the Union an opportunity to provide feedback on sick leave bank procedures prior to implementation.

SECTION 3: Personal Leave

Employees are entitled to personal leave days on an annual basis, which will be earned and used in the year earned as follows:

Length of Service	Number of personal days
0 - 5 years	2
Over 5 - 10 years	3
Over 10 - 15 years	4
Over 15 - 20 years	5
Over 20 + years	6

The Employer recognizes that Employees may have reason to use a day of personal leave on short notice. An Employee should contact their supervisor as soon as the Employee has knowledge of the intent to use a personal leave day. At the very least, employees must notify their supervisor within one (1) hour prior to the time the Employee would normally be expected to report for work. Requests will not be unreasonably denied.

Requests for more than one consecutive personal day must be made in writing to the Employee's immediate supervisor, or designee, using a Leave Request Form. Written requests for more than one consecutive personal day will be approved or disapproved within two (2) working days of receipt by the supervisor. Department Heads may waive this requirement at their discretion.

Effective July 1, 2020, Crossing Guards who have completed their probationary period, are entitled to a prorated personal leave day on an annual basis, which will be earned and used in the year earned. A Crossing Guard is not entitled to more than one prorated personal leave day.

Requests will not be unreasonably denied.

Personal days may be used in minute increments, although requests for leave may be made in day, hour or partial hour amounts.

SECTION 4: Military Leave

- (a) The Employer will grant an authorized absence to an Employee who elects, or is required, to perform service in the uniformed services, to the full extent required by the Uniformed Services Employment and Reemployment Rights Act (USERRA). An individual Employee's service limitations, available benefits, and reemployment rights will be determined in accordance with applicable provisions of this law.
- (b) A full-time Employee called to active duty during the duration of the "National Emergency with Respect to Certain Terrorist Attacks," which started on September 11, 2001, is entitled to receive from the City a supplement to the pay and allowances received from the military. The amount of the supplement is the difference between the Employee's City salary and the salary and allowances paid by the military for the period of active duty. This benefit will terminate upon determination by the Federal Government that the crisis is over and/or the individual is released from active duty.
- (c) An Employee who is a member of an Armed Forces Reserve organization or National Guard will be granted two calendar weeks per year for military leave, with the City paying the difference between the Employee's City salary and the salary and allowances paid by the military. The difference will be paid upon completion of the leave of absence and upon the Employee submitting a claim for the difference along with documentation of pay and allowances received from the military. On rare occasions, due to annual training being scheduled on a federal fiscal year basis, an Employee may be required to attend two (2) periods of training in one (1) calendar year. On this occasion only, an Employee will be granted an additional ten (10) days of military leave during the same year. If such duty is required beyond these ten (10) work days, the Employee will be eligible to take accumulated vacation leave or be placed in a leave without pay status.

SECTION 5: Civil Defense Leave

- (a) No Employee may be discharged by reason of the Employee's participation in civil defense, civil air patrol, volunteer rescue squad, or volunteer fire department activities which are in response to an occurrence declared an emergency by the Governor at the request of the Employer.
- (b) The Employee must submit written proof of their required participation. Employee will not remain in a pay status during the Employee's participation but may request annual leave.

SECTION 6: Bereavement Leave

- (a) Three (3) consecutive working days leave with pay will be granted upon request in the event of a death in an Employee's immediate family. Immediate family, for the purpose of Bereavement Leave, is defined as: father, mother, siblings, spouse, children, domestic partner, step family, father-in-law, mother-in-law, legal guardians, primary care giver (person who served in a role of parent or guardian without legal status), or other dependents, grandparents, grandchildren, aunts and uncles, and nieces and nephews. A qualifying event for bereavement leave also includes miscarriage, still birth, pregnancy loss, and loss incurred due to fertility treatment. In addition to the three (3) consecutive working days of leave with pay, Employees will be afforded two (2) unpaid Bereavement Leave days to be taken consecutively with the three (3) days of paid Bereavement Leave. Employees may choose to use available paid leave during the two (2) unpaid Bereavement Leave days.
- (b) In the event the deceased relative currently lived in the same household as the Employee making the request, the deceased will also be considered to have been a member of the immediate family. Bereavement leave for other relationships may be considered on a case by case basis.
- (c) Employees who require additional time off beyond the stated time may request additional reasonable time off charged to vacation. Such requests will not be unreasonably denied.

SECTION 7: Court Leave

- (a) Any Employee who is required to serve as a juror in court will be allowed the time as needed with pay and without charge to any accrued leave time. Said Employee will be paid their regular salary.
- (b) Any employee subpoenaed by a County, State or Federal court will be allowed time needed with pay and without charge to any leave time. Said Employee will be paid their regular salary. No Employee will be discharged solely because the Employee answered a lawful subpoena.

SECTION 8: Job Injury Leave

(a) Any City Employee who sustains an injury or contracts an occupational disease directly through the performance of their work will be entitled to injury leave. Employees are responsible for informing their supervisor of all job related injuries as soon as possible following the injury. An Employee who utilizes injury leave will receive pay in the amount determined by the Workers' Compensation

Commission and as paid by the Employer's Workers' Compensation Insurance Carrier without charge against the Employee's annual or sick leave account, subject to the following conditions:

- (i) The disability must be compensable under the State Workers' Compensation Act.
- (ii) The disability must be temporary in nature.
- (iii) Payment of injury leave will be contingent upon the assignment of Workers' Compensation Insurance to the Employee for the period of injury leave.
- (iv) An Employee who may be eligible for injury leave will have the first three (3) days of absence from work charged to sick leave. Continuous absence beyond three (3) days will be cause for granting injury leave. Continued absence beyond twenty-eight (28) days will be cause to credit the Employee's sick leave with three (3) days.
- (v) The Employee will be subject to a temporary job-reassignment for the period of the disability without change in pay status, provided the Employee is unable to discharge the duties and responsibilities of their assigned position, and subject to a physician's approval, is able to perform the duties and responsibilities of the position to which they are temporarily reassigned. Refusal to accept job reassignment will terminate the Employee's eligibility to receive injury leave. Should an Employee elect not to accept temporary job reassignment, their employment with the Employer may be terminated, unless the Employee is also on FMLA leave. A temporary job-reassignment is defined as part-time or full-time duties that are consistent with medical advice provided by the attending physician and is limited to the time period specified in the attending physician's statement, which cannot exceed thirty (30) calendar days. The physician must submit an additional medical statement to extend the temporary duty assignment.
- (vi) At the Employer's expense, the Employer may require the Employee to report for a fitness for duty examination by a physician of the Employer's choice in order to determine the Employee's ability for temporary reassignment, or return to their assigned position, or for any other reason.
- (vii) The Employee is responsible for insuring that the Employer is kept aware of any and all changes in the Employee's condition or availability for work. The Employee is responsible for obtaining written documentation from a certified medical authority to verify all absences from work related to the injury or illness. Unless incapacitated, an Employee must update

their supervisor at least on a bi-weekly basis as to their condition. The employee must provide the supervisor with all medical certifications and/or changes pertaining to the ability to return to duty or restrictions to duty and for providing any changes in a prompt manner. Employees may personally deliver, send by e-mail, or may mail written documentation to the supervisor.

- (viii) The granting of injury leave will in no instance exceed six (6) months (except with special approval of the City Council).
- (ix) Annual leave and sick leave earnings and accrual will remain unchanged.
- (x) The Employee is responsible for making timely payments to the Finance Office to cover deductions that are normally withheld from pay for health insurance, retirement, and similar deductions.
- (b) If an Employee has a permanent medical condition that arose from a work related injury or illness as determined by the Workers' Compensation Commission and that prevents the Employee (even with reasonable accommodation) from performing the essential functions of their regular job (including the inability to wear protective equipment), then the worker will be considered for transfer to an available job for which the worker is fully qualified and for which the Employer can make reasonable accommodation to compensate for the Employee's disability, consistent with the requirements of the Americans with Disabilities Act. If a position is vacant and has not been posted, the employee will be considered for transfer to the position before it is posted. The transfer will be made without the Employee losing benefits or seniority. Any adjustment in pay will be made in accordance with the provisions of the City Code regarding a reduction in grade for non-disciplinary reasons.

SECTION 9: Leave of Absence Unpaid

- (a) Employees may be granted leave of absence without pay for a period of up to one (1) year.
- (b) A leave of absence without pay may be granted for education, child rearing, maternity, paternity, family care, or verifiable emergencies that may arise and cannot be managed in any other reasonable manner.
- (c) An Employee wishing to take leave without pay will so request, in writing, to the Employer at least sixty (60) days prior to the anticipated start of such leave. The Employer will respond in writing within thirty (30) days from receipt of the Employee's request.
- (d) Leave of Absence without pay will not be unreasonably denied. If denied, the

reason for denial will be clearly stated in writing by Employer in its response per (c) above.

- (e) Upon return to paid status from an authorized unpaid leave of absence, the Employee's prior service will be credited for the purpose of determining seniority.
- (f) Upon completion of an authorized unpaid leave of absence, the Employee will be returned to the position he held at the time the leave of absence began, provided the position is available. Should the same position not be available, the Employee will be assigned to another position with the Employer for which he is fully qualified. The Employee's rate of pay upon return will be at the same grade and step held at the start of the leave of absence but according to the rate of the authorized scale existing at the time of return. The time of the leave of absence will not count towards determining eligibility for merit step increases.

SECTION 10: Family and Medical Leave

- (a) In accordance with the Family Medical Leave Act of 1993 ("FMLA") the Employer will provide eligible employees who have been employed by the Employer for twelve (12) months with leave pursuant to the provisions of this Section 10.
- (b) An Employee's available paid leave shall run concurrently with any FMLA leave.
- (c) For purposes of determining an employee's leave entitlement under the FMLA, the twelve (12) month period immediately preceding the commencement of leave under the FMLA shall be the applicable measuring period.
- (d) Generally, FMLA leave may be taken for the birth, adoption, or placement in foster care of a child; an Employee's serious health condition; the serious health condition of an immediate family member; for exigent circumstances related to an immediate family member's call to active military service; or to care for an immediate family member who is injured in the line of duty as a service member. Employees should consult Human Resources regarding the specific requirements of FMLA leave entitlement.
- (e) For purposes of this Section 10, "immediate family member" means father, mother, sibling, spouse, child, domestic partner, step child, step parent, father-inlaw, mother-in-law, legal guardian, or any other dependent with a serious health condition.
- (f) At the conclusion of FMLA leave, an Employee is entitled to return to the same position, or to a position with equivalent pay, benefits, and terms and conditions of employment, to the extent provided by the FMLA.

(g) Each Employee on unpaid leave under the FMLA shall remain responsible for paying the Employee share of the premium for coverage elected by the Employee under Article 32 of this Agreement and shall directly submit to the Employer, not later than the Employee's normal payday, the amount of premium owed by the Employee, unless other arrangements are approved by the Employer. If the Employee fails to timely remit premium payments as required, the Employer shall make such payments on behalf of the Employee and, after the Employee's return from such leave, shall deduct (from wages payable to the Employee) two times the amount that would otherwise be deducted pursuant to Article 32 of this Agreement, until the entire amount paid by the Employer on behalf of the Employee has been repaid.

SECTION 11: Voting Time

- (a) Employees will be allowed to take up to two (2) hours off with pay to vote on any day an election for public office is held and on any day a primary to select candidates for elective office is held.
- (b) Voting time is not chargeable to any accrued leave time.
- (c) An Employee must be a registered voter to request voting time.

SECTION 12: Inclement Weather Leave

Each time City offices are closed due to inclement weather, Employees who are not required to report to work or to continue working, will receive normal compensation for the hours they would have worked had City offices remained open. Leave under this Section 7.12 will not be charged to the Employee. Employees who are required to work when City offices are closed due to inclement weather will be compensated in accordance with Article 10 of this Agreement.

SECTION 13: Crossing Guard Leave

Crossing Guards earn leave during the months in which they work at the part-time *pro rata* basis. A Crossing Guard who has accrued more than one hundred (100) hours of vacation leave may elect to use that leave during the months in which the Crossing Guard is not working, provided that the Crossing Guard keeps at least twenty (20) hours of leave available for use during the months in which the Crossing Guard is working.

SECTION 14: Leave Without Pay

- (a) Leave without pay is authorized only as follows:
 - (i) As covered by Section 7.10 (Family Medical Leave) of this Agreement, or

- (ii) As covered by Section 7.4(c) (Military Leave) of this Agreement.
- (iii) At the discretion of the Department Head if the employee has no accrued leave, advanced leave is not appropriate, and no other paid leave is appropriate.
- (b) While in an authorized leave without pay status, the employee is required to contact their supervisor weekly during the employee's absence to keep the supervisor informed of the Employee's progress and expected time of return. At the supervisor's discretion, weekly contact may be waived. If an employee is unable to reach their supervisor directly, the employee will contact their supervisor by voicemail, email or text, as is available and requested by the supervisor.

ARTICLE 8 HOLIDAYS

(a) The term "holiday" as used in this Agreement will refer to the following days:

New Year's Day Martin Luther King's Birthday President Day Veterans Day Friday after Thanksgiving Day before Christmas Independence Day Labor Day Thanksgiving Day Memorial Day Christmas Juneteenth

- (b) If a holiday falls on a Saturday, the preceding Friday will be observed as the holiday. If a holiday falls on a Sunday, the following Monday will be observed as the holiday.
- (c) Employees will be granted time off with pay not charged to any leave time on each observed holiday.
- (d) If a holiday falls on the regular day off of an Employee who has regularly scheduled days off other than Saturday or Sunday, the next scheduled work day of such Employee will be observed as the holiday.
- (e) Employees who are required to work on a designated holiday will be paid their regular hourly rate of pay. In addition, they will be paid one and one-half (1½) times their regular hourly rate of pay for each hour worked and two (2) times their regular rate of pay for all overtime hours worked. In lieu of receiving premium pay as set forth in this paragraph, Employees may choose to be awarded a deferred holiday to be used within 12 months of the holiday on which the Employee worked. A deferred holiday under this section will be paid at the Employee's normal straight time rate of pay and must be taken as a full day. To use a deferred holiday, Employees must submit a Leave Request Form

to their immediate supervisor stating their intent to defer the holiday and, if known, the date on which the Employee intends to use the deferred holiday. If the Employee does not yet know when they will use the deferred holiday, the Employee must, within two (2) business days of the date on which the Employee seeks to use the deferred holiday, submit a Leave Request Form to their immediate supervisor.

- (f) An Employee who is Absent Without Official Leave (AWOL) on the work day before or after the observed holiday will received no holiday pay.
- (g) Crossing Guards: The term "holidays" will include all days that the public schools are closed during the regular school year, including, but not limited to snow days, teachers meeting days, and State holidays.
- (h) Library Staff: Library staff who are required to work hours outside of their normal schedule because the Library is closed due to a designated holiday will be paid one and one-half (1 ½) times their regular hourly rate of pay for each hour worked for all hours worked during those required hours. The premium pay set forth in this section applies only for Library staff and only when such staff are required to work additional hours beyond their normal hours and only for those extra required hours.

ARTICLE 9 HOURS OF WORK

(a) The regular work day, except for Employees in the Communications Dispatcher series, will consist of a shift of eight (8) consecutive hours within a twenty-four (24) hour period. This eight (8) hour shift will include a paid thirty (30) minute lunch break, and two paid ten (10) minute scheduled rest breaks which are not to be taken in conjunction with the lunch period. An additional 15 or 30 minutes (unpaid) may be added to the lunch period and the work day extended accordingly when requested by the Employee or crew and approved by the appropriate Team Leader. Where Public Works crews are involved the lunch period for the entire crew will be the same. A workweek begins at 12:00 am on Sunday and ends at 11:59 pm on Saturday. The normal workweek will consist of five (5) eight (8) hour days, Monday through Saturday, inclusive except in those departments required to work on a twenty-four (24) hour basis. All Employees will be scheduled to work on a regular work shift, and each work shift will have a regular starting and quitting time to be designated by the department head.

Communications Dispatchers are required to work rotating shifts and they will have input to any proposed change in the shift schedule. The Police Department will provide backup for dispatchers so that they may take their lunch and rest breaks as outlined above. Dispatchers will receive two (2) additional ten (10) minute scheduled rest breaks.

(b) When mutually agreeable to the Employer and the Union, innovative work schedules, which may include teleworking, may be negotiated. Such schedules will not result in any

diminution of benefits nor will they be done in an effort to avoid payment of overtime.

- (c) There will be no permanent schedule or shift changes without a minimum of three (3) weeks' notice to the Union President or designee.
- (d) Employees of the Solid Waste division, in residential and public refuse pickup, will work a task work schedule. The term task work will denote the completion of any task, to be the equivalent of eight (8) hours or less. Employees completing their task will be paid for eight (8) hours of work at the appropriate rate. When the task is completed, Employees will be excused from any additional duties and allowed to leave the work site, unless an emergency is declared or the Employees accept other overtime work. "TASK WORK" means the total daily work necessary to accomplish trash and recycling collection throughout the City of Takoma Park and associated equipment cleaning by all Employees assigned to the Solid Waste Division.
 - (i) In cases of snow emergency when Employees cannot perform their tasks, the Employer will assign task Employees to snow removal work. Requests to split hours during snow emergencies will not be unreasonably denied.
 - (ii) The Employer reserves the right to modify the number of routes and their sizes.
 Final determination of route size will be based on averaging weight collected and City-wide coverage. Work in excess of eight (8) hours will be compensated at the rate of one and one-half (1¹/₂) times the normal rate.
 - (iii) Employees experiencing an excused lateness will not suffer any loss in pay, except for the time actually missed from work.
 - (iv) Task Employees reporting late (unexcused) for their shift may be assigned to other duties for the remainder of the day and paid for actual hours worked.
- (e) Library Staff in Bargaining Unit
 - (i) Library staff in the bargaining unit will be paid their normal hourly rate for all hours worked within a forty (40) hour workweek, or within an eight (8) hour work day.
 - (ii) When a substitute is needed for a Library Employee and such substitute work is scheduled as extra work time, such substitute work hours will be offered to Library staff in the bargaining unit before being offered to non-bargaining unit staff or non-pay volunteers. However, substitute non-bargaining unit staff will be guaranteed at least six (6) hours of desk work per month in order to meet minimum training requirements.
 - (iii) The Employer will make every effort to ensure that substitute work scheduled as extra time work is distributed equitably among Employees working within the

same job classification and/or work location who wish to work such time.

- (iv) A list showing a running total of substitute hours worked for each Employee will be posted in the Library every two (2) months. Substitute hours will be offered first to the Employee with the least number of substitute hours, who has indicated availability for substitute hours. If such Employee refuses the hours, then Employee who has indicated availability for substitute hours and who has the next lowest number of substitute hours will be asked, and so forth through the list.
- (v) Employees who are offered substitute hours and refuse them, or who cannot be reached after a reasonable attempt, will be credited, on the list, with having worked the time for the purposes of substitute time equalization only.
- (f) Crossing Guards:
 - (i) The normal work week will consist of up to five (5) four-hour days, Monday through Friday. Hours of work are determined by the opening and closing times of the public schools.
 - (ii) Crossing Guards working during the summer will be paid in the same manner as during the school year.

ARTICLE 10 PREMIUM PAY

SECTION 1: Rate

- (a) Employees will be compensated for overtime work as follows:
 - (i) Employees will be compensated at the rate of one and one-half $(1\frac{1}{2})$ times their regular hourly rate of pay for time they are required to work in excess of their normal work day shift and normal work week.
 - (ii) All Employees will be compensated at the rate of two (2) times their regular pay for the time they are required to work on their 7th consecutive day of work, *i.e.* if an Employee normally works Monday Friday and then works Saturday and Sunday, the hours worked on Sunday would be paid at two (2) times their regular rate of pay; however the following Monday starts the pay cycle over at the normal rate of pay.
 - (iii) All leave with pay will be considered time worked in the computation of overtime.

- (iv) When City offices are closed due to severe weather conditions or a declared emergency situation, Employees who are required by the Employer to work will be paid at the rate of two and one half (2½) times their regular rate of pay for the actual hours that they work during regular office hours while the City offices are closed. This rate of pay will extend up to eight (8) hours. Any contiguous hours worked after eight (8) hours will be compensated at the rate of one and one-half times their regular rate of pay. Employees who are not required to work when City offices are closed pursuant to this subsection (iv), but who do work, will be paid at their regular rate.
- (v) An "Essential Employee" is an Employee who is required to work while all other Employees are allowed to be off. All Public Works employees and all Police communications employees are Essential Employees. The Employer will notify an Employee who is in an Essential Employee position, provide the Union with a list of Essential Employee positions, and notify the Union if changes are made.
- (b) The Employer will make every effort to ensure that overtime work is distributed equitably among the Employees working within the same job class and work location. Work location is defined as the same department and within the Department of Public Works as the same section, *i.e.* Building Maintenance, Mechanic Shop, Sanitation, and Right of Way. Overtime work may be performed by non-bargaining unit personnel in the same job class and work location after being offered to bargaining unit personnel.
 - (i) Overtime lists will be posted at each work site every six (6) months to record all overtime worked in that six (6) month posting period by all bargaining unit Employees at or working out of that site.
 - (ii) When overtime is necessary, it will be offered first to the Employee or Employees starting with the Employee with the least number of overtime hours.
 - (iii) Employees who are offered but refuse overtime will be credited with having worked the time for the purpose of overtime equalization only.
 - (iv) There will be no mandatory overtime unless all bargaining unit Employees qualified to perform the duties of the overtime work refuse to do so. In such a case the most junior Employee or Employees will be assigned the overtime hours.
 - (v) In the event that overtime work is required because of a non-work hour unexpected emergency (*i.e.* a fallen tree, water main break, building break-in, ice patch, police incidents, etc.), the supervisor receiving the call

to respond to the emergency is exempt from the requirement to offer overtime to the Employee with the least number of overtime hours and can call in the Employee best qualified to respond to the emergency in the most efficient manner. This exemption to calling in the Employee with the least number of overtime hours is only intended for unexpected emergencies and does not include snow removal.

- (c) Employees will not be forced to work overtime against their expressed desires as long as full requirements can reasonably be met by other qualified Employees willing to work.
 - (i) Police communication personnel are limited to a sixteen (16) hour workday and must have a minimum of eight (8) hours between shifts.
 - (ii) For festivals and events, employees will be limited to working twelve (12) hours, with a minimum of eight (8) hours between shifts.
 - (iii) CDL drivers will be limited to working twelve (12) hours, with a minimum of eight (8) hours between shifts.
- (d) The Employer agrees not to assign supervisory personnel to perform the work of bargaining unit personnel solely to avoid the payment of overtime to unit members, or to change the schedules of any Employee solely to avoid the payment of overtime.
- (e) Employees will be entitled to an unpaid meal break of thirty (30) minutes during the first two (2) hours of overtime which is consecutive to the end of their regular shift and for each four (4) consecutive hours of overtime worked thereafter.
- (f) An employee may elect to receive compensatory time in lieu of pay at the rate of one and one-half (1-1/2) hours for each overtime hour worked. In cases where double time or a higher rate of overtime applies, that rate will apply to the compensatory time earned. The Employer will approve such an election, subject to the following requirements:
 - (i) Employees may not accrue compensatory time in excess of eighty (80) hours. Overtime worked which would cause a person's compensatory balance to exceed eighty (80) hours shall be paid.
 - (ii) Use of compensatory time will follow the established procedures for use of annual leave. Leave request forms will be used to request and gain approval for use of compensatory time.

(iii) The parties agree that this paragraph will be administered consistent with the requirements of the Fair Labor Standards Act and the City's rules and regulations.

SECTION 2: Meal Allowance

The Employer will provide a fifteen dollar (\$15.00) meal allowance under the following conditions:

- (a) If any employee is called into work with less than eight (8) hours' notice and works at least four (4) hours.
- (b) If an employee is called back to work less than two (2) hours after leaving the work site and works for a period of at least two (2) additional hours.
- (c) If an employee works an additional two (2) hours before or after their regular work day, and the Employer did not provide advance notice of at least 24 hours of the additional hours, the employee will be provided a meal allowance, and for each consecutive eight (8) hours worked thereafter.

SECTION 3: Differentials

- (a) Any employee with a Commercial Drivers License (CDL) and who is not assigned to a position requiring a CDL shall receive an additional three dollars (\$3.00) per hour for actual hours worked when assigned to drive a vehicle which requires a CDL.
- (b) An employee who is classified as a technician shall receive an additional three dollars (\$3.00) per hour for hours actually worked when operating the Tub Grinder.
- (c) Communications Dispatchers will be paid a shift differential of two dollars and fifty cents (\$2.50) per hour for any work performed during the second shift. Building Maintenance Personnel who are required to work the evening shift will be paid a shift differential of two dollars and fifty cents (\$2.50) per hour for hours worked during this shift.

SECTION 4: Multilingual Pay Differentials

(a) Skill Levels: A pay differential will be paid to Employees whose job requires the occasional use of multilingual skills or signing. Affected Employees will be afforded an opportunity to qualify for the multilingual pay differential.

- (b) Basic Skills: Basic skills are defined as those skills primarily required for signing or oral communication and comprehension such as those used in conversation with clients and citizens.
- (c) Advanced Multilingual Skills: Advanced skills are defined as those skills required for the written communication and comprehension in a second language, in addition to skills in oral communication and comprehension.
- (d) Certification: Prior to becoming eligible for the pay differential, the Employee must successfully pass a language certification examination required by and administered through the Employer's Human Resource Office. Testing will consist of a performance examination for those Employees who claim basic multilingual skills. A written examination assessing comprehension/translation skills will also be administered for those Employees claiming advanced skills. This program will not be administered in an arbitrary manner.

The appropriateness of an Employee's language pay differential will be reevaluated, as needed, based on the Employee's use of the language.

(e) Compensation: Compensation is determined by the Employee's certified language skill level. Compensation is paid for all hours actually worked during the pay period. Employees certified at the basic skill level will receive two dollars (\$2.00) per hour for all hours actually worked. Employee's certified at the advance skill level will receive two dollars and twenty-five cents (\$2.25) per hour for all hours actually worked. Employees receiving a multilingual pay differential are expected to assist the City when an employee's language and/or signing skills are requested.

ARTICLE 11 CALL IN TIME/STANDBY STATUS

- (a) All full-time Employees called in to work prior to the start of a shift or after leaving work for the day will be guaranteed a minimum of two (2) hours pay at the overtime rate (1¹/₂) hourly wage.
- (b) Full-time Employees called in to work for a period of time not adjacent to their workday and who work more than two (2) hours will be paid for the time actually worked at the appropriate rate and for the actual travel time.
- (c) An employee put on standby status in writing by a supervisor for three or more consecutive hours that the employee would not normally work will receive \$50.00 standby pay for each day that the employee is on "standby status," as long as the employee is not entitled to compensation under any other provision of this Agreement.

ARTICLE 12 SENIORITY

- (a) Seniority is defined as the length of uninterrupted service with the Employer beginning at the Employee's hire date.
- (b) Service will only be interrupted by a resignation, retirement, or termination for just cause.
- (c) Seniority will continue to accrue during all leaves as specified in this Agreement or any other approved leave.
- (d) The Employer will furnish the Union, on a quarterly basis, a listing by seniority of all Employees in the bargaining unit. Said listing will include Employees' hire date, job title and salary.

ARTICLE 13 LAY OFFS AND RECALL

SECTION 1: Lay-off

- (a) Prior to the layoff of any Employee, all temporary and probationary Employees will first be laid off by classification and department.
- (b) If an Employee is scheduled to be laid off, that Employee may transfer to a position in an equally rated classification, or to a position in a lower rated classification, occupied by a less senior Employee, provided that the Employee is qualified for the position requested. When a senior Employee displaces a junior Employee in a lower classification, the senior Employee's salary will remain the same unless it exceeds the maximum salary of the junior Employee's job classification, in which case it will be reduced to the maximum of the lower classification. A displaced Employee may displace other, less senior, Employees in the same manner.
- (c) The Union will be provided ninety (90) days' notice in advance of any intended layoffs. Employees to be laid off will be provided a thirty (30) day notice prior to layoffs.
- (d) Employees will continue to accrue seniority while on layoff for one (1) year, or at the discretion of the City Manager up to two (2) additional years.

SECTION 2: Recall

(a) If a regular full-time Employee is laid off in a reduction-in-force the Employee's name will be placed on a re-employment list and the Employee will have priority

re-employment rights to any vacant position for which the Employee is qualified for a period of twelve (12) months following the layoff. During the one (1) year period following the date of layoff, no new Employees will be hired to fill a vacant position until all Employees on layoff status who are on record as qualified have been offered re-employment by registered mail, return receipt requested. Re-employment offers will be made in order of seniority. Laid off Employees will be allowed two (2) weeks from receipt of offer to respond and two (2) weeks after response to report back to work. Such notice period may be waived by the written request of an Employee. An Employee who declines such an offer may be struck from the recall list.

(b) Employees to be laid off will, at their discretion, be allowed to cash in all or a part of any accrued vacation time on a one for one basis. Leave time not cashed in will be held by the Employer and credited to the Employee upon their return to work or be paid in cash on a one for one basis if not re-employed after one (1) or two (2) additional years, if the City Manager extends the period.

ARTICLE 14 RECLASSIFICATIONS, PROMOTIONS, TRANSFERS, DEMOTION

- (a) All new and vacant bargaining unit jobs will be posted on Bulletin Boards as per Article 27 for a period of ten (10) working days. The Union President or designee will also be provided a copy of said job posting on the first day of said posting.
- (b) The Employer shall determine, in its discretion, whether to attempt to fill a vacancy in a bargaining unit position through an internal selection process or through an internal/external selection process. Employees may apply for bargaining unit positions that are to be filled through either type of selection process. No person will be hired from outside the Employer's work force unless the outside person is more qualified.
- (c) When more than one (1) Employee has applied for a promotion the most senior Employee who is more highly qualified to perform the job will be given the position. However, when two or more Employees have applied for a promotion, and it is determined that they are equally qualified, the Employee with the most seniority will be given the position.
- (d) Employees will be voluntarily transferred to new or vacant positions as follows:
 - (i) If an Employee desires to transfer to another job, the Employee will submit a letter of interest to the Employer stating the reason for the requested transfer.
 - (ii) If a vacancy exists in the classification for which a transfer has been requested, the Employee requesting the transfer will be transferred provided the Employee is qualified for the vacancy.

- (iii) Where transfers have been requested by more than one Employee to a position for which a vacancy exist, the qualified applicant able to perform the job who has the greatest seniority will be transferred.
- (e) If the Employer reclassifies an Employee's position, the Employer will ensure that the Employee will not experience a reduction in their salary or hours. In the event an Employee's duties and responsibilities increase, the Employee's salary will be increased following procedures outlined in the City Code and this Agreement.
- (f) The Employer may demote a bargaining unit member to a lower paying job for disciplinary reasons or due to inadequate performance, but only after being given written notice of their deficiencies and given a ninety (90) day opportunity to improve.

ARTICLE 15 VISITATION

Officers and Representatives of the Union, (*i.e.*, Union Representatives) including but not limited to Representatives of AFSCME Maryland Council 3 who are not Employees of the Employer will be admitted on the property of the Employer to conduct Union business upon advance notice to the City Manager. However, such visitors will not enter hazardous or restricted areas.

ARTICLE 16 UNIFORMS

- (a) The Employer will supply Employees in the following classifications with complete uniforms: Crossing Guards, Parking Enforcement Officers, Communication Dispatchers, Police Administrative Staff and Public Works Staff other than administrative personnel.
- (b) Civilian uniformed members of the police department will be provided a payment of four hundred eighty (\$480) dollars per year to offset the cost of cleaning and maintaining their uniforms. This payment will be made in two increments of two hundred forty (\$240) dollars each, issued on or before July 31 and January 31.
- (c) School Crossing Guards will be provided a payment of two hundred thirty (\$230) dollars per school year to offset the cost of cleaning and maintaining their uniforms. This payment will be made in one payment to be issued on or before October 15, and will cover the school year from September to June.
- (d) Public Works Employees will be provided eleven (11) uniforms both summer and winter. Cleaning of the uniforms will be the responsibility of the Employer. Employees will also be issued at time of hire: one (1) set of rain gear, one (1) winter jacket, one (1) vest, three (3) pair of regular coveralls and two (2) pair of insulated coveralls. Four hundred fifty

(\$450) dollars per year will be provided to all Public Works Employees for the purpose of purchasing boots and gloves. This payment will be made in two increments of two hundred twenty-five (\$225) dollars each to be issued on or before July 31 and January 31. Items must be purchased according to the Public Works guidelines.

- (e) Employees are responsible for taking reasonable care of issued uniforms. The Employer will replace uniforms that are damaged or worn through normal usage. The Employee is responsible for replacing or paying for the replacement of items which are damaged through neglect (*e.g.*, leaving an item on top of a truck and then driving over the item) or loss. The Employer agrees to establish and implement a tracking system for receiving cleaned uniforms and uniforms to be cleaned by the vendor.
- (f) The parties acknowledge the importance of uniforms. Employees failing to wear established uniforms will be subject to discipline unless otherwise excused by the department head.

ARTICLE 17 SAFETY AND HEALTH

The Employer agrees to comply with occupational safety and health standards and regulations as adopted by the Occupational Safety and Health Administration, U.S. Department of Labor, as well as all Maryland State and local agencies. Employees have a responsibility to cooperate with the Employer in safety training and to comply with established safety procedures.

SECTION 1: Protective Clothing

- (a) It is the Employer's responsibility to train Employees in the correct use of protective clothing and equipment, and it is the Employee's responsibility to cooperate with the Employer in said training and to follow established safety procedures.
- (b) Employees will take reasonable care of Employer furnished protective clothing. The Employer will replace worn and damaged articles as necessary. Employees will replace (or pay for replacement) items lost or damaged through neglect, *i.e.* if an Employee leaves protective equipment on top of a truck and then drives off or over the article. If there are no replacement articles available from the Employer when needed by the Employee, the Employee will be permitted to purchase such replacement articles and be reimbursed by the Employer as long as the request has been approved by the department head.
- (c) The Employer will provide safety glasses, hearing protection, dust masks and reflective safety vests to Employees.
- (d) The parties acknowledge the importance of protective equipment. When an

Employee reports to work without the appropriate issued safety clothing, equipment or appropriate work shoes, he will not be allowed to work until he has the proper clothing and shoes. An Employee will be considered in a leave without pay status until he complies.

SECTION 2: Safe Working Conditions

- (a) The Employer will make good faith efforts to provide safe and healthy working conditions for Employees. Employees will refer any unsafe or unhealthy condition to the Employer and the Union for their joint consideration. It is recognized that the Employer may re-assign any Employee until such conditions are resolved.
- (b) Employees will not be assigned to perform duties in areas which are deemed hazardous without proper training and protective equipment.
- (c) No Employee will be required to perform extensive physical duties or operate mechanical equipment or tools with which they are not familiar until they have received adequate safety training in the performance of the operation.

SECTION 3: Hazardous Work

- (a) Work deemed as hazardous will not be assigned to Employees at any time regardless of past practice.
- (b) Hazardous work will be defined as any work which poses an undue threat to an Employee's health and/or safety.
- (c) Hazardous work definition will include but not be limited to: tree removal during heavy storms; boarding up of buildings deemed structurally unsafe; emergency work performed in flood-like conditions; any work performed under conditions that are more dangerous than normal working conditions, with the exception of snow removal; responding to declared emergencies such as a terrorist incident or other duties included in job descriptions.
- (d) When a situation exists in which an Employee believes, in good faith, that they are being asked to perform a duty which is clearly outside of their job description and which may be considered as hazardous and would clearly endanger their safety or health or that of another person, the Employee will immediately notify their supervisor who will immediately correct the situation or inform the department head who may request the Employer's Risk Manager to conduct an immediate review of the situation. If the Employee is not satisfied with the results of this review, they will immediately advise their Steward and a grievance may be filed. The Union will have the right to pursue the issue at Step Three of the grievance procedure. While the issue is unresolved, the Employee will not be

required to perform the duty or action which is at issue until either the condition is corrected or a determination is rendered pursuant to the grievance procedure set forth in this Agreement. In the event the issue cannot be solved at Step Three of the grievance procedure then binding arbitration relating to health or safety issues will be conducted by a health and safety expert otherwise qualifying as an arbitrator under Article 4, Section 7 of this Agreement.

SECTION 4: Ergonomics

- (a) The Employer agrees to consider ergonomic factors and to comply with OSHA or other regulatory agency established standards with regard to new equipment and processes and as it proceeds to replace equipment or remodel existing work stations.
- (b) During every four (4) hour period in which an Employee spends all their time on a VDT/CRT, the Employee will be given a fifteen (15) minute alternative work assignment or a fifteen (15) minute rest period scheduled to interrupt continuous operation. This rest period is in addition to the rest period established in Article 9 of this Agreement. This rest period is not cumulative, and cannot be used at the beginning or end of a shift, other established rest breaks, or a lunch period.

ARTICLE 18 LABOR MANAGEMENT COMMITTEE

- (a) In order to foster cooperative and collaborative labor relations between the Employer and the Union and to attempt to resolve matters that effect bargaining unit employees, there is hereby established a Labor Management Committee. This Committee shall be comprised of three representatives of the Employer and three representatives of the Union. The Committee shall meet four (4) times per fiscal year to discuss issues of concern to the Employer and the Union. The Employer and the Union shall exchange proposed agenda items one week in advance of each meeting. If a scheduled meeting is canceled, the Employer and the Union will attempt to reschedule the meeting within three (3) weeks of the date of the canceled meeting. Additional meetings may be scheduled by mutual agreement.
- (b) The Labor Management Committee may study and make recommendations related to City policy and procedures.
- (c) The Committee will not be empowered to change the negotiated agreement.
- (d) The Union, after consulting with the appropriate department head, has the right to select, appoint, remove and substitute Labor members of the Labor Management Committee provided there is no more than one representative from a department.

ARTICLE 19 CONTRACTING OUT

- (a) Employees who have completed the probationary period will not be terminated from employment for lack of work as the result of outside contractors or temporary Employees carrying out the duties normally performed by said Employees.
- (b) Overtime and extra time within the same job class and within the same work location will be offered to Union Employees within the same job class and within the same work location before being assigned to outside contractors or temporary Employees.
- (c) Prior to contracting out or supplementing services which would eliminate positions covered by this contract as listed in Article 2, Section 4(b), the Employer agrees to form a committee to discuss alternative solutions for Employees impacted by possible job displacement. The committee will consist of no more than four (4) members with at least two (2) members covered by this Agreement and selected by Local 3399. The committee will make its recommendations to the City Manager within thirty (30) days of the formation of the committee. The recommendations of the committee will not be binding on the City.

ARTICLE 20 PERSONNEL FILES

- (a) The only official personnel file will be the file maintained under the direct supervision of Human Resources. The official personnel file is the only file that is valid for purposes of promotion, discipline and other employment actions.
- (b) By appointment with Human Resources, Employees will be permitted to examine and make copies of their complete personnel file within two (2) working days after a written request has been made to Human Resources.
- (c) CONFIDENTIALITY: Personnel records will be maintained in a secure and confidential manner at all times. Access to an Employee's personnel file will be restricted to those persons required to use the record to conduct official personnel business and payroll processing. Personnel records may be reviewed only by the Employee's immediate supervisor and other persons in the chain of supervision up to and including the City Manager.
- (d) Administrators will endeavor to place in an Employee's file, information of a positive nature indicating competencies, achievements, performances, or contributions of an academic, professional or civic nature. Employees may have this type of information placed in their file by providing a copy to Human Resources.
- (e) Before derogatory information is placed in a file, it must be signed and dated by the

person submitting the information for the file. Also, before derogatory information is placed in the file, the Employee will be given the opportunity to acknowledge that he has reviewed such material by affixing their signature on the actual copy to be filed. Signature by the Employee merely indicates that he has read the material to be filed and does not signify that he agrees with the content.

- (f) Unless a third party is involved, negative or derogatory information, which is no more serious than an admonishment, will be removed as requested by the Employee after two (2) years from the date of the occurrence, provided there has, in that two (2) years, been no reoccurrence of a situation significantly similar to that which gave rise to the initial inclusion of such documents in the Employee's personnel file. Such information will include but not be limited to notices of discipline, letters of counseling and/or admonishment, etc.
- (g) Employees will have the right to respond to any material filed and that response will be attached to the file copy. Furthermore, an Employee will be allowed to review any disputed material pursuant to the grievance and arbitration procedures set forth in this Agreement.
- (h) Employees will have the right to have a Union representative present during their review of their personnel file.
- (i) The Union will have the right to review and/or obtain copies of relevant information from personnel files when, in the Union's opinion, such review is helpful during the course of grievance and/or arbitration investigation, preparation, and representation, when the Union provides the Employer with that Employee's written authorization. Access to the files will be provided within two business days of receipt of the written request by Human Resources.
- (j) A copy of all information that is placed in the personnel file will be sent promptly to that Employee.

ARTICLE 21 DISCIPLINE & DISCHARGE

SECTION 1: Discipline

(a) Discipline is intended to be corrective and not punitive. Employees will be disciplined only for just cause. Disciplinary action may be taken to correct an Employee's inappropriate behavior or as a means of causing improvement in an Employee's performance to an acceptable level. Employees will be progressively disciplined, consisting of the following steps: oral reprimand, written reprimand, probation, suspension, and discharge. An exception will be made to progressive discipline where serious violations of policy and procedure so warrant. The severity of the discipline will be determined after the nature and gravity of the offense, its relationship to the Employee's assigned duties and responsibilities, the Employee's work record, and other relevant factors are considered. Disciplinary action will be taken in a manner designed to avoid embarrassing an Employee before other employees or the public.

- (b) An Employee will receive a written "Notice of Intent to Discipline." This Notice will include a statement of the cause for discipline and findings of any impartial disciplinary investigation. A copy of the Notice will be provided to the Union.
- (c) A "Notice of Intent to Discipline" shall be delivered within thirty (30) calendar days of the date that the Employer knew or reasonably should have known of the Employee's action giving rise to the disciplinary investigation. Nothing in this paragraph shall preclude the Employer from considering action(s) beyond thirty (30) calendar days prior to issuance of a Notice of Intent to Discipline where the actions and/or conduct involve related behavior that may not have by itself given rise to a disciplinary investigation.
- (d) An Employee who receives a "Notice of Intent to Discipline" will be asked to sign an acknowledgement of receipt. If the Employee refuses to acknowledge receipt, an appropriate written statement, signed by a witness may be used to evidence service. If an Employee is not in a duty status, the "Notice of Intent to Discipline" will be sent to the Employee's last known address by certified or registered mail, return receipt requested.
- (e) An Employee may: (i) submit a written response within ten (10) work days from the day of the Employee's receipt of the "Notice of Intent to Discipline," or (ii) request a meeting with the official who has proposed the disciplinary action to provide the Employee's response. After considering the Employee's response, if any, and any additional information obtained, the Employee will determine whether to impose the discipline and notify the Employee and the Union of the decision. If an Employee does not respond to the "Notice of Intent to Discipline" within ten (10) work days of receipt, the disciplinary action will be imposed immediately. An Employee's failure to respond to the Notice of Intent to Discipline does not preclude the Union from grieving the imposed discipline.
- (f) A disciplinary action may be processed through the grievance procedure specified in Article 4 of this Agreement. A "Notice of Intent to Discipline" is not a disciplinary action. Notice of Intent to Discipline cannot be used in any future discipline or evaluation unless discipline was imposed and (if challenged) upheld. Copies of all disciplinary actions will be forwarded to the Union President.
- (g) An Employee who has received a "Notice of Intent to Discipline" and the Employee's Union representative may take a reasonable amount of official time to prepare the Employee's response. The Employee and Union representative will

notify their supervisor(s) and Department Head prior to using official time. Leave requested for this purpose will not be unreasonably denied.

- (h) An Employee may request that a Union representative be present when the Employee is questioned during an investigation that an Employee reasonably believes could lead to discipline being imposed against the Employee. Such a request will not be denied unless honoring the request would cause delay in the administration of the discipline of more than two work days. The Employer may agree to a delay of more than two work days.
- (i) Time frames in this Article may be extended by mutual consent of the Employer and the Union. Any such request shall be reduced to writing and shall not be unreasonably denied.

SECTION 2: Suspensions, Discharges, or Reduction in Pay

- (a) A grievance based upon a suspension, discharge, or reduction in pay will be processed initially at Step Three of the grievance procedure set forth in Article 4, Section 6 of this Agreement.
- (b) An Employee may be placed on leave with pay at the time a "Notice of Intent to Discipline" of suspension or discharge is provided to the Employee, and may continue until discipline is imposed.
- (c) If a grievance regarding an Employee's suspension or discharge is taken to arbitration, and the grievance is upheld, the arbitrator will have the discretionary authority to make an Employee whole or to award a lesser remedy.

ARTICLE 22 OUT OF TITLE WORK

- (a) Employees temporarily shifted to a position in a higher classification will be compensated for the duration of the assignment at the higher classification.
- (b) Employees who are required to perform essential duties of a higher job classification in addition to the duties of their existing position for a period in excess of five (5) consecutive work days will, beginning on the sixth work day, be compensated for the duration of the assignment at that higher classification, retroactive to the first day the employee was assigned to perform the essential duties of the job with the higher classification, which will be documented.
- (c) Temporary transfer or temporary reassignment will be for a period not to exceed ninety (90) work days unless:

- (i) The position is being kept open for an Employee on authorized leave, or
- (ii) Mutually agreed upon by the Employer and the Union; otherwise any position which is filled for more than ninety (90) workdays by temporary transfer or by a temporary reassignment of that position's duties will be considered open and will be posted.
- (d) Police Communication Training Officers will be compensated for training with an increase of two dollars (\$2.00) per hour for the training period and receive one (1) day of annual leave.

ARTICLE 23 CAREER DEVELOPMENT

- (a) The Employer and the Union recognize the need for the development and training of qualified Employees to fulfill the Employer's workforce requirements. The Employer agrees to the principles of Career Paths and promotion from within its own organization. In keeping such principles, the Employer and the Union will establish a Career Development Program. The Labor Management Committee will develop a feasible and affordable Career Paths Program.
- (b) The Employer agrees to support the further education of Employees. Bargaining unit members may be reimbursed, depending upon the availability of funds, for tuition for completed courses of study that would better enable Employees to perform their current jobs and compete for promotional opportunities. Such courses of study will include but not be limited to high school equivalency programs, vocational and trade programs, and college level courses. Request for tuition reimbursements must be approved in advance of attendance and must be processed in accordance with the applicable City regulations. In the event that there is a shortage of funds, the Labor Management Committee will screen such requests.
- (c) The Employer agrees to continue to provide in-house training for Employees, including skills certification on an on-going basis.

ARTICLE 24 POSITION SPECIFICATION/WORK PLANS

(a) On the first day of work a new Employee will receive the position specification for which they have been hired. The position specification sets forth the duties and responsibilities of the position. The Union will receive a copy of the position specification for each bargaining unit position. An Employee is expected to perform the duties and responsibilities outlined in the position specification.

- (b) Within thirty (30) days of hire, of assumption of a new position, or of a reassignment or reclassification that involves changed or additional duties, an Employee's supervisor will provide the Employee with a written work plan developed after consulting with the Employee. The work plan will contain goals and timeframes for the Employee that are position specific, measurable, action oriented, realistic, and time oriented, and provide the criteria necessary for the Employee to be rated as "Meets Requirements" or "Distinguished" in their annual performance evaluation. An Employee will acknowledge receipt of the position specification and work plan by signing them. An Employee will be provided with a copy of their position specification and work plan.
- (c) The failure of an Employee to receive a work plan in a timely manner may be considered when determining an Employee's overall performance rating, and may be considered when qualifying an Employee for a higher performance rating.
- (d) Employees will work substantially in their position specifications. If an Employee believes that their duties or responsibilities have changed and are inconsistent with the duties and responsibilities in the position specification, the Employee may request consideration for reclassification of their position. Such a request shall be submitted by the Employee to Human Resources in writing, and explain the changes in the position that the Employee believes warrant reclassification. The Employee will be notified of the Employer's decision regarding the reclassification request within forty-five (45) days of the Employer's receipt of the request. An Employee's request for reclassification will not result in a demotion for the Employee. If reclassification is considered appropriate, the effective date of the reclassification will be the date of the Employee's request. Supervisors and Department Heads may also request reclassification for employees they supervise by following the process set forth in Article 24(d).
- (e) The Employer will furnish the Union with a copy of an Employee's position specification if it changes. The Employer will furnish the Union with a copy of the Employer's classification system.

ARTICLE 25 PERFORMANCE EVALUATIONS

(a) An Employee will receive an annual performance evaluation, as well as oral and/or written feedback regarding their performance during the year. The annual performance evaluation will be based upon job related criteria, goals and timeframes set forth in an Employee's position specification and work plan created under Article 24 of this Agreement. Performance evaluations will include a written self-evaluation, a written employer evaluation, and a face-to-face meeting between the Employee and the Employee's supervisor, which may be conducted via remote technology. The evaluation will be placed in an Employee's personnel file, along with any response to the evaluation provided by the Employee. An Employee will be provided with a copy of their_annual evaluation.

As part of an Employee's evaluation, supervisors shall provide an opportunity for employees to discuss growth opportunities and to review the Employee's position specification and work plan. Reclassifications will also be considered during the evaluation.

Annual evaluations will be completed by March 1.

(b) If, during the evaluation cycle, an Employee's supervisor determines that the Employee's performance is not meeting the Employer's legitimate expectations, the Employee and the Union will be notified and a Performance Improvement Plan (PIP) will be developed by the supervisor, with assistance from Human Resources if necessary. An Employee will be provided with a copy of their PIP.

A PIP will include: a description of the Employee's performance; the expected performance improvements and the timeline for those expected improvements to be demonstrated; resources, if any, offered by the Employer to assist the Employee; and the anticipated next step (including discipline) if the PIP is not successfully completed.

The PIP will last for up to 90 calendar days, but nothing shall preclude the Employer from discharging an Employee before the conclusion of a PIP period when an Employee's actions so warrant pursuant to Article 21 of this Agreement. If the PIP is issued to an Employee within 90 days of an Employee's scheduled evaluation date, the evaluation date will be temporarily extended until the end of the PIP period. An Employee who successfully completes a PIP after a temporarily extended evaluation date will be compensated at the appropriate rate from the date that the evaluation was originally due.

- (c) If an Employee does not successfully complete a PIP, the Employee will be provided with a final opportunity to meet the Employer's legitimate expectations, which will last no longer than 90 days. If the Employee successfully completes this period in circumstances where there was a temporarily extended evaluation date, any adjustment to compensation will take effect only from the beginning of this period. If the Employee does not successfully complete this period, the Employee may be disciplined, up to and including discharge.
- (d) An Employee will not receive an annual performance evaluation rated below "Meets or Sometimes Exceeds Expectations," unless the Employee has received documented feedback of performance concerns from their supervisor through counseling, mandatory training, or a PIP.
- (e) If an Employee does not receive their annual performance evaluation within thirty (30) days of its due date it will be deemed "late," and the evaluation will default to "Meets or Sometimes Exceeds Expectations" until the evaluation is submitted. If the submitted evaluation is "Below Requirements and Expectations," the Employee will receive a pay

adjustment beginning when the evaluation is submitted. If the Employee is rated "Distinguished," the Employee will receive any pay adjustment due to that rating made retroactively to the original due date of the performance evaluation. For fiscal years 2024, 2025, and 2026 only, the Employer and the Union agree that the previous two sentences do not apply.

- (f) An Employee may challenge a performance evaluation rating below "Meets or Sometimes Exceeds Expectations" through a grievance up to the City Manager. The decision of the City Manager is final.
- (g) Employees may during their performance evaluation share their feedback of their supervisor's performance in their role as supervisor. Employees may also provide their feedback to the Human Resources Director, and the name and position of the employee will not be shared with the supervisor. Employees are encouraged to offer their full opinion and will not be retaliated against for providing honest feedback.
- (h) If the Employer decides to implement changes to the evaluation process for employees that are not addressed specifically by this Agreement, it will give the Union at least thirty (30) days' notice and the opportunity to meet and confer about those changes.
- (i) No pay adjustments will be linked to performance evaluation ratings in fiscal years 2024, 2025, and 2026.

ARTICLE 26 WORK RULES

- (a) The Employer agrees to provide the Union with copies of all departmental rules and regulations and within ten (10) days of the effective date of a new work rule. The Employer agrees to notify the Union of changes regarding departmental rules and regulations that will affect working conditions of Employees covered by this Agreement.
- (b) The Employer agrees to furnish each Employee in the bargaining unit with a copy of all existing written work rules. New Employees will be provided with a copy of the rules at the time of hire.
- (c) Employees will comply with all existing work rules. Existing rules will not be in conflict with the terms of this Agreement. Such rules will be equitably applied and equitably enforced.

ARTICLE 27 NOTICES

The Employer agrees to designate reasonable space labeled with the Union's name on four bulletin boards in the following locations: two in the Municipal Building, (one of which is located in the Police Department), one in the Library Building and one in the Public Works Department. The Union agrees to maintain, update and police their designated space.

ARTICLE 28 NEW EMPLOYEE ORIENTATION

The Employer will provide the Union thirty (30) minutes when orienting a new Employee, or at a mutually agreed upon time between the Union President and the Human Resources Manager, to orient them to the agreement and the Union's programs and benefits. The Union will be informed in advance of new Employees by the Human Resources Manager. Upon hire, new Employees will be informed of the Union's orientation session by the Human Resources Manager.

ARTICLE 29 PROBATIONARY PERIOD

- (a) All newly hired Employees will serve a six (6) month probationary period. At the discretion of the Employer, the probationary period may be extended for an additional ninety (90) days.
- (b) At any time during the probationary period or the extended probationary period, the Employer may remove a new Employee if in the Employer's opinion the Employee is unwilling or unable to perform the duties of the position satisfactorily or that the Employee's habits and lack of dependability do not merit continued employment.
- (c) This article does not apply to current Employees promoted to a higher position, accepting a lateral transfer, or who have accepted a demotion.

ARTICLE 30 WAGES

The Employer and the Union agree that wage adjustments for Employees pursuant to this Article 30, shall be made as follows:

<u>Fiscal Year 2024</u>: Full-time employees will be placed on the Fiscal Year 2024 wage scale grid at the first step where the employee's salary is at least \$3,000 more than the respective employee's salary as of June 30, 2023. Part-time employees will receive a pro-rata adjustment based on the

number of hours they are regularly scheduled to work. The adjustment will be retroactive to July 1, 2023. There will be no wage adjustments or increases based on evaluations for Fiscal Year 2024.

<u>Fiscal Year 2025</u>: The wage scale grid will be adjusted by 3.0% effective July 1, 2024. In addition, all employees will receive a step increase (1.5%) effective July 1, 2024. In addition, employees with seven or more years of continuous employment with the City as of June 30, 2024 will receive an additional step increase (1.5%) effective July 1, 2024. There will be no wage adjustments or increases based on evaluations for Fiscal Year 2025.

<u>Fiscal Year 2026</u>: The wage scale grid will be adjusted by 1.5% effective July 1, 2025. In addition, employees will receive a one-step (1.5%) increase effective July 1, 2025. There will be no wage adjustments or increases based on evaluations for Fiscal Year 2026.

SECTION 1: Wage Scale

- (a) All employees covered by this Agreement shall be paid in accordance with a pay schedule approved by the City Council. The schedule for Fiscal Year 2024 is attached as Exhibit A. Exhibit A will be updated for Fiscal Years 2025 and 2026 pursuant to Article 30.
- (b) Effective Fiscal Year 2019, the adjustment date is July 1 for all Employees.
- (c) Upon promotion, an Employee will be placed in the pay step of the new grade which is at least 6% higher than the Employee's current salary.

SECTION 2: Market Study of Municipalities and Reclassification Study

- (a) The Employer will conduct a market study every three (3) years to determine whether Employee wages are competitive within the market area composed of Annapolis, Rockville, Bowie, Laurel, Greenbelt, Gaithersburg, College Park, and Hyattsville. The results of the study will be used to determine whether changes will be made in the Market Adjustment and/or for changes in wage ranges to be effective in the next fiscal year. Benchmarks to be used in the survey will be shared with the Union prior to the start of the study, and the Union will be provided an opportunity to be involved in discussions with the Employer and contractor during the implementation of the study. The Employer will work in good faith for the market study to be completed by the end of Fiscal Year 2025.
- (b) The Employer will conduct a reclassification study at least every four (4) years. The reclassification study will be used to determine whether Employees are working primarily within their approved job descriptions and will make recommendations for any reclassifications that are needed. For Fiscal Year 2024 only, the Employer will work in good faith for the reclassification study to be completed by August 31, 2024.

- (c) Prior to the start of a study, the Employer will furnish the Union a copy of benchmarks. Any Union comments on the benchmarks will be discussed with the Union and considered by the Employer prior to the start of the study, provided the Union responds to the Employer within thirty (30) days of receiving the Employer's plans.
- (d) A copy of any completed market study or reclassification study will be furnished to the Union for comment before the study is finalized. Any comments will be considered by the Employer and contractor provided the Union response is received within thirty (30) days of the Union's receipt of the study.
- (e) The Union may, at its discretion, conduct its own market study and reclassification study and submit them the Employer for consideration. The Employer will consider the Union study if the market area and the benchmarks are compatible with the Employer's study. In order to receive consideration for implementation, the Union will work in good faith for the reclassification study to be completed by August 31, 2024, and the market study to be completed by the end of Fiscal Year 2025. Nothing in this provision requires the Employer to reopen this Agreement during the term of this Agreement.
- (f) For the duration of this current Agreement only, the Employer and the Union will meet to discuss options for an alternative wage structure for Employees in the Union with the goal of developing recommendations no later than September 1, 2025.

ARTICLE 31 MAINTENANCE OF BENEFITS

All benefits and rights, established in law, regulation, or written rule or policy, as currently provided by the City to bargaining unit members, except as modified by this Agreement, will remain in effect. Such benefits and rights will be put in writing and distributed to all Employees upon hire. The Employer agrees to provide annual orientations for all Employees covering retirement benefits and informing them of the deferred compensation plan that is available to them as a supplement to their retirement benefits.

The Employer agrees to keep the Union informed of any contemplated changes in retirement benefits.

ARTICLE 32 HEALTH CARE BENEFITS

SECTION 1: Health Care Coverage

Group Health coverage will be offered to Employees that is identical to the package of Group Health coverage offered to all of the Employer's employees. This will include a choice of a PPO or an HMO.

The coverage available shall be that set forth in the group insurance contract between the Employer and the carrier providing the insurance, and/or the rules and regulations adopted by the provider of the coverage. The Group Health coverage shall be governed in all aspects in accordance with the contract between the Employer and the carrier providing such insurance, and/or the rules and regulations adopted by the provider of the coverage. Employees who elect to be covered must participate in accordance with such option(s) as may be designated by the Employer.

For a regular full time Employee who selects the base HMO option, the Employer shall pay 100% of the actual annual premium cost for single coverage and 80% of the actual annual premium cost for two persons or family coverage. Part-time Employees will receive a *pro-rata* payment toward the actual premium cost based on the hours that they work. For an Employee who selects the PPO option, the Employer will pay the amount it would pay if the Employee selected the base HMO option.

The Employer and the Union will attempt to ensure that benefits under this Section are not reduced during the term of this Agreement. If, during the term of this Agreement, the Employer contemplates changes in the Group Health Package in effect at such time, the Employer will submit to the Union, in writing at least thirty (30) calendar days prior to their effective date, a description of such changes and, upon request, meet and confer with the Union over such changes.

The Employer will create an informal committee composed of two (2) members each of management, the Union, UFCW Local 400, and non-union employees, to explore health care cost containment methods.

The Employer will make a contribution to an Employee's Deferred Compensation Plan (457 Plan) that is equal to the amount it would pay for an Employee's premium cost if an Employee provides evidence of coverage of health insurance from a source other than the Employer.

SECTION 2: Dental and Vision

The Employer will pay 100% of the actual premium cost of Dental and Vision for single coverage and 80% of the actual premium cost for two persons or family coverage.

ARTICLE 33 LIFE INSURANCE

Life Insurance includes Accidental Death & Dismemberment Coverage. Amount of Benefit - 1 x salary up to \$50,000 max rounded to highest \$1,000.

ARTICLE 34 RETIREMENT BENEFITS

The Employer will match the Employee's contribution to the Deferred Compensation Plan (457 Plan) up to two percent of the Employee's base salary, not to include overtime.

ARTICLE 35 MANAGEMENT RIGHTS

This Agreement will not impair the right and responsibility of the Employer to:

- (a) Determine the over-all budget and mission of the Employer;
- (b) Maintain and improve the efficiency and effectiveness of operations;
- (c) Determine the services to be rendered and operations to be performed;
- (d) Determine the over-all organizational structure, methods, processes, means, job classifications or personnel by which operations are to be conducted and the location of facilities;
- (e) Direct or supervise Employees;
- (f) Hire, select, promote and establish the standards governing promotion of Employees and to classify positions;
- (g) Relieve Employees from duties because of lack of work or funds, or under conditions when the Employer determines continued work would be inefficient or non-productive;
- (h) Issue and enforce rules, policies, and procedures necessary to carry out these and all other managerial functions which are not inconsistent with Federal, State or local law or terms of this collective bargaining agreement;
- (i) Take actions to carry out the mission of government in situations of emergency;
- (j) Transfer, assign and schedule Employees;
- (k) Set the standards of productivity and technology.

ARTICLE 36 NO STRIKE OR LOCK-OUT

The Union and its members, individually and collectively, agree that during the term of this Contract, there will be no strikes, slow-ups, stoppages of work and the City agrees that there will be no liability on the part of the Union providing the Union promptly and publicly disavows such unauthorized strike, orders the Employees to return to work and attempts to bring about a prompt resumption of normal operations, and provided further that the Union notifies the City, in writing within seventy-two (72) hours after the commencement of such strike, what means it is taking to comply with the provision of this article. Under no circumstances will the Employer engage in the labor relations practice commonly known as "lock-out."

ARTICLE 37 SAVINGS CLAUSE

In the event any Article, Section or portion of this Agreement should be held invalid and unenforceable by any Court of competent jurisdiction, such decision will apply only to the specific Article, Section or portion thereof specifically specified in the Court's decision. Upon issuance of such a decision, the Employer and the Union agree to immediately negotiate a substitute for the invalidated Article, Section or portion thereof.

Nothing is intended nor should it be taken to impose upon the International Union, Local Union, or Safety Committee, a legal or financial liability for either the health and safety of Union Employees or for work connected injuries, disabilities, diseases or related losses incurred by Union Employees.

Neither this Agreement nor any portion thereof nullifies any Employee's or Employer rights under local, state, or federal laws.

ARTICLE 38 EMPLOYEE ASSISTANCE PLAN

The Employer will continue to maintain an Employee Assistance Program. It will be the policy of the program to assist, in a strictly confidential manner, Employees who seek assistance for alcoholism, drug abuse, family problems, psychological or other medical problems. This policy recognizes that these are treatable conditions and it is the Employee's responsibility to seek professional assistance.

ARTICLE 39 EMPLOYEE RECOGNITION PROGRAM

The Employer will continue to provide an Employee Recognition Program as developed through the Labor Management Committee. The program recommended by the Labor Management Committee will be presented to the City Manager for consideration.

ARTICLE 40 NEW TECHNOLOGY

"New technology" is to be defined as a change in equipment that may have a significant impact on working conditions, or the way in which work is performed or which may result in the elimination of positions which are within the purview of this Contract.

SECTION 1: Advance Notice of Technological Change

Should the Employer intend to institute any new equipment or methods of operation that may result in a material change in any job presently covered by this Agreement, the Employer will provide the Union written advance notice of at least thirty (30) days before implementing such changes. The written notice will set forth the nature of the intended changes and their probable effect on the jobs and Employees covered by this Agreement.

SECTION 2: Training

If technological changes significantly alter the essential tasks/skills of a job, the Employer agrees to provide a reasonable amount of training for the incumbent of the position to obtain the requisite skills to continue to hold the position. This training will be conducted at the Employer's expense. Any person offered this training will have the right to reject it, wherefore the rejection will discharge the Employer's obligations under this section and the Employee may be reassigned to an existing vacancy for which they are qualified or discharged from employment.

SECTION 3: Job Security

Workers affected by new technology and who are not qualified and cannot be reasonably trained to perform the duties of the revised position will have transfer rights to any vacant position for which they are qualified.

SECTION 4: Safety and Health

The Employer agrees to consider health and safety implications during the implementation of new equipment and processes.

ARTICLE 41 DURATION OF AGREEMENT

This Agreement will become effective on July 1, 2023, and will remain in full force until June 30, 2026. Thereafter, it shall automatically renew itself and continue in full force and effect from year to year unless written notice of election to terminate or modify any provision of this Agreement is given by either party to the other not later than October 1, 2025, or October 1 of any succeeding calendar year.

This Agreement is dependent upon receipt by the Employer of the revenues projected by the Employer as necessary to implement the Agreement. Should projected revenues fall below the levels needed to implement this Agreement, the Employer shall notify the Union in writing of the shortfall in revenues; the City Manager or designee may, after discussion with the City Council, request renegotiation of fiscal terms enumerated in this Agreement.

FOR THE UNION:

FOR THE EMPLOYER:

EXHIBIT A, ARTICLE 30 WAGES Employee Pay Structure

CHART FOR FY 24 ATTACHED

EXHIBIT A

Grade Range Grade Increase Step Increase 60% 5.00% 1.50% FISCAL 2024 Salary Scale

Step Increa	ise 1	.50%															_																
GRADE		в	c	D	F		6	н		ŀ	к		м	N	0	STE	P Q		S	т	U	v	14/	x	V	7	۵۵	ΔB	AC.	۸D	ΔF	45	GRADE
105	A 35.709.34	36,244,98	-	37,340,49	-	F 38 469 10	•	39.631.83	40.226.31	•		42 063 78		N 43.335.16	•	P 44.644.96	-	K 45,994,36	•	47.384.54	48.095.31	•	49.548.99	~	T 51.046.61	∠ 51.812.30	52,589,49	AD 53.378.33	AC 54.179.01	AD 54 991 69	AE 55.816.57	AF 56 653 82	105
106	37,494.81	38,057.23	38,628.09	39,207.51	39,795.62	40,392.56		,	42,237.63	42,871.19		44,166.97	44,829.48		46,184.45	46,877.21	47,580.37	48,294.08	49,018.49	49,753.77	50,500.07	51,257.57	52,026.44	52,806.83	53,598.94	54,402.92	55,218.96	56,047.25	56,887.96	57,741.28	58,607.40	59,486.51	106
107	39,369.55	39,960.09	40,559.49	41,167.89	41,785.41	42,412.19		43,694.09	44,349.51	45,014.75		46,375.32	47,070.95	47,777.01	48,493.67	49,221.07	49,959.39	50,708.78	51,469.41	52,241.45	53,025.08	53,820.45	54,627.76	55,447.17	56,278.88	57,123.07		58,849.61	59,732.35	60,628.34	61,537.76	62,460.83	107
108	41,338.03	41,958.10	42,587.47	43,226.28	43,874.68	44,532.80	.,	45,878.80	46,566.98	47,265.49		48,694.09	49,424.50		50,918.35	51,682.13	52,457.36	53,244.22	54,042.88	54,853.53	55,676.33	56,511.47	57,359.15	58,219.53	59,092.83	59,979.22	60,878.91	61,792.09	62,718.97	63,659.76	64,614.65	65,583.87	108
109 110	43,404.93 45.575.18	44,056.00	44,716.84 46,952.69	45,387.60 47.656.98	46,068.41 48,371.83	46,759.44 49.097.41	47,460.83	48,172.74 50,581.38	48,895.33 51.340.10	49,628.76	50,373.19 52,891,85	51,128.79	51,895.72		53,464.27	54,266.23	55,080.23	55,906.43	56,745.03	57,596.20	58,460.15	59,337.05	60,227.10 63,238.46	61,130.51 64,187.04	62,047.47	62,978.18	63,922.85	64,881.70	65,854.92 69,147.67	66,842.74 70,184.88	67,845.39 71,237.66	68,863.07	109
110	45,575.18	46,258.80 48.571.74	46,952.69	47,050.98	48,371.83	49,097.41	49,833.87	53,110,45	53,907,10	52,110.20 54,715,71	52,891.85	53,685.23 56,369,49	54,490.51 57,215.03	55,307.87 58.073.26	56,137.48 58.944.36	56,979.55 59.828.52	57,834.24 60,725.95	58,701.75 61.636.84	59,582.28 62,561.39	60,476.01 63,499.81	61,383.15 64,452,31	62,303.90 65,419,10	66,400,38	67.396.39	65,149.84 68,407.33	66,127.09 69,433,44	67,119.00 70,474,95	68,125.78 71,532.07	72.605.05	70,184.88	74,799,54	72,306.22	110
112	50,246.63	51,000.33	51,765.34	52,541.82	53,329.94	54,129.89	54,941.84	55,765.97	56,602.46	57,451.49		59,187.97	60,075.78		61,891.58	62,819.95	63,762.25	64,718.68	65,689.46	66,674.80	67,674.93	68,690.05	69,720.40	70,766.21	71,827.70	72,905.12	73,998.69	75,108.67	76,235.30	77,378.83	78,539.51	79,717.61	112
113	52,758.96	53,550.35	54,353.60	55,168.91	55,996.44	56,836.39	57,688.93	58,554.27	59,432.58	60,324.07	61,228.93	62,147.36	63,079.57	64,025.77	64,986.15	65,960.95	66,950.36	67,954.62	68,973.94	70,008.54	71,058.67	72,124.55	73,206.42	74,304.52	75,419.09	76,550.37	77,698.63	78,864.11	80,047.07	81,247.77	82,466.49	83,703.49	113
114	55,396.91	56,227.86	57,071.28	57,927.35	58,796.26	59,678.21	60,573.38	61,481.98	62,404.21	63,340.27	64,290.38	65,254.73	66,233.55	67,227.06	68,235.46	69,258.99	70,297.88	71,352.35	72,422.63	73,508.97	74,611.61	75,730.78	76,866.74	78,019.74	79,190.04	80,377.89	81,583.56	82,807.31	84,049.42	85,310.16	86,589.82	87,888.66	114
115	58,166.76	59,039.26	59,924.85	60,823.72	61,736.07	62,662.12	63,602.05	64,556.08	65,524.42	66,507.29	67,504.90	68,517.47	69,545.23		71,647.24	72,721.94	73,812.77	74,919.96	76,043.76	77,184.42		79,517.32	80,710.08	81,920.73	83,149.54	84,396.78		86,947.68	88,251.89	89,575.67	90,919.31	92,283.10	115
116	61,075.09	61,991.22	62,921.09	63,864.90	64,822.88	65,795.22	66,782.15		68,800.64	69,832.65	70,880.14	71,943.34	73,022.49		75,229.60	76,358.04	77,503.41	78,665.96	79,845.95	81,043.64	82,259.30	83,493.19	84,745.58	86,016.77	87,307.02	88,616.62	89,945.87	91,295.06	92,664.49	94,054.45	95,465.27	96,897.25	116
117 118	64,128.85 67.335.29	65,090.78 68.345.32	66,067.14 69.370.50	67,058.15 70,411.06	68,064.02 71,467.22	69,084.98 72,539.23	70,121.26	71,173.08	72,240.67	73,324.28 76,990.50	74,424.15 78,145.35	75,540.51 79,317,53	76,673.62 80.507.30	77,823.72 81,714,91	78,991.08 82.940.63	80,175.94 84,184.74	81,378.58 85.447.51	82,599.26 86,729.22	83,838.25 88,030,16	85,095.82 89.350.61	86,372.26	87,667.84 92.051.24	88,982.86 93,432.01	90,317.61 94,833,49	91,672.37 96,255.99	93,047.45 97,699,83	94,443.17 99.165.32	95,859.81 100.652.80	97,297.71 102,162.60	98,757.18 103.695.04	100,238.53	101,742.11	117
118	70,702.06	71,762.59	72,839.03	73,931.61	75,040.58	72,539.23		78,468.32	79,645.34	80,840.02	82,052.62	83,283.41	80,507.30 84,532.66		82,940.63	84,184.74	85,447.51 89,719.89	91.065.68	92,431.67	93,818.15	90,690.87 95,225.42	92,051.24	93,432.01 98,103.61	94,833.49 99,575.16	96,255.99		99,165.32 104,123.59	100,652.80	102,162.60	103,695.04	105,250.46	106,829.22	118
120	74,237,16	75,350,72	76,480,98	77.628.19	78,792.61	79,974,50	81,174.12		83,627.61	84.882.02	86,155.25	87.447.58	88,759.30		91,442.05	92,813.68	94,205,88	95.618.97	92,431.67	98,509.05	99,986.69	101,486.49	103,008.79	104,553.92	106,122.23			110,969.72	112.634.26	114.323.78	116.038.63	117,779,21	120
121	77,949.02	79,118.25	80,305.03	81,509.60	82,732.24	83,973.23			87,808.99	89,126.12	90,463.02	91,819.96			96,014.15		98,916.17	100,399.92		103,434.51					111,428.34			116,518.20	118,265.98	120,039.97	121,840.57	123,668.17	121
122	81,846.47	83,074.16	84,320.28	85,585.08	86,868.86	88,171.89	89,494.47	90,836.89	92,199.44	93,582.43	94,986.17	96,410.96	97,857.12	99,324.98	100,814.85	102,327.08	103,861.98	105,419.91	107,001.21	108,606.23	110,235.32	111,888.85	113,567.19	115,270.69	116,999.75	118,754.75	120,536.07	122,344.11	124,179.28	126,041.96	127,932.59	129,851.58	122
123	85,938.79	87,227.87	88,536.29	89,864.33	91,212.30	92,580.48	93,969.19	95,378.73	96,809.41	98,261.55	99,735.47	101,231.51	102,749.98	104,291.23	105,855.60	107,443.43	109,055.08	110,690.91	112,351.27	114,036.54	115,747.09	117,483.30	119,245.55	121,034.23	122,849.74	124,692.49	126,562.88	128,461.32	130,388.24	132,344.06	134,329.22	136,344.16	123
124	90,235.73	91,589.27	92,963.10	94,357.55	95,772.91	97,209.51	98,667.65	100,147.67	101,649.88	103,174.63	104,722.25	106,293.08	107,887.48				114,507.84	116,225.45		119,738.37			125,207.82	127,085.94	128,992.23			134,884.38	136,907.65	138,961.27	141,045.68	143,161.37	124
125	94,747.52	96,168.73	97,611.26	99,075.43	100,561.56	102,069.98										118,456.38		122,036.73				129,525.33			135,441.84			141,628.60		145,909.33	148,097.97	150,319.44	125
126	99,484.89	100,977.17		- 1	105,589.64		108,781.09		112,068.99		115,456.28	117,188.12		.,		124,379.20	126,244.89	128,138.56	130,060.64	132,011.55		136,001.60	138,041.62	., .	142,213.93	1.	146,512.35	148,710.03	150,940.68	153,204.80	155,502.87	157,835.41	126
127 128	104,459.14	106,026.02 111.327.33	107,616.41 112.997.23	109,230.66	110,869.12 116.412.58		114,220.14	115,933.44 121.730.11	117,672.44 123.556.07		121,229.09 127.290.55	123,047.53 129,199,91		126,766.64 133.104.97			132,557.13					142,801.68 149.941.77	144,943.71 152.190.89	,	149,324.63 156.803.66		153,837.97 161.543.05	156,145.54 163.966.20	158,487.72	160,865.03 168 922 07	163,278.01 171.455.91	165,727.18 174 027 74	127
120	115,166.20	116,893.69	1	1	122,233.21	.,		1	129,733.87	.,	1	.,				143,984.47				-1-	1	157,438.85				167,099.86		172,150.45	100,120.00	177,353.70	180.014.01	182.714.22	120
130	120.924.51		124.579.45		128.344.87		132.224.09		136.220.56					146.748.23		151,183.70						165.310.80	167,790,46					180.757.98	183,469,35	186,221,39	189.014.71	191,849,93	130
131	126,970.73	128,875.29	130,808.42	132,770.55	134,762.11	,				,	147,354.72	1	1	.,	.,								176,179.98	.,	1	.,	-1		192,642.81	195,532.46	198,465.44	201,442.42	131
132	133,319.27	135,319.06	137,348.85	139,409.08	141,500.21	143,622.72	145,777.06	147,963.71	150,183.17	152,435.92	154,722.46	157,043.29	159,398.94	161,789.93	164,216.78	166,680.03	169,180.23	171,717.93	174,293.70	176,908.11	179,561.73	182,255.15	184,988.98	187,763.81	190,580.27	193,438.98	196,340.56	199,285.67	202,274.95	205,309.08	208,388.71	211,514.55	132
133	139,985.23	142,085.01	144,216.29	146,379.53	148,575.22	150,803.85	153,065.91	155,361.90	157,692.33	160,057.71	162,458.58	164,895.46	167,368.89	169,879.42	172,427.61	175,014.03	177,639.24	180,303.83	183,008.38	185,753.51	188,539.81	191,367.91	194,238.43	197,152.01	200,109.29	203,110.92	206,157.59	209,249.95	212,388.70	215,574.53	218,808.15	222,090.27	133
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GRADE	A 17 16705	B	C	D	E	F	G	H	I 10 22057	J	K	L	M	N 20 82421	0	P	Q 21 79599	R	S	T	U 22 12274	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	GRADE
OTTAL	17.16795	B 17.42547 18.29675	17.68685	D 17.95216 18.84977	E 18.22144 19.13251	F 18.49476 19.41950	18.77218	19.05377	I 19.33957 20.30655	19.62967	19.92411	L 20.22297 21.23412	20.52632	N 20.83421 21.87592	21.14672		21.78588	R 22.11267 23.21831	22.44436	22.78103	23.12274	23.46958		24.17895	Y 24.54164 25.76872	24.90976	25.28341	25.66266	26.04760	26.43831	26.83489	27.23741	105
OTTAL	~	B 17.42547 18.29675 19.21158	17.68685 18.57120	18.84977	E 18.22144 19.13251 20.08914	F 18.49476 19.41950 20.39047	U		20.30655	19.62967 20.61115	19.92411 20.92032	L 20.22297 21.23412 22.29583		21.87592	U	22.53712	21.78588 22.87518	R 22.11267 23.21831 24.37922	22.44436 23.56658	22.78103 23.92008	•	•	W 23.82163 25.01271 26.26335	24.17895 25.38790	Y 24.54164 25.76872 27.05716	24.90976 26.15525		AD	26.04760 27.34998	AD	AL	A i	OTOTOLE
105 106	17.16795 18.02635	18.29675	17.68685 18.57120 19.49976	18.84977 19.79225	19.13251	19.41950	18.77218 19.71079	19.05377 20.00645	20.30655	19.62967 20.61115	19.92411 20.92032 21.96633	21.23412	20.52632 21.55263		21.14672 22.20406	22.53712 23.66398	21.78588 22.87518	23.21831	22.44436 23.56658 24.74491	22.78103	23.12274 24.27888	23.46958 24.64306	25.01271	24.17895 25.38790	25.76872	24.90976 26.15525	25.28341 26.54758	25.66266 26.94579	26.04760 27.34998	26.43831 27.76023	26.83489 28.17663	27.23741 28.59928	105 106
105 106 107	17.16795 18.02635 18.92767	18.29675 19.21158 20.17216	17.68685 18.57120 19.49976 20.47474	18.84977 19.79225 20.78187	19.13251 20.08914 21.09359	19.41950 20.39047	18.77218 19.71079 20.69633	19.05377 20.00645 21.00678	20.30655 21.32188 22.38797	19.62967 20.61115 21.64171 22.72379	19.92411 20.92032 21.96633 23.06465	21.23412 22.29583	20.52632 21.55263 22.63026	21.87592 22.96972	21.14672 22.20406 23.31426	22.53712 23.66398 24.84718	21.78588 22.87518 24.01894 25.21988	23.21831 24.37922	22.44436 23.56658 24.74491 25.98216	22.78103 23.92008 25.11608	23.12274 24.27888 25.49282	23.46958 24.64306 25.87522 27.16898	25.01271 26.26335 27.57651	24.17895 25.38790 26.65730	25.76872 27.05716	24.90976 26.15525 27.46301 28.83616	25.28341 26.54758 27.87496 29.26871	25.66266 26.94579 28.29308	26.04760 27.34998 28.71748	26.43831 27.76023 29.14824	26.83489 28.17663 29.58546	27.23741 28.59928 30.02925	105 106 107
105 106 107 108 109 110	17.16795 18.02635 18.92767 19.87405 20.86775 21.91114	18.29675 19.21158 20.17216 21.18077 22.23981	17.68685 18.57120 19.49976 20.47474 21.49848 22.57341	18.84977 19.79225 20.78187 21.82096 22.91201	19.13251 20.08914 21.09359 22.14827 23.25569	19.41950 20.39047 21.41000 22.48050 23.60452	18.77218 19.71079 20.69633 21.73115 22.81771 23.95859	19.05377 20.00645 21.00678 22.05712 23.15997 24.31797	20.30655 21.32188 22.38797	19.62967 20.61115 21.64171 22.72379 23.85998 25.05298	19.92411 20.92032 21.96633 23.06465 24.21788 25.42877	21.23412 22.29583 23.41062 24.58115 25.81021	20.52632 21.55263 22.63026 23.76178 24.94987 26.19736	21.87592 22.96972 24.11820 25.32411 26.59032	21.14672 22.20406 23.31426 24.47998	22.53712 23.66398 24.84718 26.08954	21.78588 22.87518 24.01894 25.21988 26.48088 27.80492	23.21831 24.37922 25.59818 26.87809 28.22200	22.44436 23.56658 24.74491 25.98216 27.28126 28.64533	22.78103 23.92008 25.11608 26.37189 27.69048 29.07501	23.12274 24.27888 25.49282 26.76747	23.46958 24.64306 25.87522 27.16898 28.52743 29.95380	25.01271 26.26335 27.57651 28.95534 30.40311	24.17895 25.38790 26.65730 27.99016 29.38967 30.85915	25.76872 27.05716 28.41001 29.83051 31.32204	24.90976 26.15525 27.46301 28.83616 30.27797 31.79187	25.28341 26.54758 27.87496 29.26871 30.73214 32.26875	25.66266 26.94579 28.29308 29.70774	26.04760 27.34998 28.71748 30.15335 31.66102 33.24407	26.43831 27.76023 29.14824 30.60565 32.13593 33.74273	26.83489 28.17663 29.58546 31.06474 32.61797 34.24887	27.23741 28.59928 30.02925 31.53071 33.10724 34.76261	105 106 107 108
105 106 107 108 109 110 111	17.16795 18.02635 18.92767 19.87405 20.86775 21.91114 23.00670	18.29675 19.21158 20.17216 21.18077 22.23981 23.35180	17.68685 18.57120 19.49976 20.47474 21.49848 22.57341 23.70208	18.84977 19.79225 20.78187 21.82096 22.91201 24.05761	19.13251 20.08914 21.09359 22.14827 23.25569 24.41847	19.41950 20.39047 21.41000 22.48050 23.60452 24.78475	18.77218 19.71079 20.69633 21.73115 22.81771 23.95859 25.15652	19.05377 20.00645 21.00678 22.05712 23.15997 24.31797 25.53387	20.30655 21.32188 22.38797 23.50737 24.68274 25.91688	19.62967 20.61115 21.64171 22.72379 23.85998 25.05298 26.30563	19.92411 20.92032 21.96633 23.06465 24.21788 25.42877 26.70021	21.23412 22.29583 23.41062 24.58115 25.81021 27.10072	20.52632 21.55263 22.63026 23.76178 24.94987 26.19736 27.50723	21.87592 22.96972 24.11820 25.32411 26.59032 27.91984	21.14672 22.20406 23.31426 24.47998 25.70398 26.98917 28.33863	22.53712 23.66398 24.84718 26.08954 27.39401 28.76371	21.78588 22.87518 24.01894 25.21988 26.48088 27.80492 29.19517	23.21831 24.37922 25.59818 26.87809 28.22200 29.63310	22.44436 23.56658 24.74491 25.98216 27.28126 28.64533 30.07759	22.78103 23.92008 25.11608 26.37189 27.69048 29.07501 30.52876	23.12274 24.27888 25.49282 26.76747 28.10584 29.51113 30.98669	23.46958 24.64306 25.87522 27.16898 28.52743 29.95380 31.45149	25.01271 26.26335 27.57651 28.95534 30.40311 31.92326	24.17895 25.38790 26.65730 27.99016 29.38967 30.85915 32.40211	25.76872 27.05716 28.41001 29.83051 31.32204 32.88814	24.90976 26.15525 27.46301 28.83616 30.27797 31.79187 33.38146	25.28341 26.54758 27.87496 29.26871 30.73214 32.26875 33.88219	25.66266 26.94579 28.29308 29.70774 31.19312 32.75278 34.39042	26.04760 27.34998 28.71748 30.15335 31.66102 33.24407 34.90627	26.43831 27.76023 29.14824 30.60565 32.13593 33.74273 35.42987	26.83489 28.17663 29.58546 31.06474 32.61797 34.24887 35.96132	27.23741 28.59928 30.02925 31.53071 33.10724 34.76261 36.50074	105 106 107 108 109 110 111
105 106 107 108 109 110 111 112	17.16795 18.02635 18.92767 19.87405 20.86775 21.91114 23.00670 24.15703	18.29675 19.21158 20.17216 21.18077 22.23981 23.35180 24.51939	17.68685 18.57120 19.49976 20.47474 21.49848 22.57341 23.70208 24.88718	18.84977 19.79225 20.78187 21.82096 22.91201 24.05761 25.26049	19.13251 20.08914 21.09359 22.14827 23.25569 24.41847 25.63940	19.41950 20.39047 21.41000 22.48050 23.60452 24.78475 26.02399	18.77218 19.71079 20.69633 21.73115 22.81771 23.95859 25.15652 26.41435	19.05377 20.00645 21.00678 22.05712 23.15997 24.31797 25.53387 26.81056	20.30655 21.32188 22.38797 23.50737 24.68274 25.91688 27.21272	19.62967 20.61115 21.64171 22.72379 23.85998 25.05298 26.30563 27.62091	19.92411 20.92032 21.96633 23.06465 24.21788 25.42877 26.70021 28.03522	21.23412 22.29583 23.41062 24.58115 25.81021 27.10072 28.45575	20.52632 21.55263 22.63026 23.76178 24.94987 26.19736 27.50723 28.88259	21.87592 22.96972 24.11820 25.32411 26.59032 27.91984 29.31583	21.14672 22.20406 23.31426 24.47998 25.70398 26.98917 28.33863 29.75557	22.53712 23.66398 24.84718 26.08954 27.39401 28.76371 30.20190	21.78588 22.87518 24.01894 25.21988 26.48088 27.80492 29.19517 30.65493	23.21831 24.37922 25.59818 26.87809 28.22200 29.63310 31.11475	22.44436 23.56658 24.74491 25.98216 27.28126 28.64533 30.07759 31.58147	22.78103 23.92008 25.11608 26.37189 27.69048 29.07501 30.52876 32.05519	23.12274 24.27888 25.49282 26.76747 28.10584 29.51113 30.98669 32.53602	23.46958 24.64306 25.87522 27.16898 28.52743 29.95380 31.45149 33.02406	25.01271 26.26335 27.57651 28.95534 30.40311 31.92326 33.51942	24.17895 25.38790 26.65730 27.99016 29.38967 30.85915 32.40211 34.02221	25.76872 27.05716 28.41001 29.83051 31.32204 32.88814 34.53255	24.90976 26.15525 27.46301 28.83616 30.27797 31.79187 33.38146 35.05054	25.28341 26.54758 27.87496 29.26871 30.73214 32.26875 33.88219 35.57629	25.66266 26.94579 28.29308 29.70774 31.19312 32.75278 34.39042 36.10994	26.04760 27.34998 28.71748 30.15335 31.66102 33.24407 34.90627 36.65159	26.43831 27.76023 29.14824 30.60565 32.13593 33.74273 35.42987 37.20136	26.83489 28.17663 29.58546 31.06474 32.61797 34.24887 35.96132 37.75938	27.23741 28.59928 30.02925 31.53071 33.10724 34.76261 36.50074 38.32577	105 106 107 108 109 110 111 112
105 106 107 108 109 110 111 112 113	17.16795 18.02635 18.92767 19.87405 20.86775 21.91114 23.00670 24.15703 25.36489	18.29675 19.21158 20.17216 21.18077 22.23981 23.35180 24.51939 25.74536	17.68685 18.57120 19.49976 20.47474 21.49848 22.57341 23.70208 24.88718 26.13154	18.84977 19.79225 20.78187 21.82096 22.91201 24.05761 25.26049 26.52351	19.13251 20.08914 21.09359 22.14827 23.25569 24.41847 25.63940 26.92137	19.41950 20.39047 21.41000 22.48050 23.60452 24.78475 26.02399 27.32519	18.77218 19.71079 20.69633 21.73115 22.81771 23.95859 25.15652 26.41435 27.73506	19.05377 20.00645 21.00678 22.05712 23.15997 24.31797 25.53387 26.81056 28.15109	20.30655 21.32188 22.38797 23.50737 24.68274 25.91688 27.21272 28.57336	19.62967 20.61115 21.64171 22.72379 23.85998 25.05298 26.30563 27.62091 29.00196	19.92411 20.92032 21.96633 23.06465 24.21788 25.42877 26.70021 28.03522 29.43699	21.23412 22.29583 23.41062 24.58115 25.81021 27.10072 28.45575 29.87854	20.52632 21.55263 22.63026 23.76178 24.94987 26.19736 27.50723 28.88259 30.32672	21.87592 22.96972 24.11820 25.32411 26.59032 27.91984 29.31583 30.78162	21.14672 22.20406 23.31426 24.47998 25.70398 26.98917 28.33863 29.75557 31.24334	22.53712 23.66398 24.84718 26.08954 27.39401 28.76371 30.20190 31.71199	21.78588 22.87518 24.01894 25.21988 26.48088 27.80492 29.19517 30.65493 32.18767	23.21831 24.37922 25.59818 26.87809 28.22200 29.63310 31.11475 32.67049	22.44436 23.56658 24.74491 25.98216 27.28126 28.64533 30.07759 31.58147 33.16055	22.78103 23.92008 25.11608 26.37189 27.69048 29.07501 30.52876 32.05519 33.65795	23.12274 24.27888 25.49282 26.76747 28.10584 29.51113 30.98669 32.53602 34.16282	23.46958 24.64306 25.87522 27.16898 28.52743 29.95380 31.45149 33.02406 34.67527	25.01271 26.26335 27.57651 28.95534 30.40311 31.92326 33.51942 35.19539	24.17895 25.38790 26.65730 27.99016 29.38967 30.85915 32.40211 34.02221 35.72333	25.76872 27.05716 28.41001 29.83051 31.32204 32.88814 34.53255 36.25918	24.90976 26.15525 27.46301 28.83616 30.27797 31.79187 33.38146 35.05054 36.80306	25.28341 26.54758 27.87496 29.26871 30.73214 32.26875 33.88219 35.57629 37.35511	25.66266 26.94579 28.29308 29.70774 31.19312 32.75278 34.39042 36.10994 37.91544	26.04760 27.34998 28.71748 30.15335 31.66102 33.24407 34.90627 36.65159 38.48417	26.43831 27.76023 29.14824 30.60565 32.13593 33.74273 35.42987 37.20136 39.06143	26.83489 28.17663 29.58546 31.06474 32.61797 34.24887 35.96132 37.75938 39.64735	27.23741 28.59928 30.02925 31.53071 33.10724 34.76261 36.50074 38.32577 40.24206	105 106 107 108 109 110 111 112 113
105 106 107 108 109 110 111 112	17.16795 18.02635 18.92767 19.87405 20.86775 21.91114 23.00670 24.15703	18.29675 19.21158 20.17216 21.18077 22.23981 23.35180 24.51939	17.68685 18.57120 19.49976 20.47474 21.49848 22.57341 23.70208 24.88718 26.13154 27.43812	18.84977 19.79225 20.78187 21.82096 22.91201 24.05761 25.26049 26.52351 27.84969	19.13251 20.08914 21.09359 22.14827 23.25569 24.41847 25.63940	19.41950 20.39047 21.41000 22.48050 23.60452 24.78475 26.02399	18.77218 19.71079 20.69633 21.73115 22.81771 23.95859 25.15652 26.41435	19.05377 20.00645 21.00678 22.05712 23.15997 24.31797 25.53387 26.81056	20.30655 21.32188 22.38797 23.50737 24.68274 25.91688 27.21272 28.57336 30.00202	19.62967 20.61115 21.64171 22.72379 23.85998 25.05298 26.30563 27.62091 29.00196 30.45205	19.92411 20.92032 21.96633 23.06465 24.21788 25.42877 26.70021 28.03522 29.43699	21.23412 22.29583 23.41062 24.58115 25.81021 27.10072 28.45575	20.52632 21.55263 22.63026 23.76178 24.94987 26.19736 27.50723 28.88259	21.87592 22.96972 24.11820 25.32411 26.59032 27.91984 29.31583	21.14672 22.20406 23.31426 24.47998 25.70398 26.98917 28.33863 29.75557	22.53712 23.66398 24.84718 26.08954 27.39401 28.76371 30.20190 31.71199 33.29759	21.78588 22.87518 24.01894 25.21988 26.48088 27.80492 29.19517 30.65493	23.21831 24.37922 25.59818 26.87809 28.22200 29.63310 31.11475	22.44436 23.56658 24.74491 25.98216 27.28126 28.64533 30.07759 31.58147 33.16055 34.81857	22.78103 23.92008 25.11608 26.37189 27.69048 29.07501 30.52876 32.05519	23.12274 24.27888 25.49282 26.76747 28.10584 29.51113 30.98669 32.53602	23.46958 24.64306 25.87522 27.16898 28.52743 29.95380 31.45149 33.02406	25.01271 26.26335 27.57651 28.95534 30.40311 31.92326 33.51942	24.17895 25.38790 26.65730 27.99016 29.38967 30.85915 32.40211 34.02221	25.76872 27.05716 28.41001 29.83051 31.32204 32.88814 34.53255	24.90976 26.15525 27.46301 28.83616 30.27797 31.79187 33.38146 35.05054	25.28341 26.54758 27.87496 29.26871 30.73214 32.26875 33.88219 35.57629	25.66266 26.94579 28.29308 29.70774 31.19312 32.75278 34.39042 36.10994	26.04760 27.34998 28.71748 30.15335 31.66102 33.24407 34.90627 36.65159	26.43831 27.76023 29.14824 30.60565 32.13593 33.74273 35.42987 37.20136	26.83489 28.17663 29.58546 31.06474 32.61797 34.24887 35.96132 37.75938	27.23741 28.59928 30.02925 31.53071 33.10724 34.76261 36.50074 38.32577	105 106 107 108 109 110 111 112
105 106 107 108 109 110 111 112 113 114	17.16795 18.02635 18.92767 19.87405 20.86775 21.91114 23.00670 24.15703 25.36489 26.63313	18.29675 19.21158 20.17216 21.18077 22.23981 23.35180 24.51939 25.74536 27.03263	17.68665 18.57120 19.49976 20.47474 21.49848 22.57341 23.70208 24.88718 26.13154 27.43812 28.81002	18.84977 19.79225 20.78187 21.82096 22.91201 24.05761 25.26049 26.52351 27.84969	19.13251 20.08914 21.09359 22.14827 23.25569 24.41847 25.63940 26.92137 28.26743	19.41950 20.39047 21.41000 22.48050 23.60452 24.78475 26.02399 27.32519 28.69144	18.77218 19.71079 20.69633 21.73115 22.81771 23.95859 25.15652 26.41435 27.73506 29.12182	19.05377 20.00645 21.00678 22.05712 23.15997 24.31797 25.53387 26.81056 28.15109 29.55864	20.30655 21.32188 22.38797 23.50737 24.68274 25.91688 27.21272 28.57336 30.00202	19.62967 20.61115 21.64171 22.72379 23.85998 25.05298 26.30563 27.62091 29.00196 30.45205	19.92411 20.92032 21.96633 23.06465 24.21788 25.42877 26.70021 28.03522 29.43699 30.90883	21.23412 22.29583 23.41062 24.58115 25.81021 27.10072 28.45575 29.87854 31.37247	20.52632 21.55263 22.63026 23.76178 24.94987 26.19736 27.50723 28.88259 30.32672 31.84305	21.87592 22.96972 24.11820 25.32411 26.59032 27.91984 29.31583 30.78162 32.32070	21.14672 22.20406 23.31426 24.47998 25.70398 26.98917 28.33863 29.75557 31.24334 32.80551	22.53712 23.66398 24.84718 26.08954 27.39401 28.76371 30.20190 31.71199 33.29759 34.96247	21.78588 22.87518 24.01894 25.21988 26.48088 27.80492 29.19517 30.65493 32.18767 33.79706 35.48691	23.21831 24.37922 25.59818 26.87809 28.22200 29.63310 31.11475 32.67049 34.30401	22.44436 23.56658 24.74491 25.98216 27.28126 28.64533 30.07759 31.58147 33.16055 34.81857	22.78103 23.92008 25.11608 26.37189 27.69048 29.07501 30.52876 32.05519 33.65795 35.34085	23.12274 24.27888 25.49282 26.76747 28.10584 29.51113 30.98669 32.53602 34.16282 35.87096	23.46958 24.64306 25.87522 27.16898 28.52743 29.95380 31.45149 33.02406 34.67527 36.40903	25.01271 26.26335 27.57651 28.95534 30.40311 31.92326 33.51942 35.19539 36.95516	24.17895 25.38790 26.65730 27.99016 29.38967 30.85915 32.40211 34.02221 35.72333 37.50949	25.76872 27.05716 28.41001 29.83051 31.32204 32.88814 34.53255 36.25918 38.07213	24.90976 26.15525 27.46301 28.83616 30.27797 31.79187 33.38146 35.05054 36.80306 38.64322	25.28341 26.54758 27.87496 29.26871 30.73214 32.26875 33.88219 35.57629 37.35511 39.22286	25.66266 26.94579 28.29308 29.70774 31.19312 32.75278 34.39042 36.10994 37.91544 39.81121	26.04760 27.34998 28.71748 30.15335 31.66102 33.24407 34.90627 36.65159 38.48417 40.40838	26.43831 27.76023 29.14824 30.60565 32.13593 33.74273 35.42987 37.20136 39.06143 41.01450	26.83489 28.17663 29.58546 31.06474 32.61797 34.24887 35.96132 37.75938 39.64735 41.62972	27.23741 28.59928 30.02925 31.53071 33.10724 34.76261 36.50074 38.32577 40.24206 42.25416	105 106 107 108 109 110 111 112 113 114
105 106 107 108 109 110 111 112 113 114 115	18.02635 18.02635 18.92767 19.87405 20.86775 21.91114 23.00670 24.15703 25.36489 26.63313 27.96479	18.29675 19.21158 20.17216 21.18077 22.23981 23.35180 24.51939 25.74536 27.03263 28.38426 29.80347	17.68685 18.57120 19.49976 20.47474 21.49848 22.57341 23.70208 24.88718 26.13154 27.43812 28.81002 30.25052	18.84977 19.79225 20.78187 21.82096 22.91201 24.05761 25.26049 26.52351 27.84969 29.24217 30.70428	19.13251 20.08914 21.09359 22.14827 23.25569 24.41847 25.63940 26.92137 28.26743 29.68081 31.16485	19.41950 20.39047 21.41000 22.48050 23.60452 24.78475 26.02399 27.32519 28.69144 30.12602	18.77218 19.71079 20.69633 21.73115 22.81771 23.95859 25.15652 26.41435 27.73506 29.12182 30.57791	19.05377 20.00645 21.00678 22.05712 23.15997 24.31797 25.5387 26.81056 28.15109 29.55864 31.03658	20.30655 21.32188 22.38797 23.50737 24.68274 25.91688 27.21272 28.57336 30.00202 31.50212	19.62967 20.61115 21.64171 22.72379 23.85998 25.05298 26.30563 27.62091 29.00196 30.45205 31.97466	19.92411 20.92032 21.96633 23.06465 24.21788 25.42877 26.70021 28.03522 29.43699 30.90883 32.45428 34.07699	21.23412 22.29583 23.41062 24.58115 25.81021 27.10072 28.45575 29.87854 31.37247 32.94109	20.52632 21.55263 22.63026 23.76178 24.94987 26.19736 27.50723 28.88259 30.32672 31.84305 33.43521	21.87592 22.96972 24.11820 25.32411 26.59032 27.91984 29.31583 30.78162 32.32070 33.93674	21.14672 22.20406 23.31426 24.47998 25.70398 26.98917 28.33863 29.75557 31.24334 32.80551 34.44579	22.53712 23.66398 24.84718 26.08954 27.39401 28.76371 30.20190 31.71199 33.29759 34.96247 36.71060	21.78588 22.87518 24.01894 25.21988 26.48088 27.80492 29.19517 30.65493 32.18767 33.79706 35.48691 37.26126	23.21831 24.37922 25.59818 26.87809 28.22200 29.63310 31.11475 32.67049 34.30401 36.01921	22.44436 23.56658 24.74491 25.98216 27.28126 28.64533 30.07759 31.58147 33.16055 34.81857 36.55950	22.78103 23.92008 25.11608 26.37189 27.69048 29.07501 30.52876 32.05519 33.65795 35.34085 37.10789	23.12274 24.27888 25.49282 26.76747 28.10584 29.51113 30.98669 32.53602 34.16282 35.87096 37.66451	23.46958 24.64306 25.87522 27.16898 28.52743 29.95380 31.45149 33.02406 34.67527 36.40903 38.22948	25.01271 26.26335 27.57651 28.95534 30.40311 31.92326 33.51942 35.19539 36.95516 38.80292	24.17895 25.38790 26.65730 27.99016 29.38967 30.85915 32.40211 34.02221 35.7233 37.50949 39.38497	25.76872 27.05716 28.41001 29.83051 31.32204 32.88814 34.53255 36.25918 38.07213 39.97574	24.90976 26.15525 27.46301 28.83616 30.27797 31.79187 33.38146 35.05054 36.80306 38.64322 40.57538	25.28341 26.54758 27.87496 29.26871 30.73214 32.26875 33.88219 35.57629 37.35511 39.22286 41.18401	25.66266 26.94579 28.29308 29.70774 31.19312 32.75278 34.39042 36.10994 37.91544 39.81121 41.80177	26.04760 27.34998 28.71748 30.15335 31.66102 33.24407 34.90627 36.65159 38.48417 40.40838 42.42879 44.55023	26.43831 27.76023 29.14824 30.60565 32.13593 33.74273 35.42987 37.20136 39.06143 41.01450 43.06523	26.83489 28.17663 29.58546 31.06474 32.61797 34.24887 35.96132 37.75938 39.64735 41.62972 43.71120	27.23741 28.59928 30.02925 31.53071 33.10724 34.76261 36.50074 38.32577 40.24206 42.25416 44.36687	105 106 107 108 109 110 111 112 113 114 115
105 106 107 108 109 110 111 112 113 114 115 116 117 118	7. 16795 18.02635 18.92767 19.87405 20.86775 21.91114 23.00670 24.15703 25.36489 26.63313 27.96479 29.36303 30.83118 32.37274	18.29675 19.21158 20.17216 21.18077 22.23981 23.35180 24.51939 25.74536 29.80347 31.29364 32.85833	17.68685 18.57120 19.49976 20.47474 21.49848 22.57341 23.70208 24.88718 26.13154 27.43812 28.81002 30.25052 31.76305 33.35120	18.84977 19.79225 20.78187 21.82096 22.91201 24.05761 25.26049 26.52351 27.84969 29.24217 30.70428 32.23950 33.85147	19.13251 20.08914 21.09359 22.14827 23.25569 24.41847 25.63940 26.92137 29.66081 31.16485 32.72309 34.35924	19.41950 20.39047 21.41000 23.60452 23.60452 24.78475 26.02399 27.32519 28.69144 30.12602 31.63232 33.21393 34.87463	18.77218 19.71079 20.69633 21.73115 22.81771 23.95859 25.15652 26.41435 27.73506 29.12182 30.57791 32.10680 33.71214 35.39775	19.05377 20.00645 21.00678 22.05712 23.15997 24.31797 25.53387 26.81056 28.15109 29.55864 31.03658 32.58840 31.03658 33.592872	20.30655 21.32188 22.38797 23.50737 24.68274 25.91688 27.21272 28.57336 30.00202 31.50212 33.07723 33.07723 34.73109 36.46765	19.62967 20.61115 21.64171 22.72379 23.85998 25.05298 26.30563 27.62091 29.00196 30.45205 31.97466 33.57339 35.25206 37.01466	19.92411 20.92032 21.96633 23.06465 24.21788 25.42877 28.70021 28.03522 29.43699 30.90883 32.45428 34.07699 35.78084 37.56988	21.23412 22.29583 23.41062 24.58115 25.81021 27.10072 28.45575 29.87854 31.37247 32.94109 34.58815 38.13343	20.52632 21.55263 22.63026 23.76178 24.94987 26.19736 27.50723 28.88259 30.32672 31.84305 33.43521 35.10697 36.86232 38.70543	21.87592 22.96972 24.11820 25.32411 26.59032 27.91984 29.31583 30.78162 32.32070 33.93674 35.63357 37.41525 39.28601	21.14672 22.20406 23.31426 24.47998 25.70398 26.98917 28.33863 29.75557 31.24334 32.80551 34.44579 36.16808 37.97648 39.87530	22.53712 23.66398 24.84718 26.08954 27.39401 28.76371 30.20190 31.71199 33.29759 34.96247 36.71060 38.54613 40.47343	21.78588 22.87518 24.01894 25.21988 26.48088 27.80492 29.19517 30.65493 32.18767 33.79706 35.48691 37.26126 39.12432 41.08053	23.21831 24.37922 25.59818 26.87809 28.22200 29.63310 31.11475 32.67049 34.30401 36.01921 37.82017 39.71118 41.69674	22.44436 23.56658 24.74491 25.98216 27.28126 28.64533 30.07759 31.58147 33.16055 34.81857 36.55950 38.38748 40.30685 42.32219	22.78103 23.92008 25.11608 26.37189 27.69048 29.07501 30.52876 32.05519 33.65795 35.34085 37.10789 38.96329 40.91145 42.95703	23.12274 24.27888 25.49282 26.76747 28.10584 29.51113 30.98669 32.53602 34.16282 35.87096 37.66451 39.54774 41.52513 43.60138	23.46958 24.64306 25.87522 27.16898 28.52743 29.95380 31.45149 33.02406 34.67527 36.40903 38.22948 40.14095 42.14800 44.25540	25.01271 26.26335 27.57651 28.95534 30.40311 31.92326 33.51942 35.19539 36.95516 38.80292 40.74307 42.78022 44.91923	24.17895 25.38790 26.65730 27.99016 29.38967 30.85915 32.40211 34.02221 35.7233 37.50949 39.38497 41.35421 43.42193	25.76872 27.05716 28.41001 29.83051 31.32204 32.88814 34.53255 36.25918 38.07213 39.97574 41.97453 44.07325 46.27692	24.90976 26.15525 27.46301 28.83616 30.27797 31.79187 33.38146 35.05054 36.80306 38.64322 40.57538 42.60415 44.73435	25.28341 26.54758 27.87496 29.26871 30.73214 32.26875 33.88219 35.57629 37.35511 39.22286 41.18401 43.24321 45.40537 47.67564	25.66266 26.94579 28.29308 29.70774 31.19312 32.75278 34.39042 36.10994 37.91544 39.81121 41.80177 43.89186 46.08645 48.39077	26.04760 27.34998 28.71748 30.15335 31.66102 33.24407 36.65159 38.48417 40.40838 42.42879 44.55023 46.77775 49.11663	26.43831 27.76023 29.14824 30.60565 32.13593 33.74273 35.42987 37.20136 39.06143 41.01450 43.06523 45.21849 47.47941 49.85338	26.83489 28.17663 29.58546 31.06474 32.61797 34.24887 35.96132 37.75938 39.64735 41.62972 43.71120 45.89676 48.19160 50.60118	27.23741 28.59928 30.02925 31.53071 33.10724 34.76261 36.50074 38.32577 40.24206 42.25416 44.36887 46.58522 48.91448 51.36020	105 106 107 108 109 110 111 112 113 114 115 116 117 118
105 106 107 108 109 110 111 112 113 114 115 116 117 118 119	T. 16795 18.02635 18.92767 19.87405 20.86775 21.91114 23.00670 24.15703 25.36489 26.63313 27.96479 29.36303 30.83118 32.37274 33.99137	18.29675 19.21158 20.17216 21.18077 22.23981 23.35180 24.51939 25.74536 27.03263 28.38426 29.80347 31.29364 32.85833 34.50124	17.68685 18.57120 19.49976 20.47474 21.49848 22.57341 23.70208 24.88718 26.13154 27.43812 28.81002 30.25052 31.76305 33.35120 35.01876	18.84977 19.79225 20.78187 21.82096 22.91201 24.05761 25.26049 26.52351 27.84969 29.24217 30.70428 32.23950 33.85147 35.54404	19.13251 20.08914 21.09359 22.14827 23.25569 24.41847 25.63940 26.92137 28.26743 29.68081 31.16485 32.72309 34.35924 36.07720	19.41950 20.39047 21.41000 22.48050 23.60452 24.78475 26.02399 27.32519 28.69144 30.12602 31.63232 33.21393 34.87463 36.61836	18.77218 19.71079 20.69633 21.73115 22.81771 23.95859 25.15652 26.41435 27.73506 29.12182 30.57791 32.10680 33.71214 35.39775 37.16764	19.05377 20.00645 21.00678 22.05712 23.15997 24.31797 25.53387 26.81056 28.15109 29.55864 31.03658 32.58840 34.21783 35.92872 37.72515	20.30655 21.32188 22.38797 23.50737 24.68274 25.91688 27.21272 28.5736 30.00202 31.50212 33.07723 34.73109 36.46765 38.29103	19.62967 20.61115 21.64171 22.72379 23.85998 25.05298 26.30563 27.62091 29.00196 30.45205 31.97466 33.57339 35.25206 37.01466 38.86539	19.92411 20.92032 21.96633 23.06465 24.21788 25.42877 26.70021 28.03522 29.43699 30.90883 32.45428 34.07699 35.78084 37.56988 39.44838	21.23412 22.29583 23.41062 24.58115 25.81021 27.10072 28.45575 29.87854 31.37247 32.94109 34.58815 36.31755 36.31755 38.13343 40.04010	20.52632 21.55263 22.63026 23.76178 24.94987 26.19736 27.50723 28.88259 30.32672 31.84305 33.43521 35.10697 36.86232 38.70543 40.64070	21.87592 22.96972 24.11820 25.32411 26.59032 27.91984 29.31583 30.78162 32.32070 33.93674 35.63357 37.41525 39.28601 41.25031	21.14672 22.20406 23.31426 24.47998 25.70398 26.98917 28.33863 29.75557 31.24334 32.80551 34.44579 36.16808 37.97648 39.87530 41.86907	22.53712 23.66398 24.84718 26.08954 27.39401 28.76371 30.20190 31.71199 33.29759 34.96247 36.71060 38.54613 40.47343 42.49710	21.78588 22.87518 24.01894 25.21988 26.48088 27.80492 29.19517 30.65493 32.18767 33.79706 35.48691 37.26126 39.12432 41.08053 43.13456	23.21831 24.37922 25.59818 26.87809 28.22200 29.63310 31.11475 32.67049 34.30401 36.01921 37.82017 39.71118 41.69674 43.78158	22.44436 23.56658 24.74491 25.98216 27.28126 28.64533 30.07759 31.58147 33.16055 34.81857 36.55950 38.38748 40.30685 42.32219	22.78103 23.92008 25.11608 26.37189 27.69048 29.07501 30.52876 32.05519 33.65795 35.34085 37.10789 38.96329 40.91145 42.95703	23.12274 24.27888 25.49282 26.76747 28.10584 29.51113 30.98669 32.53602 34.16282 35.87096 37.66451 39.54774 41.52513 43.60138 45.78145	23.46958 24.64306 25.87522 27.16898 28.52743 29.95380 31.45149 33.02406 34.67527 36.40903 38.22948 40.14095 42.14800 44.25540 46.46817	25.01271 26.26335 27.57651 28.95534 30.40311 31.92326 33.51942 35.19539 36.95516 38.80292 40.74307 42.78022 44.91923 47.16520	24.17895 25.38790 26.65730 27.99016 29.38967 30.85915 32.40211 35.72333 37.50949 39.38497 41.35421 43.42193 45.59302 47.87267	25.76872 27.05716 28.41001 29.83051 31.32204 32.88814 34.53255 36.25918 38.07213 39.97574 41.97453 44.07325 46.27692 48.59076	24.90976 26.15525 27.46301 28.83616 30.27797 31.79187 33.38146 35.05054 38.64322 40.57538 42.60415 44.73435 42.9017 49.31962	25.28341 26.54758 27.87496 29.28871 30.73214 32.26875 33.88219 35.57629 37.35511 39.22286 41.18401 43.24321 45.40537 47.67564 50.05942	25.66266 26.94579 28.29308 29.70774 31.19312 32.75278 34.39042 36.10994 37.91544 39.81121 41.80177 43.89186 46.08645 48.39077 50.81031	26.04760 27.34998 28.71748 30.15335 31.66102 33.24407 34.90627 36.65159 38.48417 40.40838 42.42879 44.55023 46.77775 49.11663 51.57246	26.43831 27.76023 29.14824 30.60565 32.13593 33.74273 35.42987 37.20136 39.06143 41.01450 43.06523 45.21849 47.47941 49.85338 52.34605	26.83489 28.17663 29.58546 31.06474 32.61797 34.24887 35.96132 37.75938 39.64735 41.62972 43.71120 45.89676 48.19160 55.60118 53.13124	27.23741 28.59928 30.02925 31.53071 33.10724 34.76261 36.50074 38.32577 40.24206 40.24206 40.24206 40.24206 44.36687 44.36687 44.36687 48.91448 51.36020 53.92821	105 106 107 108 109 110 111 112 113 114 115 116 117 118 119
105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120	17.16795 18.02635 18.92767 19.87405 20.86775 21.91114 23.00670 24.15703 25.36489 26.63313 27.96479 29.36303 30.83118 32.32724 33.99137 35.69094	18.29675 19.21158 20.17216 21.18077 22.23981 23.35180 24.51939 25.74536 27.03263 28.38426 29.80347 31.29364 32.85833 34.50124 36.22631	17.68685 18.57120 19.49976 20.47474 21.49848 22.57341 23.70208 24.88718 26.13154 27.43812 28.81002 30.25052 31.76305 33.35120 35.01876 36.76970	18.84977 19.79225 20.78187 21.82096 22.91201 24.05761 25.26049 29.24217 30.70428 32.23950 33.85147 35.54404 37.32125	19.13251 20.08914 21.09359 22.14827 23.25569 24.41847 25.63940 26.92137 28.26743 29.68081 31.16485 32.72309 34.35924 36.07720 37.88106	19.41950 20.39047 21.41000 22.48050 23.60452 24.78475 26.02399 27.32519 28.69144 30.12602 31.63232 33.21393 34.87463 36.61836 38.44928	18.77218 19.71079 20.69633 21.73115 22.81771 23.95859 25.15652 26.41435 27.73506 29.12182 30.57791 32.10680 33.71214 33.39775 37.16764 39.02602	19.05377 20.00645 21.00678 22.05712 23.15997 24.31797 26.31056 28.15109 29.55864 31.03658 32.58840 34.21783 35.92872 37.72515 39.61141	20.30655 21.32188 22.38797 23.50737 24.68274 25.91688 27.21272 28.57336 30.00202 31.50212 33.07723 34.73109 36.46765 38.29103 40.20558	19.62967 20.61115 21.64171 22.72379 23.85998 25.05298 26.30563 27.62091 29.00196 30.45205 31.97466 33.57339 35.25206 37.01466 38.86539 40.80866	19.92411 20.92032 21.96633 23.06465 24.21788 25.42877 26.70021 28.03522 29.43699 30.90883 32.45428 34.07699 35.78084 35.78084 33.64838 44.42079	21.23412 22.29833 23.41062 24.58115 25.81021 27.10072 28.45575 29.87854 31.37247 32.94109 34.58815 36.31755 38.13343 40.04010 42.04211	20.52832 21.55263 22.63026 23.76178 24.94987 26.19736 27.50723 28.88259 30.32672 31.84305 33.43521 35.10697 36.86232 38.70543 40.64070 42.67274	21.87592 22.96972 24.11820 25.32411 26.59032 27.91984 29.31583 30.78162 33.93674 35.63357 37.41525 39.28601 41.25031 43.31283	21.14672 22.20406 23.31426 24.47998 25.70398 28.98917 28.33863 29.75557 31.24334 32.80551 34.44579 36.16808 37.97648 39.87530 41.86907 43.96252	22.53712 23.66398 24.84718 26.08954 27.39401 28.76371 30.20190 31.71199 33.29759 34.96247 36.71060 38.54613 40.47343 42.49710 44.62196	21.78588 22.87518 24.01894 25.21988 26.48088 27.80492 29.19517 30.65493 32.18767 33.79706 35.48691 37.26126 39.12432 41.08053 43.13456	23.21831 24.37922 25.59818 26.87809 28.22200 29.63310 31.11475 32.67049 34.30401 36.01921 37.82017 39.71118 41.69674 43.78158 45.97066	22.44436 23.56658 24.74491 25.98216 27.28126 28.64533 30.07759 31.58147 33.16055 34.81857 36.55950 38.38748 40.30685 42.32219 44.43830 46.66022	22.78103 23.92008 25.11608 26.37189 27.69048 29.07501 30.52876 32.05519 33.65795 35.34085 37.10789 38.96329 40.91145 42.95703 45.10488 47.36012	23.12274 24.27888 25.49282 26.76747 28.10584 29.51113 30.98669 32.53602 34.16282 35.87096 37.66451 39.54774 41.52513 43.60138 45.78145 48.07052	23.46958 24.64306 25.87522 27.16898 28.52743 29.95380 31.45149 33.02406 34.67527 36.40903 38.22948 40.14095 42.14800 44.25540 44.64817 48.79158	25.01271 26.26335 27.57651 28.95534 30.40311 31.92326 35.19539 36.95516 38.80292 40.74307 42.78022 44.91923 47.16520 49.52345	24.17895 25.38790 26.65730 27.99016 29.38967 30.85915 32.40211 34.02221 35.72333 37.50949 39.38497 41.35421 41.35421 41.35421 43.42193 45.59302 47.87267 50.26631	25.76872 27.05716 28.41001 29.83051 31.32204 32.88814 34.53255 36.25918 38.07213 39.97574 41.97453 44.07325 46.27692 46.59076 51.02030	24.90976 26.15525 27.46301 28.83616 30.27797 31.79187 33.38146 35.05054 36.80306 38.64322 40.57538 42.60415 44.73435 44.73435 44.97107 49.31962 51.78561	25.28341 26.54758 27.87496 29.26871 30.73214 32.26875 33.88219 35.57629 37.35511 39.22286 41.18401 43.24321 45.40537 47.67564 50.05942 52.56239	25.66266 26.94579 28.29308 29.70774 31.19312 32.75278 34.39042 36.10994 37.91544 39.81121 41.80177 43.89186 46.08645 48.39077 50.81031 53.35083	26.04760 27.34998 28.71748 30.15335 31.66102 33.24407 34.90627 36.65159 38.48417 40.40838 42.42879 44.55023 46.77775 49.11663 51.57246 55.415109	26.43831 27.76023 29.14824 30.60565 32.13593 33.74273 35.42987 37.20136 39.06143 41.01450 43.06523 45.21849 45.21849 45.21849 52.34605 54.96335	26.83489 28.17663 29.58546 31.06474 32.61797 34.24887 35.96132 37.75938 39.64735 41.62972 43.71120 45.89676 48.19160 50.60118 55.13124 55.78780	27.23741 28.59928 30.02925 31.53071 33.10724 34.76261 36.50074 38.32577 40.24206 42.25416 44.36687 46.58522 48.91448 51.36020 53.92821 56.62462	105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120
105 106 107 108 109 110 111 112 113 114 115 116 116 117 118 119 120 121	17.16795 18.02635 18.92767 19.87405 20.86775 21.91114 23.00670 24.15703 25.36489 26.63313 27.96479 29.36303 30.83118 32.37274 33.99137 35.69094 37.47549	18.29675 19.21158 20.17216 21.18077 22.23981 23.35180 24.51939 25.74536 27.03263 28.38426 29.80347 31.29364 32.85833 34.50124 36.22631 38.03762	17.68685 18.57120 19.49976 20.47474 21.49848 22.57341 23.70208 24.88718 26.13154 27.43812 28.81002 30.25052 31.76305 33.35120 33.01876 36.76970 38.60819	18.84977 19.79225 20.78187 21.82096 22.91201 25.26049 26.52351 27.84969 29.24217 30.70428 32.23950 33.85147 35.54404 37.32125 39.18731	19.13251 20.08914 21.09359 22.14827 23.25569 24.41847 25.63940 26.92137 28.26743 29.68081 31.16485 32.72309 34.35924 36.07720 37.88106 39.77512	19.41950 20.39047 21.41000 22.48050 23.60452 24.78475 26.02399 27.32519 28.69144 30.12602 31.63232 33.21393 34.87463 36.61836 38.44928 40.37174	18.77218 19.71079 20.69633 21.73115 22.81771 23.95859 25.15652 26.41435 29.12182 30.57791 32.10680 33.71214 35.39775 37.16764 39.02602 40.97732	19.05377 20.00645 21.00678 22.05712 23.15997 24.31797 25.53387 26.81056 28.15109 29.55864 31.03658 32.58840 34.21783 35.92872 37.72515 39.61141 41.59198	20.30655 21.32188 22.38797 23.50737 24.68274 25.91688 27.21272 28.57336 30.00202 31.50212 33.07723 34.73109 36.46765 38.29103 40.20558 42.21586	19.62967 20.61115 21.64171 22.72379 23.85998 25.05298 26.30563 27.62091 29.00196 30.45205 31.97466 33.57339 35.25206 37.01466 38.86539 40.80866	19.92411 20.92032 21.96633 23.06465 24.21788 25.42877 26.70021 28.03522 29.43699 30.90883 32.45428 34.07699 35.78084 37.56988 39.44838 41.42079 43.49183	21.23412 22.29583 23.41062 24.58115 25.81021 27.10072 28.45575 29.87654 31.37247 32.94109 34.58815 36.31755 38.13343 40.04010 42.04211 44.14421	20.52632 21.55263 22.63026 23.76178 24.94987 26.19736 27.50723 28.88259 30.32672 31.84305 33.43521 35.10697 36.86232 38.70543 40.64070 42.67274	21.87592 22.96972 24.11820 25.32411 26.59032 27.91984 29.31583 30.78162 32.32070 33.93674 35.63357 37.41525 39.28601 41.25031 43.31283 45.47847	21.14672 22.20406 23.31426 24.47998 25.70398 26.98917 28.33863 29.75557 31.24334 32.80551 34.44579 36.16808 37.97648 39.87530 41.86907 43.96252	22.53712 23.66398 24.84718 26.08954 27.39401 28.76371 30.20190 31.71199 33.29759 34.96247 36.71060 38.54613 40.47343 42.49710 44.62196	21.78588 22.87518 24.01894 25.21988 26.48088 27.80492 29.19517 30.65493 32.18767 33.79706 35.48691 37.26126 39.12432 41.08053 43.13456 45.29129	23.21831 24.37922 25.59818 26.87809 28.22200 29.63310 31.11475 32.67049 34.30401 36.01921 37.82017 39.71118 41.69674 43.78158 45.97066 48.26919	22.44436 23.56658 24.74491 25.98216 27.28126 28.64533 30.07759 31.58147 33.16055 34.81857 36.55950 38.38748 40.30685 42.32219 44.43830 46.66022	22.78103 23.92008 25.11608 26.37189 27.69048 29.07501 30.52876 33.05519 33.65795 35.34085 37.10789 38.96329 40.91145 42.95703 45.10488 47.36012	23.12274 24.27888 25.49282 26.76747 28.10584 29.51113 30.98669 32.53602 34.16282 35.87096 37.66451 39.54774 41.52513 43.60138 45.78145 48.07052	23.46958 24.64306 25.87522 27.16988 28.52743 29.95380 31.45149 33.02406 34.67527 36.40903 38.22948 40.14095 42.14800 44.25540 44.6817 48.79158 51.23116	25.01271 26.26335 27.57651 28.95534 30.40311 31.92326 33.51942 35.19539 36.95516 38.80292 40.74307 42.78022 44.91923 47.16520 49.52345 51.99963	24.17895 25.38790 26.65730 27.99016 29.38967 30.85915 32.40211 34.02221 35.72333 37.50949 39.38497 41.35421 43.42193 45.59302 47.87267 50.26631 52.77962	25.76872 27.05716 28.41001 29.83051 31.32204 32.88814 34.53255 36.25918 38.07213 39.97574 41.97453 44.07325 46.27692 48.59076 51.02030 53.57132	24.90976 26.15525 27.46301 28.83616 30.27797 31.79187 33.38146 35.05054 38.64322 40.57538 42.60415 44.73435 46.97107 49.31962 51.78561	25.28341 26.54758 27.87496 29.26871 30.73214 32.26875 33.88219 35.57629 37.35511 39.22286 41.18401 43.24321 45.40537 47.67564 50.05942 52.56239 55.19051	25.66266 26.94579 28.29308 29.70774 31.19312 32.75278 34.39042 36.10994 37.91544 39.81121 41.80177 43.89186 46.08645 48.39077 50.81031 53.35083 56.01837	26.04760 27.34998 28.71748 30.15335 31.66102 33.24407 36.65159 38.48417 40.40838 42.42879 44.55023 46.77775 49.11663 51.57246 54.15109 56.85864	26.43831 27.76023 29.14824 30.60565 32.13593 33.74273 35.42987 37.20136 39.06143 41.01450 43.06523 45.21849 41.01450 43.06523 45.21849 52.34605 54.96335 54.96335	26.83489 28.17663 29.58546 31.06474 32.61797 34.24887 35.96132 37.75938 39.64735 41.62972 43.71120 45.89676 48.19160 50.60118 53.13124 55.78780	27.23741 28.59928 30.02925 31.53071 33.10724 34.76261 38.30774 38.32577 40.24206 42.25416 44.36687 45.58522 48.91448 51.36020 53.92821 56.62462 59.45585	105 106 107 108 109 111 112 113 114 115 116 117 118 119 120 121
105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122	17.16795 18.02635 18.92767 18.87405 20.86775 21.91114 23.00670 24.15703 25.36489 26.63313 27.96479 29.36303 30.83118 22.37274 33.99137 35.69094 37.47549 39.34926	18.29675 19.21158 20.17216 21.18077 22.23981 23.35180 24.51939 25.74536 27.03263 28.38426 29.80347 31.29364 32.85833 34.50124 36.22631 38.03762 39.93950	17.68685 18.57120 19.49976 20.47474 21.49848 22.57341 23.70208 24.88718 26.13154 27.43812 28.81002 30.25052 31.76305 33.35120 35.01876 36.76970 38.60819 40.53859	18.84977 19.79225 20.78187 21.82096 22.91201 25.26049 26.52351 27.84969 29.24217 30.70428 32.23950 33.85147 35.554404 37.32125 39.18731 41.14667	19.13251 20.08914 21.09359 22.14827 23.25659 24.41847 25.63940 26.92137 28.26743 29.68081 31.16485 32.72309 34.35924 36.07720 37.88106 39.77512	19.41950 20.39047 21.41000 22.48050 23.60452 24.78475 26.02399 27.32519 28.69144 30.12602 31.63232 33.21393 34.87463 36.61836 38.44928 40.37174 42.39033	18.77218 19.71079 20.69633 21.73115 22.81771 23.95859 26.15652 26.41435 27.73506 29.12182 30.57791 32.10680 33.71214 35.39775 37.16764 39.02602 40.97732	19.05377 20.00645 21.00678 22.05712 23.15997 24.31797 25.53387 26.81056 28.15109 29.55864 31.03658 32.58840 34.21783 35.592872 37.72515 39.61141 41.59198 43.67158	20.30655 21.32188 22.38797 23.50737 24.68274 25.91688 27.21272 28.57366 30.00202 31.50212 33.07723 34.73109 36.46765 38.29103 40.20558 42.21586	19.62967 20.61115 21.64171 22.72379 23.85998 25.05298 26.30563 27.62091 29.00196 30.45205 31.97466 31.97466 33.57339 35.25206 37.01466 38.86539 40.00666 42.24910 44.99155	19.92411 20.92032 21.96633 23.06465 24.21788 25.42877 26.70021 28.03522 29.43699 30.90883 32.45428 34.07699 35.76084 37.56988 39.44838 41.42079 43.49183 45.66643	21.23412 22.29883 23.41062 24.58115 25.81021 27.10072 28.45575 29.87854 31.37247 32.94109 34.58815 36.31755 36.31755 38.13343 40.04010 42.04211 44.14421	0.52632 21.55263 22.63026 23.76178 24.94987 26.19736 27.50723 28.88259 30.32672 31.84305 33.343521 33.343521 33.343521 33.343521 34.84205 38.870543 40.64070 42.67274 44.80638	21.87592 22.96972 24.11820 25.32411 26.59032 27.91984 29.31583 30.78162 33.393674 35.63357 37.41525 39.28601 41.25031 43.31283 45.47847 47.75239	21.14672 22.20406 23.31426 24.47998 25.70398 26.98917 28.33863 29.75557 31.24334 32.80551 34.44579 36.16808 37.97648 39.87530 41.86907 43.96252 46.16065	22.53712 23.66398 24.84718 26.08954 27.39401 28.76371 30.20190 31.71199 33.29759 34.96247 36.71060 38.54613 40.47343 42.49710 44.62196 49.19571	21.78588 22.87518 24.01894 25.21988 26.48088 27.80492 29.19517 30.65493 32.18767 33.79706 35.48691 37.26126 39.12432 41.08053 43.13456 45.29129 47.55585	23.21831 24.37922 25.59818 26.87809 28.22200 29.63310 31.11475 32.67049 34.30401 36.01921 37.82017 39.71118 41.69674 43.78158 45.97066 48.26919 50.68265	22.44436 23.56658 24.74491 25.98216 27.28126 27.28126 27.28126 30.07759 31.58147 33.16055 34.81857 34.81857 36.55950 38.38748 40.30685 42.32219 44.43830 46.66022 48.99323 51.44289	22.78103 23.92008 25.11608 26.37189 27.69048 29.07501 30.52876 33.65795 35.34085 37.10789 38.96329 40.91145 42.95703 45.10488 47.36012 49.72813 52.21453	23.12274 24.27888 25.49282 26.76747 28.10584 29.51113 30.98669 32.53602 34.16282 35.87096 37.66451 39.54774 41.52513 43.80138 45.78145 43.07052 50.47405 52.99775	23.46958 24.64306 25.87522 27.16898 28.52743 29.95380 31.45149 33.02406 34.67527 36.40903 38.22948 40.14095 42.14800 44.25540 46.46817 48.79158 51.23116 53.79272	25.01271 26.26335 27.57651 28.95534 30.40311 31.92326 33.51942 35.19539 36.95516 38.80292 40.74307 42.78022 40.74307 42.78022 44.91923 47.16520 49.52345 51.99963	24.17895 25.38790 26.65730 27.99016 29.38967 30.85915 32.40211 34.02221 35.72333 37.50949 39.38497 41.35421 43.42193 45.59302 47.87267 50.26631 52.77962 55.41860	25.76872 27.05716 28.41001 29.83051 31.32204 32.88814 34.53255 36.25918 38.07213 39.97574 41.97453 44.07325 46.27692 48.59076 51.02030 53.57132	24.90976 26.15525 27.46301 28.83816 30.27797 31.79187 33.38146 35.05054 36.80306 38.64322 40.57538 42.60415 44.73435 46.97107 49.31962 51.78561 54.37489 57.09363	25 28341 26 54758 27 87496 29 26871 30 73214 32 26875 33 88219 35 57629 37 35511 39 22286 41.18401 43 24321 45 40537 47 67564 50 06542 52 66239 55 19051	25.66266 26.94579 28.29308 29.70774 31.19312 32.75278 34.39042 36.10994 37.91544 39.81121 41.80177 43.89186 46.08645 48.39077 50.81031 53.35083 56.01837 58.81929	26.04760 27.34998 28.71748 30.15335 31.66102 33.24407 34.90627 36.65159 38.48417 40.40838 42.42679 44.55023 46.77775 49.911663 51.57246 54.15109 56.63564	26.43831 27.76023 29.14824 30.60565 32.13593 33.74273 35.42987 37.20136 39.06143 41.01450 43.06523 45.21849 47.47941 49.85338 52.34605 54.96335 57.71152 60.59710	26.83489 28.17663 29.58546 31.06474 32.61797 34.24887 35.96132 37.75938 39.64735 41.62972 43.71120 45.89676 48.19160 50.60118 53.13124 55.78780 56.57719	27.23741 28.59928 30.02925 31.53071 33.10724 34.76261 36.50074 40.24206 42.254167 44.36867 44.36867 51.36020 53.92821 56.62462 59.45585	105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122
105 106 107 108 109 110 111 112 113 114 115 116 116 117 118 119 120 121	17.16795 18.02635 18.92767 19.87405 20.86775 21.91114 23.00670 24.15703 25.36489 26.63313 27.96479 29.36303 30.83118 32.37274 33.99137 35.69094 37.47549	18.29675 19.21158 20.17216 21.18077 22.23981 23.35180 24.51939 25.74536 27.03263 28.38426 29.80347 31.29364 32.85833 34.50124 36.22631 38.03762	17.68685 18.57120 19.49976 20.47474 21.49848 22.57341 23.70208 24.88718 26.13154 27.43812 28.81102 30.25052 31.76305 33.35120 35.01876 36.06819 40.53859 42.56552	18.84977 19.79225 20.78187 21.82096 22.91201 25.26049 26.52351 27.84969 29.24217 30.70428 32.23950 33.85147 35.54404 37.32125 39.18731	19.13251 20.08914 21.09359 22.14827 23.25569 24.41847 25.63940 26.92137 28.26743 29.68081 31.16485 32.72309 34.35924 36.07720 37.88106 39.77512	19.41950 20.39047 21.41000 22.48050 23.60452 24.78475 26.02399 27.32519 28.69144 30.12602 31.63232 33.21393 34.87463 36.61836 38.44928 40.37174	18.77218 19.71079 20.69633 21.73115 22.81771 23.95859 25.15652 26.41435 29.12182 30.57791 32.10680 33.71214 35.39775 37.16764 39.02602 40.97732	19.05377 20.00645 21.00678 22.05712 23.15997 24.31797 25.53387 26.81056 28.15109 29.55864 31.03658 32.58840 34.21783 35.92872 37.72515 39.61141 41.59198	20.30655 21.32188 22.38797 23.50737 24.68274 25.91688 27.21272 28.57336 30.00202 31.50212 33.07723 34.73109 36.46765 38.29103 40.20558 42.21586	19.62967 20.61115 21.64171 22.72379 23.85998 25.05298 26.30563 27.62091 29.00196 30.45205 31.97466 33.57339 35.25206 37.01466 38.86539 40.80866	19.92411 20.92032 21.96633 23.06465 24.21788 25.42877 26.70021 28.03522 29.43699 30.90883 32.45428 34.07699 35.78084 35.78084 35.66988 39.44838 41.42079 43.49183 45.66643 47.94975	21.23412 22.29583 23.41062 24.58115 25.81021 27.10072 28.45575 29.87654 31.37247 32.94109 34.58815 36.31755 38.13343 40.04010 42.04211 44.14421	20.52632 21.55263 22.63026 23.76178 24.94987 26.19736 27.50723 28.88259 30.32672 31.84305 33.43521 35.10697 36.86232 38.70543 40.64070 42.67274	21.87592 22.96972 24.11820 25.32411 26.59032 27.91984 29.31583 30.78162 32.32070 33.93674 35.63357 37.41525 39.28601 41.25031 43.31283 45.47847	21.14672 22.20406 23.31426 24.47998 25.70398 26.98917 28.33863 29.75557 31.24334 32.80551 34.44579 36.16808 37.97648 39.87530 41.86907 43.96252	22.53712 23.66398 24.84718 26.08954 27.39401 28.76371 30.20190 31.71199 33.29759 34.96247 36.71060 38.54613 40.47343 42.49710 44.62196	21.78588 22.87518 24.01894 25.21988 26.48088 27.80492 29.19517 30.65493 32.18767 33.79706 35.48691 37.26126 39.12432 41.08053 43.13456 45.29129 47.55585 49.93365 52.43033	23.21831 24.37922 25.59818 26.87809 28.22200 29.63310 31.11475 32.67049 34.30401 36.01921 37.82017 39.71118 41.69674 43.78158 45.97066 48.26919	22.44436 23.56658 24.7491 25.96216 27.28126 28.64533 30.07759 31.58147 33.16055 38.38748 40.30685 42.32219 44.43830 46.66022 48.99323 51.44289 51.44289	22.78103 23.92008 25.11608 26.37189 27.69048 29.07501 30.52876 33.05519 33.65795 35.34085 37.10789 38.96329 40.91145 42.95703 45.10488 47.36012	23.12274 24.27888 25.49282 26.76747 28.10584 29.51113 30.98669 32.53602 34.16282 35.87096 37.66451 39.54774 41.52513 43.60138 45.78145 48.07052	23.46958 24.64306 25.87522 27.16988 28.52743 29.95380 31.45149 33.02406 34.67527 36.40903 38.22948 40.14095 42.14800 44.25540 44.6817 48.79158 51.23116	25.01271 26.26335 27.57651 28.95534 30.40311 31.92326 33.51942 35.19539 36.95516 38.80292 40.74307 42.78022 44.91923 47.16520 49.52345 51.99963	24.17895 25.38790 26.65730 27.99016 29.38967 30.85915 32.40211 34.02221 35.72333 37.50949 39.38497 41.35421 43.42193 45.59302 47.87267 50.26631 52.77962	25.76872 27.05716 28.41001 29.83051 31.32204 32.88814 34.53255 36.25918 38.07213 39.97574 41.97453 44.07325 46.27692 48.59076 51.02030 53.57132	24.90976 26.15525 27.46301 28.83616 30.27797 31.79187 33.38146 35.05054 38.64322 40.57538 42.60415 44.73435 46.97107 49.31962 51.78561	25.28341 26.54758 27.87496 29.26871 30.73214 32.26875 33.88219 35.57629 37.35511 39.22286 41.18401 43.24321 45.40537 47.67564 50.05942 52.56239 55.19051	25.66266 26.94579 28.29308 29.70774 31.19312 32.75278 34.39042 36.10994 37.91544 39.81121 41.80177 43.89186 46.08645 48.39077 50.81031 53.35083 56.01837	26.04760 27.34998 28.71748 30.15335 31.66102 33.24407 36.65159 38.48417 40.40838 42.42879 44.55023 46.77775 49.11663 51.57246 54.15109 56.85864	26.43831 27.76023 29.14824 30.60565 32.13593 33.74273 35.42987 37.20136 39.06143 41.01450 43.06523 45.21849 41.01450 43.06523 45.21849 52.34605 54.96335 54.96335	26.83489 28.17663 29.58546 31.06474 32.61797 34.24887 35.96132 37.75938 39.64735 41.62972 43.71120 45.89676 48.19160 50.60118 53.13124 55.78780	27.23741 28.59928 30.02925 31.53071 33.10724 34.76261 38.30774 38.32577 40.24206 42.25416 44.36687 45.58522 48.91448 51.36020 53.92821 56.62462 59.45585	105 106 107 108 109 111 112 113 114 115 116 117 118 119 120 121
105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 121 122 123	17.16795 18.02635 18.92767 18.87405 18.87405 19.87405 21.91114 21.91114 23.00677 24.15703 25.36489 29.36303 27.96479 29.36303 23.96479 29.36303 23.389137 36.69094 37.47549 33.49264 41.31673	18.29675 19.21158 20.17216 21.18077 22.23981 23.35180 24.51939 25.74536 27.03263 28.38426 29.80347 31.29364 32.85833 34.50124 36.22631 38.03762 39.93950	17.68685 18.57120 19.49976 20.47474 21.49848 22.57341 23.70208 24.88718 26.13154 27.43812 28.81002 30.25052 31.76305 33.35120 33.05176 33.05176 33.05176 33.60819 40.53859 44.69380	18.84977 19.79225 20.78187 21.82096 22.91201 24.05761 25.26049 26.52351 27.84969 29.24217 30.70428 32.23950 33.85147 35.54404 37.32125 39.18731 41.14667	19.13251 20.08814 21.09359 22.14827 23.25569 24.41847 25.63940 26.92137 28.26743 29.68081 31.16485 32.72309 34.35924 36.07720 37.88106 39.77512 41.76387 43.85207	19.41950 20.39047 21.41000 22.48050 23.60452 24.78475 26.02399 27.32519 28.69144 30.12602 31.63232 33.21393 34.67463 36.61836 38.44928 40.37174 42.39033	18.77218 19.71079 20.69633 21.73115 22.81771 23.95859 25.15652 26.41435 27.73506 29.12182 30.57791 32.10680 33.71214 35.39775 37.16764 39.02602 43.02619 45.17750	19.05377 20.00645 21.00678 22.05712 23.15997 24.31797 25.53387 26.81056 28.15109 29.55864 31.03658 32.58840 34.21783 35.92872 37.72515 39.61141 41.59198 43.67158	20.30655 21.32188 22.38797 23.50737 24.68274 25.91688 27.21272 28.57336 30.00202 31.50212 33.07723 34.73109 36.46765 38.29103 40.20558 42.21586 44.32665	19.02967 20.61115 21.64171 23.85998 25.05298 26.30563 27.82091 29.00196 30.45205 31.97466 33.57206 37.01466 38.8653206 37.01466 38.8656 42.84910 44.99155	19.92411 20.92032 21.96633 23.06465 24.21788 25.42877 26.70021 28.03522 29.43699 30.90883 32.45428 34.07699 35.78084 35.78084 35.66988 39.44838 41.42079 43.49183 45.66643 47.94975	21.23412 22.29683 23.41062 24.58115 25.81021 27.10072 28.45575 29.87854 31.37247 32.94109 34.58815 38.13343 40.04010 42.04211 44.14421 46.35142	0.52632 21.55263 22.63026 23.76178 24.94987 26.19773 28.88259 30.32672 33.4355 33.4355 33.43435 35.10697 40.64070 40.64070 40.64070 44.8033 47.04669	21.87592 22.96972 24.11820 25.32411 26.59032 27.91984 29.37682 33.93674 35.63357 33.93674 35.63357 39.28601 41.25031 41.25031 43.31283 45.47847 47.75239 50.14001	21.14672 22.20406 23.31426 24.47998 25.70398 26.98917 28.33863 29.75557 31.24334 32.80551 34.44579 36.16808 37.97648 39.87530 41.86907 43.96252 48.46868 50.89211	22.53712 23.66398 24.84718 26.08954 27.39401 30.20190 31.71199 33.29759 34.96247 36.71060 38.54613 40.47343 40.47343 42.49710 44.62196 46.85306 49.19571 51.65550	21.78588 22.87518 24.01894 25.21988 26.48088 27.80492 29.19517 30.65493 32.18767 33.79706 35.48691 37.26126 39.12432 41.08053 43.13456 45.29129 47.55585	23.21831 24.37922 25.59818 26.87809 28.2200 29.63310 31.11475 32.67049 34.30401 36.01921 37.82017 39.71118 41.69674 43.78158 45.97066 48.26919 50.68265 53.21678	22.44436 23.56658 24.7491 25.96216 27.28126 28.64533 30.07759 31.58147 33.16055 38.38748 40.30685 42.32219 44.43830 44.66022 48.99323 51.42289 51.42289	22.78103 23.92008 25.11608 26.37189 27.69048 29.07501 33.052876 32.05519 33.65795 33.65795 33.65795 33.64595 37.10789 38.96329 40.91145 42.95703 45.10488 47.36012 49.72813 52.21453	23.12274 24.27888 25.49282 26.76747 28.10584 29.51113 30.98669 32.53602 34.16282 35.87096 37.66451 39.54774 41.52513 43.60138 45.78145 48.07052 50.47405 52.99775 55.64764	23.46958 24.64306 25.87522 27.16988 29.95380 31.45149 33.02406 34.67527 36.40903 38.22948 40.14095 42.14800 44.25540 44.4817 48.79158 51.23116 53.79272 56.48235	25.01271 26.26335 27.57651 28.95534 31.92326 33.51942 35.19539 36.95516 38.80292 40.74307 42.78022 44.91923 47.16520 49.52345 51.99963 54.59961	24.17895 25.38790 26.65730 27.99016 29.38967 30.85915 32.40211 34.02221 35.7233 37.50949 39.38497 41.35421 43.42193 45.59302 47.87267 50.26631 52.77962 55.41860 56.18953	25.76872 27.05716 28.41001 29.83051 31.32204 32.88814 34.53255 36.25918 38.07213 39.97574 41.97453 44.07325 46.27692 48.59076 51.02030 53.57132 56.24988 59.06238	24.90976 26.15525 27.46301 28.83616 30.27797 31.79187 33.38146 35.05054 36.80306 38.64322 40.57538 42.60415 44.73435 46.97107 49.31962 51.78561 54.37489 57.09363 59.94831	25.28341 26.54758 27.87496 29.26871 30.73214 32.26875 33.68219 35.57629 37.35511 39.22286 41.18401 43.24221 43.24221 43.24321 43.24321 50.05542 50.05545 50.05545 50.05545 51.9051 57.95003	25.66266 26.94579 28.29308 29.70774 31.19312 32.75278 34.39042 35.10994 37.91544 39.81121 41.80177 43.89186 46.08645 48.39077 50.81031 55.35083 56.01837 58.81929 61.76025	20.04760 27.34998 28.71748 30.15335 31.66102 33.24407 34.90627 36.65159 38.48417 38.48417 44.5023 44.45023 44.45023 51.57246 51.57246 54.15109 56.85864 59.70157	26.43831 27.76023 29.14824 30.60565 32.13593 33.74273 35.42987 37.20136 39.06143 41.01450 43.06523 45.21849 47.47941 48.85338 52.34605 54.96335 57.71152 60.59710 63.62695	26.83489 28.17663 29.58546 31.06474 32.61797 34.24887 33.96132 37.75938 39.64735 41.62972 43.71120 45.89676 48.19160 55.68776 55.78780 55.78780 55.78780 55.78780	27.23741 28.59928 30.02925 31.53071 33.10724 34.76261 36.50074 38.32577 40.24206 42.25416 44.36867 46.58522 48.91448 51.36020 53.92821 53.92824 53.92826 53.92826 53.92826 53.92826 53.92826 53.92826 53.92826 53.92826 53.92826 53.92826 53.92826 53.92826 53.92826 53.92827 53.92827 53.92827 53.92827 53.92827 53.92827 53.92827 54.92755 54.92755 54.927555 54.927555555555555555555555555555555555555	105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123
105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124	17.16795 18.02635 18.92767 18.87405 20.86775 21.91114 23.00670 24.15703 25.36489 26.63313 27.96479 29.36303 30.83118 32.37274 33.99137 35.69094 37.47549 39.34926 41.31673 41.31673	18.29675 19.21158 20.17216 21.18077 22.23981 23.35180 25.74536 27.03263 28.38426 29.80347 31.29364 29.80347 31.29364 32.85833 34.50124 36.22631 36.20631 39.3950 41.193648 41.0336	17.68685 18.57120 19.49976 20.47474 21.49848 22.57341 23.70208 24.88718 26.13154 27.43812 28.81002 30.25052 31.76305 33.35120 35.01876 36.76970 38.60819 40.53859 42.56552 44.69380 46.92849	18.84977 19.79225 20.78187 21.82096 22.91201 24.05761 25.26049 26.52351 27.84969 29.24217 30.70428 32.23950 33.85147 35.54404 37.32125 39.18731 41.14667 43.20401 45.36421	19.13251 20.08914 21.09359 22.14827 23.25569 24.41847 25.63940 26.92137 28.26743 29.68081 31.16485 32.72309 34.35924 36.07720 37.88106 39.77512 41.76387 43.85207	19.41950 20.39047 21.41000 22.48050 22.60452 24.78475 26.02399 27.32519 28.69144 30.12602 31.63232 33.21393 34.87463 36.61836 38.44928 40.37174 42.39033 44.50985	18.77218 19.71079 20.69633 21.73115 22.81771 23.95859 25.15652 26.41435 27.73506 29.12182 30.57791 32.10680 33.71214 35.39775 37.16764 39.02619 40.97732 43.02619 45.17750	19.05377 20.00645 21.00678 22.05712 23.15997 24.31797 25.53387 26.81056 28.15109 29.55864 31.03658 32.58840 34.21783 35.92872 37.72515 39.61141 41.59198 43.67158 45.85516 48.14792	20.30655 21.32188 22.38797 23.50737 24.68274 25.91688 27.21272 28.57336 30.00202 31.50212 33.07723 34.73109 36.46765 38.29103 40.20558 42.21586 44.32665 46.54299	19.02967 20.61115 21.64171 22.72379 23.85998 25.05298 26.03063 27.62091 29.00196 30.45205 31.97466 33.57339 35.25206 37.01466 38.86539 40.03066 40.03066 40.03066 40.03066 41.040155 47.24113	19.92411 20.92032 21.96633 23.06465 24.21788 25.42877 26.70021 28.03522 29.43699 30.90883 32.45428 34.07699 35.78084 37.56988 39.44838 41.42079 43.49183 45.66643 47.94975 50.34723	21.23412 22.2983 23.41062 24.58115 25.81021 27.10072 28.45575 29.87854 31.37247 32.94109 34.58815 36.31755 38.13343 40.04010 42.04211 44.14421 46.365142 48.66899	0.5632 21.55263 22.63026 23.76178 24.94987 26.19736 27.50723 28.88259 30.32672 31.84305 31.84305 31.84305 31.84305 33.43521 35.10697 36.68632 38.70543 40.64070 42.67274 44.80638 47.04669 49.39903 51.86898	21.87592 22.96972 24.11820 25.32411 26.59032 27.91984 29.31583 30.78162 32.32070 33.93674 35.63357 37.41525 39.28601 41.25031 41.25031 43.31283 45.47847 47.75239 50.14001 52.64701	21.14672 22.20406 23.31426 24.47998 25.70398 26.98917 28.33863 29.75557 31.24334 32.80551 34.44579 36.16808 37.97648 39.87530 41.86907 43.96252 46.16065 48.46868 50.89211	22.53712 23.66398 24.84718 26.08954 27.39401 30.20190 31.71199 33.29759 34.96247 36.71060 38.54613 40.47343 40.47343 42.49710 44.62196 46.85306 49.19571 51.65550	21.78588 22.87518 24.01894 25.21988 26.48088 27.80492 29.19517 30.65493 32.18767 33.79706 33.79706 33.79706 33.79706 39.12432 41.08053 43.13456 45.29129 47.55585 59.43033 55.05184 57.80444	23.21831 24.37922 25.59818 26.87809 28.22200 29.63310 31.11475 32.67049 34.30401 36.01921 37.82017 39.71118 41.69674 43.78158 45.97066 48.26919 50.68265 53.21678	22.44436 23.56658 24.74491 25.98216 27.28126 28.64533 30.07759 31.58147 33.16055 34.81857 36.55950 38.38748 40.30685 42.32219 44.43830 46.66022 48.99323 51.44289 54.01503 56.71579 59.55158	22.78103 23.92008 25.11608 26.37189 27.69048 29.07501 30.52876 32.05519 33.65795 35.34085 37.10789 38.96329 40.91145 42.95703 45.10488 47.36012 49.72813 52.21453 54.82526 57.56652	23.12274 24.27888 25.49282 26.76747 28.10584 29.51113 30.98669 32.53602 34.16282 35.87096 37.66451 33.54774 41.52513 43.60138 45.78145 48.07052 50.47405 52.99775 55.64764	23.46958 24.64306 25.87522 27.16898 28.52743 29.95380 31.45149 33.02406 34.67527 36.40903 38.22948 40.14095 42.14800 44.25540 44.46817 44.79158 51.23116 53.79272 56.48235 59.30647	25.01271 26.26335 27.57651 28.95534 30.40311 31.92326 33.51942 35.19529 36.95516 38.80292 40.74307 42.78022 44.91923 47.16520 49.52345 51.99963 54.59961 57.32959	24.17895 25.38790 26.65730 27.99016 29.38967 30.85915 32.40211 35.7233 37.50949 39.38497 41.35421 43.42193 45.59302 47.87267 55.26631 50.26631 52.77962 55.41860 58.18953 61.09901	25.76872 27.05716 28.41001 29.83051 31.32204 32.88814 34.53255 36.25918 38.07213 39.97574 41.97453 44.07325 46.27692 48.59076 51.02030 53.57132 55.24988 59.06238 62.01549	24.90976 26.15525 27.46301 28.83616 30.27797 31.79187 33.38146 35.05054 36.80306 38.64322 40.57538 42.60415 44.73435 46.97107 49.31962 51.78561 54.37489 57.09363 59.94831 62.94573	25 28341 26 54758 27 87496 29 26871 30 73214 32 26875 33 88219 35 57629 37 35511 39 22286 41.18401 43 24321 45 40537 47 67564 50 06542 52 66239 55 19051 60 84754 63 88991	25.66266 26.94579 28.29308 29.70774 31.19312 32.75278 34.39042 36.10994 37.91544 39.81121 41.80177 43.89186 46.08645 48.39077 50.81031 55.35063 56.01837 58.81929 61.76025 64.84826	20.04760 27.34998 28.71748 30.15335 31.66102 33.24407 34.90627 36.65159 38.48417 40.40838 42.42879 44.55023 44.55023 44.55023 45.7576 51.57246 54.57746 56.85864 59.70157 62.68665	26.43831 27.76023 29.14824 30.60565 32.13593 33.74273 35.42987 37.20136 39.06143 41.01450 43.06523 41.01450 43.06523 45.21849 47.47941 49.85338 52.34605 54.96335 57.71152 60.59710 63.82695 66.80830	26.83489 28.17663 29.58546 31.06474 32.61797 34.24887 35.96132 37.75938 39.64735 41.62972 43.71120 43.71120 43.89676 48.19160 50.60118 53.13124 55.78780 58.57719 61.50605 64.58136 67.81043	27.23741 28.59928 30.02925 31.53071 33.10724 34.76261 36.50074 40.24206 42.25416 44.36687 40.24206 42.25416 53.92821 55.62462 59.45585 62.42285 65.55008	105 106 107 108 109 111 112 113 114 115 116 117 118 119 120 121 122 123 124
105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125	17.16795 18.02635 18.92767 18.87405 20.86775 21.91114 23.00670 24.15703 25.36489 26.63313 27.96479 29.36303 30.83118 23.37274 33.99137 35.69094 37.47549 39.34926 41.31673 43.38256 45.55169	18.29675 19.21158 20.17216 21.18077 22.23580 23.35180 24.51939 25.74536 27.03263 28.38426 29.80347 31.29633 34.50124 36.22631 38.03762 39.93950 41.93648 44.03300	17.68685 18.57120 19.49976 20.47474 21.49848 22.57341 23.70208 24.88718 26.13154 27.43812 28.81002 30.25052 33.35120 33.01876 36.76970 38.60819 40.53859 42.56552 44.69380 46.92849 49.27491	18.84977 19.79225 20.78187 21.82096 22.91201 24.05761 25.26049 26.52351 27.84969 29.24217 30.70428 32.23950 33.85147 35.54404 37.32125 39.18731 41.14667 43.20401 45.36421 47.63242	19.13251 20.08914 21.09359 22.14827 23.25569 24.41847 25.63940 26.92137 28.26743 29.68081 31.16485 32.72309 34.35924 36.07720 37.88106 39.77512 41.76387 43.85207 46.04467	19.41950 20.39047 21.41000 22.48050 23.60452 24.78475 26.02399 27.32519 28.69144 30.12602 31.63232 33.21393 34.87463 36.61836 38.44928 40.37174 42.39033 44.53534 49.07211	18.77218 19.71079 20.69633 21.73115 22.81771 23.95859 25.15652 26.41435 27.73506 29.12182 30.57791 32.10680 33.71214 35.39775 37.16764 39.02602 40.97732 43.02619 45.17750 45.47750 47.43637 49.80819	19.05377 20.00645 21.00678 22.05712 23.15997 24.31797 25.53387 26.81056 28.15109 29.55864 31.03658 32.58840 34.21783 35.92872 37.72515 39.61141 41.59198 43.67158 43.67158 43.65516	20.30655 21.32188 22.38797 23.50737 24.68274 25.91688 27.21272 28.57336 30.00202 31.50212 33.07723 34.73109 36.46765 38.29103 40.20558 44.32665 44.32665 44.32665 44.32665	19.62967 20.61115 21.64171 22.72379 23.65998 25.05298 26.30563 27.62091 29.00196 30.45205 31.97466 33.57339 35.25206 37.01466 33.57339 35.82653 40.20666 42.84910 44.99155 47.24113 49.60315	19.92411 20.92032 21.96633 23.06465 24.21788 25.42877 26.70021 28.03522 29.43699 30.90883 32.45428 34.07699 35.78084 37.56988 39.44838 41.42079 43.49183 45.66643 47.94975 50.34723 52.86460	21.23412 22.29883 23.41062 24.58115 25.81021 27.10072 28.45575 29.87854 31.37247 32.94109 34.58815 36.31755 38.13343 40.04010 42.04211 44.14421 46.35142 48.68699 51.10244	0. 2632 21.55263 22.63026 23.76178 24.94987 26.19736 27.50723 28.88259 30.32672 31.184305 33.43521 35.10697 36.86232 38.70543 40.64070 42.67274 44.480638 47.04669 49.93903 51.86898	21.87592 22.96972 24.11820 25.32411 26.59032 27.91984 29.31583 30.78162 32.32070 33.99674 35.63357 37.41525 39.28601 41.25031 43.31283 45.47847 47.75239 50.14001 55.27937	21.14672 22.20406 23.31426 24.4798 25.70398 25.70398 29.75557 31.24334 32.80551 34.44579 36.16808 37.97648 39.87530 41.86907 43.96252 48.16065 48.46868 50.89211 53.43672 56.10856	22.53712 23.66398 24.84718 26.08954 27.39401 30.20190 31.71199 33.29759 34.96247 36.71060 38.54613 40.47343 42.49710 44.62196 44.62196 44.62196 51.65550 54.23827 56.95018 55.79769	21.78588 22.87518 24.01894 25.21988 26.48088 27.80492 29.19517 30.65493 32.18767 33.79706 35.48691 37.26126 39.12432 41.08053 43.13456 45.29129 47.55585 49.93365 55.243033 55.05184 57.80444 60.69466	23.21831 24.37922 25.59818 26.87809 28.22200 29.63310 31.11475 32.67049 34.30401 36.01921 37.82017 39.71118 41.69674 43.78158 45.97066 48.26919 50.68265 53.21678 55.87762 55.87762	22.44436 23.56658 24.7491 25.96216 27.28126 28.64533 30.07759 31.58147 33.16055 38.38748 40.30685 42.32219 44.43830 46.66022 48.99323 51.44289 51.44289 54.01503 56.71579 59.55158	22.78103 23.92008 25.11608 26.37189 27.69048 29.07501 33.052876 33.052876 33.052876 33.34085 35.34085 35.34085 35.34085 37.10789 38.96329 40.91145 42.95703 45.10488 47.36012 49.72813 52.21453 54.82526 57.56652 57.56652	23.12274 24.27888 25.49282 26.76747 28.10584 29.51113 30.98669 32.53602 33.16282 33.67096 37.66451 39.54774 41.52513 43.60138 45.78145 43.60138 45.78145 50.47405 55.64764 55.64764 58.43002 61.35152	23.46958 24.64306 25.87522 27.16898 28.52743 29.95380 31.45149 33.02406 34.67527 36.40903 38.22948 40.14095 42.14800 44.25540 44.25540 44.6817 48.79158 51.23116 53.79272 56.48235 59.30647 62.27180	25.01271 26.26335 27.57651 28.95534 30.40311 31.92326 33.51942 35.19539 36.95516 38.80292 40.74307 42.78022 44.91923 47.16520 49.52345 51.99963 54.59961 57.32959 60.19607 63.20587	24.17895 25.38790 26.65730 27.99016 29.38867 30.85915 32.40211 34.02221 35.7233 37.50949 39.38497 41.35421 43.42193 43.42193 43.42193 43.42193 45.59302 47.87267 50.26631 52.77962 55.41860 58.18953 61.09901 64.15396 67.36166	25.76872 27.05716 28.41001 29.83051 31.32204 32.88814 34.53255 36.25918 38.07213 39.97574 41.97453 44.07325 46.27692 48.59076 51.02030 55.57132 56.24988 59.06238 59.06238 52.01549 65.11627	24.90976 26.15525 27.46301 28.83616 30.27797 31.79187 33.38146 35.05054 38.64322 40.57538 42.60415 44.73435 46.97107 49.31962 51.78561 54.37489 57.09363 59.94631 62.94573 66.09301	25 28341 26 54758 27 87496 29 26871 30 73214 32 26875 33 88219 35 57629 37 35511 39 22286 41.18401 43 24321 45 40537 47 67564 50 06542 52 66239 55 19051 60 84754 63 88991	25.66266 26.94579 28.29308 29.70774 31.19312 32.75278 34.39042 36.10994 37.91544 39.81121 41.80177 43.89186 46.08645 446.08645 448.39077 50.81031 53.35083 56.01837 58.81929 61.76025 64.84826 68.09068	20.04760 27.34998 28.71748 30.15335 31.66102 33.24407 34.90627 36.65159 38.48417 40.40838 40.40838 40.40838 42.42502 44.50727 54.51509 56.85864 59.70157 56.85864 59.70157 56.85864 59.70157 56.85864 59.70157 57.256764	26.43831 27.76023 29.14824 30.60565 32.13593 33.74273 35.42987 37.20136 39.06143 41.01450 43.06523 45.21849 47.47941 49.85338 52.34605 54.96335 57.71152 60.59710 63.62695 66.80830 70.14872	26.83489 28.17663 29.58546 31.06474 32.61797 34.24887 35.96132 37.75938 39.64735 41.62972 43.71120 45.89676 48.19160 55.60118 53.13124 55.78780 58.57719 61.50605 64.58136 67.81043 71.20095	27.23741 28.59928 30.02925 31.53071 33.10724 34.76261 36.5074 40.24206 42.25406 42.25406 42.25406 42.436687 44.36687 46.56522 48.91448 51.36020 53.92821 56.62462 59.45585 62.42865 66.82758 72.26896	105 106 107 108 109 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125
105 106 107 108 109 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128	1.16795 18.02635 18.92767 19.87405 20.86775 21.91114 23.00670 24.15703 25.36489 26.63313 27.9479 29.36303 30.83118 22.37274 33.99137 35.69094 41.31673 43.38256 50.22074 50.22074 50.22074	18.29675 19.21158 20.17216 21.18077 22.2381 23.35180 24.51939 25.74536 27.03263 28.38426 29.80347 31.29364 24.0333 34.50124 36.22631 38.03762 39.93950 41.93964 44.03330 46.23497 48.54671 50.97405 50.97405	17.68685 18.57120 19.49976 20.47474 21.49848 22.57341 23.70208 24.88718 26.13154 27.43812 28.81002 30.25052 31.76305 33.01876 36.76970 38.60819 40.53859 42.56552 44.69380 46.92249 49.27491 51.73866 54.32559	18.84977 19.79225 20.78187 21.82096 22.91201 24.05761 25.26049 26.52351 27.84969 29.24217 30.70428 32.23950 33.85147 35.54404 37.32125 39.18731 41.14667 43.20401 45.36421 47.63242 50.01404 52.514748	19.13251 20.08914 21.09359 22.14827 23.25569 24.41847 25.63940 26.92137 28.26743 29.68081 31.16485 32.72309 34.35924 36.07720 37.88106 39.77512 41.76387 43.85207 43.85207 43.85207 45.0467 48.34690 50.76425 53.30246	19.41950 20.39047 21.41000 22.48050 23.60452 24.78475 26.02399 27.32519 28.69144 30.12602 31.63232 33.21393 34.87463 36.61836 38.44928 40.37174 42.39033 44.53534 49.07211 51.52571 54.10200	18.77218 19.71079 20.69633 21.73115 22.81771 23.95859 25.15652 26.41435 27.73506 29.12182 30.57791 32.10680 33.71214 35.39775 37.16764 39.02602 40.97732 43.02619 45.17750 47.43637 49.80819 52.29860 54.91353 57.65921	19.05377 20.00645 21.00678 22.05712 23.15997 24.31797 25.53387 26.81056 28.15109 29.55864 31.03658 32.58840 34.21783 35.92872 37.72515 39.61141 41.59198 43.67158 45.85516 48.14792 50.55531 53.08308 55.73723 58.52409	20.30655 21.32188 22.38797 23.50737 24.68274 25.91688 27.21272 28.57336 30.00202 31.50212 33.07723 34.73109 36.46765 38.29103 40.20558 44.32665 44.32665 44.32665 44.32665 45.87932 55.57329 56.40195	19.62967 20.61115 21.64171 23.85998 25.05298 26.30563 27.62091 29.00196 30.45205 31.97466 33.57339 35.25206 37.01466 38.86539 40.80666 42.84910 44.99155 47.24113 49.60319 52.08335 54.66751 57.42189 60.29298	19.92411 20.92032 21.96633 23.06465 24.21788 25.42877 26.70021 29.43699 30.90883 32.45428 34.07699 35.78084 37.56988 39.4438 41.42079 43.49183 45.66643 47.94975 50.34723 52.86460 55.50783 58.28322	21.23412 22.29883 23.41062 24.58115 25.81021 27.10072 28.45575 29.87854 31.37247 32.94109 34.58815 36.31755 36.31755 38.13343 40.04010 42.04211 44.14421 46.35142 48.66899 51.10244 53.65757 56.34044 59.15747 62.11534	0.52632 21.55263 22.83026 23.76178 24.94987 26.19736 27.50723 28.88259 30.32672 31.84305 33.343521 33.343521 35.10697 96.86232 38.70543 40.64070 42.67274 44.80638 47.704669 49.39903 51.86898 54.46243 57.18555 60.04483 60.04473	21.87592 22.96972 24.11820 25.32411 26.59032 27.91984 29.31583 30.78162 33.393674 35.63357 37.41525 39.28601 41.25031 41.25031 41.25031 45.47847 47.75239 50.14001 55.27937 58.04333 60.94550 63.99278	21.14672 22.20406 23.31426 24.47998 25.70398 25.70398 29.75557 31.24334 32.80551 34.44579 36.16808 37.97648 39.87530 41.86907 43.96252 46.16065 48.46868 50.89211 53.43672 56.10856 58.811398 61.85968 61.85968	22.53712 23.66398 24.84718 26.08954 27.39401 28.76371 30.20190 31.71199 33.29759 34.96247 36.71060 38.54613 40.47343 42.49710 44.62196 49.19571 51.65550 54.23827 56.95018 59.79769 62.78758	21.78588 22.87518 24.01894 25.21988 26.48088 27.80492 29.19517 30.65493 32.18767 33.79706 35.48691 37.26126 39.12432 41.08053 43.13456 45.29129 47.55585 49.93365 52.43033 55.05184 57.80444 60.694586	23.21831 24.37922 25.59818 26.87809 28.22200 29.63310 31.11475 32.67049 34.30401 36.01921 37.82017 39.71118 41.69674 43.78158 45.97066 44.26919 50.68265 53.21678 55.87762 58.67150 61.60508 64.68533 67.91960	22.44436 23.56658 24.74491 25.98216 27.28126 28.64533 30.07759 31.58147 33.16055 34.81857 34.81857 34.81857 34.8219 44.3830 46.66022 48.99323 51.44289 54.01503 56.71579 59.55158 62.52915 65.65561 65.65561	22.78103 23.92008 25.11608 26.37189 27.69048 29.07501 30.52876 32.05519 33.65795 35.34085 37.10789 38.96329 40.91145 42.95703 45.10488 47.36012 49.72813 55.221453 54.82526 57.5652 60.44485 63.46709 66.64045 69.97247	23.12274 24.27888 25.49282 26.76747 28.10584 29.51113 30.98669 32.53602 34.16282 35.87096 37.66451 39.54774 41.52513 43.60138 45.78145 48.07052 50.47405 55.47405 55.84764 58.43002 61.35152 64.41910 67.64005 77.02206	23.46958 24.64306 25.87522 29.5580 31.45149 33.02406 34.67527 36.40903 38.22948 40.14095 42.14800 44.25540 44.46817 45.79158 51.23116 53.79272 56.48235 59.30647 62.27180 66.358539 68.65465 72.08739	25.01271 26.26335 27.57651 28.95534 30.40311 31.92326 33.51942 35.19539 36.95516 38.80292 40.74307 42.78022 44.91923 47.16520 44.91923 47.16520 51.99963 54.59961 57.32959 60.19607 63.20587 66.36617 69.68447 73.16870	24.17895 25.38790 26.65730 27.99016 29.38967 30.85915 32.40211 34.02221 35.72333 37.50949 39.38497 41.35421 41.35421 41.35421 41.35421 41.35421 50.26631 52.77962 55.41860 58.18953 61.09901 64.15396 67.36186 70.72974 74.26623	25.76872 27.05716 29.83051 29.83051 31.32204 32.88814 34.53255 36.25918 38.07213 39.97574 41.97453 44.07325 46.27692 48.59076 51.02030 55.57132 56.24988 59.06238 59.06238 50.611627 68.37208 71.79069 75.38638	24.90976 26.15525 27.46301 28.83616 30.27797 33.38146 35.05054 36.80306 38.64322 40.57538 42.60415 44.73435 44.73435 44.931962 51.78561 54.37489 57.09363 55.94831 62.94573 66.09301 69.39766 72.86755 76.51717	25.28341 26.54758 27.87496 29.26871 30.73214 32.26875 33.88219 35.57629 37.35511 39.22286 41.18401 43.24321 45.40537 47.67564 50.05942 52.66239 55.19051 57.95003 60.84754 63.88951 63.88941 70.88431 70.8863 73.96056	25.66266 26.94579 28.29308 29.70774 31.19312 32.75278 34.39042 36.10994 37.91544 39.81121 41.80177 43.89186 46.08645 48.39077 50.81031 53.35083 56.01837 55.81929 61.76025 64.84826 68.09068 71.49521 75.06997 76.82990	20.04760 27.34998 28.71748 28.71748 28.71748 30.15335 31.66102 33.24407 34.90627 36.65159 38.48417 40.40838 42.42879 44.55023 46.77775 44.5502 44.55023 46.77775 56.85864 59.70157 62.68665 65.82099 69.11204 72.56764 76.19602 80.01235	26.43831 27.76023 29.14824 30.60565 32.13593 33.74273 35.42987 37.20136 39.06143 41.01450 43.06523 45.21849 47.47941 45.8538 52.34605 54.66335 57.71152 60.59710 63.82695 66.80830 70.14872 73.836615 77.33896 81.21254	26.83489 28.17663 29.58546 31.06474 32.61797 34.24887 35.96132 37.75938 39.64735 41.62972 43.71120 45.89676 48.19160 50.60118 55.78780 55.7719 61.50605 64.58136 67.81043 71.20095 74.76099 78.49904 82.43072	27.23741 28.59928 30.02925 31.53071 33.10724 34.76261 36.50074 38.32577 40.24206 40.24206 40.24206 40.24206 46.58522 48.91448 51.36020 53.392821 46.65855 66.242865 65.55008 68.82758 77.26896 68.82758 77.26896 68.82758 77.26896 68.82758 77.26896 68.82758 77.26896 68.82758 77.26896 68.82758 77.26896 68.82758 77.26896 68.82758 77.26896 68.82758 77.26896 68.82758 77.26896 68.82758 77.26896 68.82758 75.82841 79.67653 83.66718	105 106 107 108 109 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43.20401 45.36421 47.63242 50.01404 55.14048 57.89750	19.13251 20.08814 21.09359 22.14827 23.25569 24.41847 25.63940 26.92137 28.26743 28.26743 29.68081 31.16485 32.72309 34.35924 36.07720 37.88106 39.77512 41.76387 43.85207 48.34690 50.76425 53.30246 55.96758	19.41950 20.39047 21.41000 22.48050 23.60452 24.78475 26.02399 27.32519 28.69144 30.12602 31.63232 31.63232 33.21393 34.87463 36.61836 38.44928 40.37174 42.39033 44.50985 44.50985 45.73534 49.07211 51.52571 51.62571 51.	18.77218 19.71079 20.69633 21.73115 22.81771 23.95859 25.15652 26.41435 27.73506 29.12182 30.57791 32.10680 33.71214 35.39775 37.16764 39.02602 43.02619 45.17750 47.43637 45.17750 47.43637 49.80819 52.29860 54.91353 57.65921 60.54217	19.05377 20.00645 21.00678 22.05712 23.15997 24.31797 25.53387 26.81056 28.15109 29.55864 31.03658 32.58840 34.21783 35.92872 37.72515 39.61141 41.59198 43.67158 43.67158 43.87158 45.85516 48.14792 50.55531 53.08308 55.73723 58.52409 61.45030	20.30655 21.32188 22.38797 23.50737 24.68274 25.91688 27.21272 28.57336 30.00202 31.50212 33.07723 34.73109 36.46765 38.29103 40.20558 42.21586 44.32665 45.4299 46.54299 46.54299 51.31364 55.37329 59.40195 50.40195	19.02967 20.61115 21.64171 23.85998 25.05298 25.05298 25.05298 27.82091 29.00196 30.45205 31.97466 33.57206 37.01466 38.86532 37.01466 38.8656 42.84910 44.99155 40.80866 42.94910 44.99155 52.08336 44.99155 52.08335 54.68751 57.42189 60.29298	19.92411 20.92032 21.96633 23.06465 24.21788 25.42877 26.70021 28.03522 29.43609 30.90883 32.45428 34.07699 35.78084 33.78084 33.56988 39.44388 41.42079 43.49183 45.66643 47.94975 50.34723 52.86460 55.50783 55.20783 55.80783	21.23412 22.29683 23.41062 24.58115 25.81021 27.10072 28.45575 29.87854 31.37247 32.94109 34.58815 36.31755 38.13343 40.04010 42.04211 44.14421 46.36599 51.10244 53.85757 56.34044 59.15747 62.11534 65.22111	0.52632 21.55263 22.63026 23.76178 24.94987 24.94987 24.94987 24.94987 28.88259 30.32672 33.43435 31.04305 31.04305 31.04305 31.04305 31.04305 38.70543 40.64070 40.64070 44.903903 51.86898 54.46243 57.18555 60.04483 63.04707	21.87592 22.96972 24.11820 25.32411 26.59032 27.91984 29.31583 30.78162 33.32070 33.93674 35.63357 37.41525 39.28601 41.25031 41.25031 41.25031 43.31283 45.47847 47.75239 50.14001 55.27937 55.24703 55.247031 55.27937 56.04333 60.94550 63.99278 67.19241	21.14672 22.20406 23.31426 24.47998 25.70398 26.98917 28.33863 29.75557 31.24334 32.80551 34.44579 36.16808 37.97648 39.87530 41.86907 43.96252 48.46868 50.89211 53.43672 56.10856 58.91398 61.85968 64.95267 68.20030	22.53712 23.66398 24.84718 26.08954 27.39401 30.20190 31.71199 33.29759 34.96247 36.71060 38.54613 40.47343 42.49710 44.62196 44.62196 44.62196 51.65550 54.23827 56.95018 55.79769 62.78758 65.92696	21.78588 22.87518 24.01894 25.21988 26.48088 27.80492 29.19517 30.65493 32.18767 33.79706 35.48691 37.26126 39.12432 41.08053 43.13456 45.29129 47.55585 49.93365 55.243033 55.05184 57.80444 60.69466 63.72939 66.91586 70.26165	23.21831 24.37922 25.59818 26.87809 28.2200 29.63310 31.11475 32.67049 34.30401 36.01921 37.82017 39.71118 41.69674 43.78158 45.97066 48.26919 50.68265 55.3.21678 55.87762 58.67150 61.60508 64.68533 67.91960	22.44436 23.56658 24.7491 25.96216 27.28126 28.64533 30.07759 31.58147 33.16055 38.38748 40.30685 42.32219 44.43830 46.66022 48.99323 51.44289 51.44289 54.01503 56.71579 59.55158 62.52915 65.65561 68.93839 72.38531	22.78103 23.92008 25.11608 26.37189 27.69048 29.07501 33.052876 32.05519 33.65795 33.65795 33.4085 37.10789 38.96329 40.91145 42.95703 45.10488 47.36012 49.72813 52.21453 54.82526 57.56652 60.44485 63.46709 66.64045 69.97247	23.12274 24.27888 25.49282 26.76747 28.10584 29.51113 30.98669 32.53602 34.16282 33.6796 37.66451 39.54774 41.52513 43.60138 45.78145 48.07052 50.47405 55.6476455556565656565656565656565656565656	23.46958 24.64306 25.87522 27.16988 28.52743 29.95380 31.45149 33.02406 34.67527 38.40003 38.22948 40.14095 42.14800 42.14800 44.25540 44.46817 48.79158 51.23116 53.79272 56.48235 59.30647 62.27180 65.38539 68.65465 72.08739 75.69176	25.01271 26.26335 27.57651 28.95534 31.92326 33.51942 35.19539 36.95516 38.80292 40.74307 42.78022 40.74307 42.78022 44.91923 47.16520 49.52345 51.99963 54.59961 57.32959 60.19607 63.20587 66.36617 69.68447 73.16870	24.17895 25.38790 26.65730 27.99016 29.38867 30.85915 32.40211 34.02221 35.72333 37.50949 39.38497 41.35421 43.42193 43.42193 43.42193 43.42193 45.59302 47.87267 50.26631 52.77962 55.41860 58.18953 61.09901 64.15396 67.36166 70.72974 74.26623 77.97954	25.76872 27.05716 28.41001 29.83051 31.32204 32.88814 34.53255 36.25918 38.07213 39.97574 41.97453 44.07325 46.27692 48.59076 51.02030 53.57132 56.24988 59.06238 62.01549 65.11627 66.37208 71.79069 75.38638	24.90976 26.15525 27.46301 28.83616 30.27797 31.79187 33.38146 35.05054 36.80306 38.64322 40.57538 42.60415 44.73435 42.67415 44.73435 46.97107 49.31962 51.78561 54.37489 57.09363 59.94831 62.94573 66.09301 69.39766 72.86755 76.51717 80.33447	25.28341 26.54758 27.87496 29.26871 30.73214 32.26875 33.88219 35.57629 37.35511 39.22286 41.18401 43.24221 43.24221 43.24221 43.24221 43.24221 50.05942 55.19051 57.95003 55.19051 57.95003 55.19051 57.95003 56.084754 63.88991 67.08441 77.43863 77.43863 77.96056	25.66266 26.94579 28.29308 29.70774 31.19312 32.75278 34.39042 36.10994 37.91544 39.81121 41.80177 43.89186 46.08645 48.39077 50.81031 55.35063 56.81037 56.81029 61.76025 64.84826 68.09068 71.49521 75.86997 78.82990 82.76644	20.04760 27.34998 28.71748 30.15335 31.66102 33.24407 34.90627 36.65159 38.48417 44.5023 44.45672 36.48417 44.57775 49.11663 51.57246 45.15109 56.85864 59.70157 26.88665 65.82099 69.11204 72.56764 76.19602 80.01235 80.01235	26.43831 27.76023 29.14824 30.60565 32.13593 33.74273 35.42987 37.20136 39.06143 41.01450 43.06523 45.21849 47.47941 49.85338 52.34605 54.96335 57.71152 60.59710 63.62695 68.8030 70.14872 77.365615 77.33896 81.21254	26.83489 28.17663 29.58546 31.06474 32.61797 34.24887 35.96132 37.75938 39.64735 41.62972 43.71120 45.89676 48.19160 55.60718 55.78780 55.78780 55.78780 55.78780 64.58136 67.81043 71.20095 77.476099 78.49904 82.43072	27.23741 28.59928 30.02925 31.53071 33.10724 34.76261 38.32577 40.24206 42.25416 44.3687 46.58522 42.25416 44.3687 46.58525 53.92821 48.91448 51.3020 53.92821 66.62462 59.455508 68.82758 72.88565 68.82758 72.88563 83.66718 33.67613 83.66754 33.7454337	105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129
105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130	17.16795 18.02635 18.92767 18.87405 20.86775 21.91114 23.006770 24.15703 25.36489 26.63313 27.96479 29.36333 27.96479 29.36333 30.83118 32.37274 33.39137 35.68094 37.47549 39.34926 41.31673 41.31673 41.31673 41.31673 41.31675 41.31673 41.31674 41.31673 41.31674 41.31673 41.31674 41.31	18.29675 19.21158 20.17216 21.18077 22.23981 23.35180 25.74536 27.03263 28.38426 29.80347 31.29364 29.80347 31.29364 34.50124 36.22631 39.3950 41.193648 44.03330 46.23497 48.54671 48.54671 53.52275 56.194893 59.00883	17.68685 18.57120 19.49976 20.47474 21.49848 22.57341 23.70208 24.88718 26.13154 27.43812 28.81002 30.25052 31.76305 33.35120 33.05176 33.05176 33.05176 33.05176 33.0552 44.69380 46.92849 49.27491 51.73866 54.32559 57.04187 55.89397	18.84977 19.79225 20.78187 21.82096 22.91201 25.26049 26.52351 27.84969 29.24217 30.70428 32.23950 33.85147 35.54404 37.32125 39.18731 41.14667 43.20401 45.36421 45.364	19.13251 20.08914 21.09359 22.14827 23.25569 24.41847 25.63940 26.92137 28.26743 29.68081 31.16485 32.72309 34.35924 36.07720 37.88106 39.77512 41.76387 43.85207 43.85207 46.04467 48.34690 50.76425 53.30246 55.96758 58.76596 61.70426	19.41950 20.39047 21.41000 22.48050 22.60452 24.78475 26.02399 27.32519 28.69144 30.12602 31.63232 33.21393 34.87463 36.61836 38.44928 40.37174 42.39033 44.50985 44.53534 49.07211 51.52571 54.10200 58.60710 59.64745 62.62983	18.77218 19.71079 20.69633 21.73115 22.81771 23.95859 25.15652 26.41435 27.73506 29.12182 30.57791 32.10680 33.71214 35.39775 37.16764 39.02602 40.97732 43.02619 45.17750 47.43637 49.80819 52.29860 54.91353 57.65921 60.54217 63.56927	19.05377 20.00645 21.00678 22.05712 23.15997 24.31797 25.53387 26.81056 28.15109 29.55864 31.03658 32.58840 31.03658 32.58840 34.21783 35.92872 37.72515 39.61141 41.59198 43.67158 45.85516 48.14792 50.55531 53.08308 55.73723 58.52409 61.45030 64.52281	20.30655 21.32188 22.38797 23.50737 24.68274 25.91688 27.21272 28.57336 30.00202 31.50212 33.07723 34.73109 36.46765 38.29103 44.20558 42.21586 44.32665 44.54299 48.87013 51.31364 53.87932 56.57329 55.40195 62.37205	19.62967 20.61115 21.64171 23.85998 25.05298 26.03663 27.62091 29.00196 30.45205 31.97466 33.57339 35.25206 37.01466 38.86539 40.03066 42.84910 44.99155 47.24113 49.60319 52.08335 54.86751 44.8751 54.86751 54.86751 54.86751	19.92411 20.92032 21.96633 23.06465 24.21788 25.42877 26.70021 28.03522 29.43699 30.90883 32.45428 34.07699 35.78084 37.56988 39.44838 41.42079 43.49183 45.66643 41.42079 43.49183 45.66643 47.94975 50.34723 55.50783 55.50783 55.50783 55.28322 61.19738 64.25725 67.47011	21.23412 22.2983 23.41062 24.58115 25.81021 27.10072 28.45575 29.87854 31.37247 32.94109 34.58815 36.31755 38.13343 40.04010 42.04211 44.14421 44.366899 51.10244 53.65757 56.34044 59.15747 62.11534 65.22111	0.52632 21.55263 22.63026 23.76178 24.94987 26.19736 27.50723 28.88259 30.32672 31.84305 31.44305 31.44305 31.44305 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60.69466 60.69466 60.69466 60.79399 66.91586 70.26165 70.26165	23.21831 24.37922 25.59818 26.87809 28.22200 29.63310 31.11475 32.67049 34.30401 36.01921 37.82017 39.71118 41.69674 43.78158 45.97066 48.26919 50.68265 53.21678 55.87762 57.87585 57.875855 57.87585555555555	22.44436 23.56658 24.74491 25.98216 27.28126 27.28126 28.64533 30.07759 31.58147 33.16055 34.81857 36.55950 38.38748 40.30685 42.32219 44.43830 44.43830 46.66022 48.99323 51.44289 51.44289 55.401503 56.71579 59.55158 62.52915 66.55561 68.93839 72.38531 76.00458	22.78103 23.92008 25.11608 26.37189 27.69048 29.07501 30.52876 32.05519 33.65795 35.34085 37.10789 38.96329 40.91145 42.95703 45.10488 47.36012 49.72813 52.21453 54.82526 57.56652 60.44485 63.46709 66.64045 69.97247 73.47109 77.14465	23.12274 24.27888 25.49282 26.76747 28.10584 29.51113 30.98669 32.53602 34.16282 33.87096 37.66451 39.54774 41.52513 43.60138 45.78145 48.07052 50.47405 55.64764 58.43002 61.35152 64.41910 67.64005 71.02206 74.57316 78.30182	23.46958 24.64306 25.87522 27.16988 28.52743 29.95380 31.45149 33.02406 34.67527 36.40903 38.22948 40.14095 42.14800 44.25540 44.425540 44.25540 44.25540 45.38517 56.48235 59.30647 62.27180 65.38539 68.65465 72.08739 75.69176 79.47634	25.01271 26.26335 27.57651 28.95534 30.40311 31.92326 33.51942 35.19529 36.95516 38.80292 40.74307 42.78022 44.91923 47.16520 49.52345 51.99963 54.59961 57.32959 60.19607 63.20587 66.36617 69.68447 73.16870 76.82713 80.66649	24.17895 25.38790 26.65730 27.99016 29.38967 30.85915 32.40211 35.7233 37.50949 39.38497 41.35421 43.42193 45.59302 47.87267 55.41660 55.277962 55.41660 61.09901 64.15396 67.36166 70.72974 74.26623 77.97954 81.87852	25.76872 27.05716 28.41001 29.83051 31.32204 32.88814 34.53255 36.25918 38.07213 39.97574 41.97453 44.07325 46.27692 48.59076 51.02030 53.57132 56.24988 59.06238 62.01549 65.11827 65.11827 65.11827 65.11827 71.79069 75.38638 79.14923 83.10669	24.90976 26.15525 27.46301 28.83616 30.27797 31.79187 33.38146 35.05054 36.80306 38.64322 40.57538 42.60415 44.73435 46.97107 49.31962 51.78561 54.37489 57.09363 59.94831 62.94573 66.09301 69.39766 72.86755 76.51717 80.33647 84.35329	25.28341 26.54758 27.87496 22.6871 30.73214 32.26875 33.88219 35.57629 37.35511 33.527629 37.35511 33.527629 37.35511 33.22286 41.18401 43.24321 45.40537 47.67564 45.40537 47.67564 50.05942 52.56239 55.19051 57.95003 60.84754 63.88991 67.048463 77.96056 77.043863 77.96056 77.043863 81.54152 81.54152	25.66266 26.94579 28.29308 29.70774 31.19312 32.75278 34.39042 36.10994 37.91544 39.81121 41.80177 43.89186 46.08645 48.39077 50.81031 55.35083 56.01837 58.81929 61.76025 64.84826 68.09068 71.49521 75.66997 78.82990 82.76464 86.90287	20.04760 27.34998 28.71748 30.15335 31.66102 33.24407 34.90627 36.65159 38.48417 40.40838 42.42879 44.55023 44.55023 44.57075 49.11663 51.57240 56.85864 59.70157 62.88665 65.82099 69.11204 72.56764 72.56764 80.01235 84.00612	26.43831 27.76023 29.14824 30.60565 32.13593 33.74273 35.42987 37.20136 39.06143 41.01450 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| 36,780.62 | 37,332.33 | 37,892.31 | 38,460.70 | 39,037.61
 | 39,623.17 | 40,217.52 | 40,820.78 | 41,433.10 | 42,054.59
 | 42,685.41 | 43,325.69 | 43,975.58 | 44,635.21 | 45,304.74 | 45,984.31 | 46,674.08 | 47,374.19 | 48,084.80
 | 48,806.07 | 49,538.16 | 50,281.23 | 51,035.45 | 51,800.99
 | 52,578.00 | 53,366.67 | 54,167.17 | 54,979.68 | 55,804.37 | 56,641.44 | 57,491.06 | 58,353.43
 |
| 38,619.65 | 39,198.95 | 39,786.93 | 40,383.73 | 40,989.49
 | 41,604.33 | 42,228.40 | 42,861.82 | 43,504.75 | 44,157.32
 | 44,819.68 | 45,491.98 | 46,174.36 | 46,866.97 | 47,569.98 | 48,283.53 | 49,007.78 | 49,742.90 | 50,489.04
 | 51,246.37 | 52,015.07 | 52,795.30 | 53,587.23 | 54,391.03
 | 55,206.90 | 56,035.00 | 56,875.53 | 57,728.66 | 58,594.59 | 59,473.51 | 60,365.61 | 61,271.10
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| 40,550.63 | 41,158.89 | 41,776.28 | 42,402.92 | 43,038.96
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 | 53,808.69 | 54,615.82 | 55,435.06 | 56,266.59 | 57,110.59
 | 57,967.25 | 58,836.75 | 59,719.30 | 60,615.09 | 61,524.32 | 62,447.19 | 63,383.89 | 64,334.65
 |
| 42,578.17 | 43,216.84 | 43,865.09 | 44,523.07 | 45,190.91
 | 45,868.78 | 46,556.81 | 47,255.16 | 47,963.99 | 48,683.45
 | 49,413.70 | 50,154.90 | 50,907.23 | 51,670.84 | 52,445.90 | 53,232.59 | 54,031.08 | 54,841.54 | 55,664.17
 | 56,499.13 | 57,346.62 | 58,206.81 | 59,079.92 | 59,966.12
 | 60,865.61 | 61,778.59 | 62,705.27 | 63,645.85 | 64,600.54 | 65,569.55 | 66,553.09 | 67,551.38
 |
| 44,707.07 | 45,377.68 | 46,058.35 | 46,749.22 | 47,450.46
 | 48,162.22 | 48,884.65 | 49,617.92 | 50,362.19 | 51,117.62
 | 51,884.38 | 52,662.65 | 53,452.59 | 54,254.38 | 55,068.19 | 55,894.22 | 56,732.63 | 57,583.62 | 58,447.37
 | 59,324.08 | 60,213.95 | 61,117.16 | 62,033.91 | 62,964.42
 | 63,908.89 | 64,867.52 | 65,840.53 | 66,828.14 | 67,830.56 | 68,848.02 | 69,880.74 | 70,928.95
 |
| 46,942.43 | 47,646.56 | 48,361.26 | 49,086.68 | 49,822.98
 | 50,570.33 | 51,328.88 | 52,098.81 | 52,880.30 | 53,673.50
 | 54,478.60 | 55,295.78 | 56,125.22 | 56,967.10 | 57,821.60 | 58,688.93 | 59,569.26 | 60,462.80 | 61,369.74
 | 62,290.29 | 63,224.64 | 64,173.01 | 65,135.61 | 66,112.64
 | 67,104.33 | 68,110.90 | 69,132.56 | 70,169.55 | 71,222.09 | 72,290.42 | 73,374.78 | 74,475.40
 |
| 49,289.55 | 50,028.89 | 50,779.33 | 51,541.02 | 52,314.13
 | 53,098.84 | 53,895.33 | 54,703.75 | 55,524.31 | 56,357.18
 | 57,202.53 | 58,060.57 | 58,931.48 | 59,815.45 | 60,712.68 | 61,623.37 | 62,547.73 | 63,485.94 | 64,438.23
 | 65,404.80 | 66,385.88 | 67,381.66 | 68,392.39 | 69,418.27
 | 70,459.55 | 71,516.44 | 72,589.19 | 73,678.03 | 74,783.20 | 75,904.94 | 77,043.52 | 78,199.17
 |
| 51,754.03 | 52,530.34 | 53,318.29 | 54,118.07 | 54,929.84
 | 55,753.78 | 56,590.09 | 57,438.94 | 58,300.53 | 59,175.03
 | 60,062.66 | 60,963.60 | 61,878.05 | 62,806.23 | 63,748.32 | 64,704.54 | 65,675.11 | 66,660.24 | 67,660.14
 | 68,675.04 | 69,705.17 | 70,750.75 | 71,812.01 | 72,889.19
 | 73,982.53 | 75,092.26 | 76,218.65 | 77,361.93 | 78,522.36 | 79,700.19 | 80,895.69 | 82,109.13
 |
| 54,341.73 | 55,156.85 | 55,984.21 | 56,823.97 | 57,676.33
 | 58,541.47 | 59,419.60 | 60,310.89 | 61,215.55 | 62,133.79
 | 63,065.79 | 64,011.78 | 64,971.96 | 65,946.54 | 66,935.73 | 67,939.77 | 68,958.87 | 69,993.25 | 71,043.15
 | 72,108.80 | 73,190.43 | 74,288.28 | 75,402.61 | 76,533.65
 | 77,681.65 | 78,846.88 | 80,029.58 | 81,230.02 | 82,448.47 | 83,685.20 | 84,940.48 | 86,214.59
 |
| 57,058.81 | 57,914.70 | 58,783.42 | 59,665.17 | 60,560.15
 | 61,468.55 | 62,390.58 | 63,326.43 | 64,276.33 | 65,240.48
 | 66,219.08 | 67,212.37 | 68,220.55 | 69,243.86 | 70,282.52 | 71,336.76 | 72,406.81 | 73,492.91 | 74,595.31
 | 75,714.24 | 76,849.95 | 78,002.70 | 79,172.74 | 80,360.33
 | 81,565.73 | 82,789.22 | 84,031.06 | 85,291.53 | 86,570.90 | 87,869.46 | 89,187.50 | 90,525.32
 |
| 59,911.75 | 60,810.43 | 61,722.59 | 62,648.43 | 63,588.15
 | 64,541.97 | 65,510.10 | 66,492.76 | 67,490.15 | 68,502.50
 | 69,530.04 | 70,572.99 | 71,631.58 | 72,706.06 | 73,796.65 | 74,903.60 | 76,027.15 | 77,167.56 | 78,325.07
 | 79,499.95 | 80,692.45 | 81,902.83 | 83,131.38 | 84,378.35
 | 85,644.02 | 86,928.68 | 88,232.61 | 89,556.10 | 90,899.44 | 92,262.93 | 93,646.88 | 95,051.58
 |
| 62,907.34 | 63,850.95 | 64,808.72 | 65,780.85 | 66,767.56
 | 67,769.07 | 68,785.61 | 69,817.39 | 70,864.65 | 71,927.62
 | 73,006.54 | 74,101.64 | 75,213.16 | 76,341.36 | 77,486.48 | 78,648.78 | 79,828.51 | 81,025.94 | 82,241.32
 | 83,474.94 | 84,727.07 | 85,997.98 | 87,287.94 | 88,597.26
 | 89,926.22 | 91,275.12 | 92,644.24 | 94,033.91 | 95,444.42 | 96,876.08 | 98,329.22 | 99,804.16
 |
| 66,052.71 | 67,043.50 | 68,049.15 | 69,069.89 | 70,105.94
 | 71,157.53 | 72,224.89 | 73,308.26 | 74,407.89 | 75,524.01
 | 76,656.87 | 77,806.72 | 78,973.82 | 80,158.43 | 81,360.80 | 82,581.22 | 83,819.93 | 85,077.23 | 86,353.39
 | 87,648.69 | 88,963.42 | 90,297.87 | 91,652.34 | 93,027.13
 | 94,422.53 | 95,838.87 | 97,276.45 | 98,735.60 | 100,216.64 | 101,719.89 | 103,245.68 | 104,794.37
 |
| 69,355.34 | 70,395.68 | 71,451.61 | 72,523.38 | 73,611.24
 | 74,715.40 | 75,836.13 | 76,973.68 | 78,128.28 | 79,300.21
 | 80,489.71 | 81,697.05 | 82,922.51 | 84,166.35 | 85,428.84 | 86,710.28 | 88,010.93 | 89,331.09 | 90,671.06
 | 92,031.13 | 93,411.59 | 94,812.77 | 96,234.96 | 97,678.48
 | 99,143.66 | 100,630.82 | 102,140.28 | 103,672.38 | 105,227.47 | 106,805.88 | 108,407.97 | 110,034.09
 |
| 72,823,11 | 73,915,46 | 75.024.19 | 76,149,55 | 77,291,80
 | 78,451,17 | 79.627.94 | 80.822.36 | 82.034.70 | 83,265,22
 | 84,514,19 | 85,781,91 | 87.068.64 | 88.374.67 | 89,700,29 | 91.045.79 | 92 411 48 | 93,797,65 | 95,204,61
 | 96.632.68 | 98.082.17 | 99.553.41 | 101.046.71 | 102,562,41
 | 104,100,84 | 105.662.36 | 107.247.29 | 108.856.00 | 110.488.84 | 112,146,17 | 113 828 37 | 115 535 79
 |
| 76,464.27 | 77,611.23 | 78,775.40 | 79,957.03 | 81,156.39
 | 82,373.73 | 83,609.34 | 84,863.48 | 86,136.43 | 87,428.48
 | 88,739.90 | 90,071.00 | 91,422.07 | 92,793.40 | 94,185.30 | 95,598.08 | 97,032.05 | 98,487.53 | 99,964.84
 | 101,464.32 | 102,986.28 | 104,531.08 | 106,099.04 | 107,690.53
 | 109,305.89 | 110,945.47 | 112,609.66 | 114,298.80 | 116,013.28 | 117,753.48 | 119,519.78 | 121,312.58
 |
| 80.287.48 | 81.491.79 | 82.714.17 | 83.954.88 | 85.214.21
 | 86,492,42 | 87.789.81 | 89,106.65 | 90.443.25 | 91,799,90
 | 93,176,90 | 94.574.55 | 95,993,17 | 97,433.07 | 98.894.57 | 100.377.98 | 101,883.65 | 103.411.91 | 104.963.09
 | 106.537.53 | 108,135.60 | 109,757.63 | 111.403.99 | ,
 | , | | 118,240.14 | ,====== | 121.813.95 | 123.641.16 | 125,495,77 | 127.378.21
 |
| 84,301,86 | 85,566,38 | 86,849,88 | 88,152,63 | 89,474,92
 | 90.817.04 | 92,179,30 | 93,561,99 | 94,965,41 | 96,389,90
 | 97,835,74 | 99,303.28 | 100,792.83 | 102,304,72 | 103,839,29 | 105,396,88 | 106.977.84 | 108,582,50 | 110,211,24
 | 111,864.41 | 113,542.38 | 115,245.51 | 116,974,19 | 118,728,81
 | 120,509,74 | 122.317.39 | 124,152,15 | 126,014,43 | 127,904,64 | 129,823,21 | 131,770,56 | 133,747,12
 |
| 88,516,95 | 89 844 70 | 91,192,37 | 92 560 26 | 93 948 66
 | 95,357,89 | 96 788 26 | 98,240.08 | 99.713.69 | 101.209.39
 | 102.727.53 | | | 107 419 96 | 109.031.26 | 110 666 73 | 112.326.73 | 114.011.63 | 115,721.80
 | 117 457 63 | 119,219,49 | | 122.822.90 | 124.665.25
 | 126,535.23 | , | 130 359 75 | , | 134 299 88 | 136 314 37 | 138,359,09 | 140 434 48
 |
| 92,942,80 | 94,336,94 | 95,751.99 | 92,560.26 | 93,948.00
 | | 101,627.67 | 103,152.09 | 104,699.37 | 106,269.86
 | 102,727.53 | . , | | 101,110.00 | 114,482.82 | 116,200.06 | | 119,712.21 | 121,507.89
 | 123,330.51 | 125,180.47 | | 122,822.90 | 124,005.25
 | 120,555.25 | 126,455.25 | 136,877,74 | 138,930,91 | 141.014.87 | 143,130,09 | 145,277.05 | 140,454.46
 |
92,942.80	94,336.94		97,188.27				
 | | | | |
 | | | | | | | | |
 | 123,330.51 | | | |
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 |
| | | , | |
 | | 106,709.06 | 108,309.69 | | 111,583.35
 | | | | | | 122,010.07 | | 125,697.82 | ,
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 | | 141,597.66 | | | 148,065.61 | | |
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| 102,469.43 | 104,006.47 | 100,000.01 | 107,150.07 | 108,757.32
 | 110,388.68 | 112,044.51 | 113,725.18 | -1 | 117,162.52
 | -1 | 120,703.76 | 11 1 | 1 | | | | 131,982.71 | 133,962.45
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 | 146,480.34 | 148,677.55 | 150,907.71 | 153,171.33 | 155,468.89 | 101,000.00 | 160,167.94 | 162,570.46
 |
| 107,592.90 | 109,206.80 | 110,844.90 | | 1
 | 115,908.11 | 117,646.74 | 119,411.44 | | | | | |
 | 124,865.96 | | | | | 134,516.10 | | 138,581.85 |
 | | | 147,085.72 | |
 | 153,804.36 | | 158,453.09 | 160,829.89 | | | 168,176.34 | 170,698.98
 |
| 112,972.55 | 114,667.14 | 116,387.14 | | 119,904.95
 | 121,703.52 | 123,529.07 | 125,382.01 | 127,262.74 |
 | 131,109.25 | | 135,072.03 | 137,098.11 | 139,154.58 | 141,241.90 | 143,360.53 | 145,510.94 | 147,693.60
 | 149,909.01 | 152,157.64 | | 156,756.61 | 159,107.96
 | 156,803.66 | 159,155.71 | 161,543.05 | 163,966.20 | 166,425.69 | 168,922.07 | 171,455.91 | 174,027.74
 |
| 118,621.18 | 120,400.49 | 122,206.50 | 124,039.60 | 125,900.19
 | 127,788.70 | 129,705.53 | 131,651.11 | 133,625.88 | 135,630.26
 | 137,664.72 | 139,729.69 | 141,825.63 | 143,953.02 | 146,112.31 | 148,304.00 | 150,528.56 | 152,786.49 | 155,078.28
 | 157,404.46 | 159,765.52 | 162,162.01 | 164,594.44 | 167,063.35
 | 169,569.30 | 172,112.84 | 174,694.54 | 177,314.96 | 179,974.68 | 182,674.30 | 185,414.41 | 188,195.63
 |
| 124,552.23 | 126,420.52 | 128,316.83 | 130,241.58 | 132,195.20
 | 134,178.13 | 136,190.80 | 138,233.66 | 140,307.17 | 142,411.78
 | 144,547.95 | 146,716.17 | 148,916.92 | 151,150.67 | 153,417.93 | 155,719.20 | 158,054.99 | 160,425.81 | 162,832.20
 | 165,274.68 | 167,753.80 | 170,270.11 | 172,824.16 | 175,416.52
 | 178,047.77 | 180,718.49 | 183,429.26 | 186,180.70 | 188,973.41 | 191,808.01 | 194,685.13 | 197,605.41
 |
| 130,779.85 | 132,741.54 | 134,732.67 | 136,753.66 | 138,804.96
 | 140,887.04 | 143,000.34 | 145,145.35 | 147,322.53 | 149,532.37
 | 151,775.35 | 154,051.98 | 156,362.76 | 158,708.20 | 161,088.83 | 163,505.16 | 165,957.74 | 168,447.10 | 170,973.81
 | 173,538.42 | 176,141.49 | 178,783.61 | 181,465.37 | 184,187.35
 | 186,950.16 | 189,754.41 | 192,600.73 | 195,489.74 | 198,422.08 | 201,398.42 | 204,419.39 | 207,485.68
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| 137,318.84
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 | 147,931.39
155,327.96 | , | | | | | | |
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180,264.44 | | |
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228,752.96
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 | 1 | , | | | | | | |
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 |
| | 100,010.02 | 111,100.00 | | 11 1
 | 1 | , | | | | | | |
 | | | | | | | | |
 | | | | |
 | | | | | | | | 211,000.01
 |
| 144,184.78 | 100,010.02 | 148,542.77 | 150,770.91 | 11 1
 | 1 | 157,657.88 | 160,022.75 | |
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 | | 194,195.99 | | 200,065.57 | 203,066.55
X
 | | 209,204.24 | 212,342.30 | 215,527.44 | 218,760.35 | 222,041.75 | 225,372.38 | 228,752.96
 |
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D | 153,032.47
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J
 | 167,332.32
K | 169,842.31
L | 172,389.94
M | 174,975.79
N | 177,600.43
O | 180,264.44
STE
P | 182,968.40 | 185,712.93
R | 188,498.62
S
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T | 194,195.99
U | 197,108.93
V | 200,065.57
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X
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Z | 212,342.30
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105	37,332,33	37,892,31	38,460,70	39.037.61	39.623.17	F 40.217.52	40.820.78	41.433.10	42.054.59	42.685.41	43.325.69	43.975.58	44.635.21	45.304.74	•		~	48.084.80	48.806.07	49.538.16	50.281.23	51.035.45	51.800.98	A 52,578.00	53,366,67	54.167.17	54,979,68	55.804.37	56.641.44	57.491.06	58.353.43	59.228.73	105
106	39,198.95	39,786.93	40,383.73	40,989.49	41,604.33	42,228.40	42,861.82	43,504.75	44,157.32	44,819.68	45,491.98	46,174.36	46,866.97	47,569.98	48,283.53	49,007.78	49,742.90	50,489.04	51,246.37	52,015.07	52,795.30	53,587.23	54,391.03	55,206.90	56,035.00	56,875.53	57,728.66	58,594.59	59,473.51	60,365.61	61,271.10	62,190.16	106
107	41,158.89	41,776.28	42,402.92	43,038.96	43,684.55	44,339.82	45,004.91	45,679.99	46,365.19	47,060.67	47,766.58	48,483.07	49,210.32	49,948.48		51,458.17	52,230.04	53,013.49	53,808.69	54,615.82	55,435.06	56,266.59	57,110.59	57,967.24	58,836.75	59,719.30	60,615.09	61,524.32	62,447.19	63,383.89	64,334.65	65,299.67	107
108	43,216.84	43,865.09	44,523.07	45,190.91	45,868.78		47,255.16	47,963.99	48,683.45	49,413.70	50,154.90	50,907.23	51,670.84	52,445.90	53,232.59		54,841.54	55,664.17	56,499.13	57,346.62	58,206.81	59,079.92	59,966.12	60,865.61	61,778.59	62,705.27	63,645.85	64,600.54	65,569.54	66,553.09	67,551.38	68,564.65	108
109	45,377.68	46,058.34 48,361.26	46,749.22 49.086.68	47,450.46 49,822.98	48,162.22 50.570.33	48,884.65 51,328.88	49,617.92 52.098.81	50,362.19 52,880.30	51,117.62 53.673.50	51,884.38 54,478.60	52,662.65 55,295,78	53,452.59 56,125,22	54,254.38 56,967,10	55,068.19 57.821.60			57,583.62 60.462.80	58,447.37 61.369.74	59,324.08 62,290,29	60,213.95 63,224,64	61,117.15 64,173.01	62,033.91 65.135.61	62,964.42 66.112.64	63,908.89 67.104.33	64,867.52 68,110.90	65,840.53 69,132.56	66,828.14 70,169,55	67,830.56 71,222.09	68,848.02 72,290.42	69,880.74 73,374,78	70,928.95 74,475.40	71,992.89	109 110
111	50.028.89	50,779,33	49,080.08 51.541.02	52,314,13	53.098.84	53.895.32	54,703,75	55,524,31	56.357.18	57,202,53	58.060.57	58,931,48	59,815,45	60,712,68	61.623.37	62.547.72	63,485,94	64,438,23	65 404 80	66.385.88	67.381.66	68.392.39	69.418.27	70,459,55	71.516.44	72,589,19	73,678,03	74,783.20	75,904,94	77.043.52	78,199,17	79,372,16	111
112	52,530.34	53,318.29	54,118.07	54,929.84	55,753.78	56,590.09	57,438.94	58,300.53	59,175.03	60,062.66	60,963.60	61,878.05	62,806.22	63,748.32	64,704.54	65,675.11	66,660.24	67,660.14	68,675.04	69,705.17	70,750.75	71,812.01	72,889.19	73,982.53	75,092.26	76,218.65	77,361.93	78,522.36	79,700.19	80,895.69	82,109.13	83,340.77	112
113	55,156.85	55,984.21	56,823.97	57,676.33	58,541.47	59,419.60	60,310.89	61,215.55	62,133.79	63,065.79	64,011.78	64,971.96	65,946.54	66,935.73	67,939.77	68,958.87	69,993.25	71,043.15	72,108.80	73,190.43	74,288.28	75,402.61	76,533.65	77,681.65	78,846.88	80,029.58	81,230.02	82,448.47	83,685.20	84,940.48	86,214.59	87,507.80	113
114	57,914.70	58,783.42	59,665.17	60,560.15	61,468.55	62,390.58	63,326.43		65,240.48	66,219.08	67,212.37	68,220.55	69,243.86	70,282.52			73,492.91	74,595.31	75,714.24	76,849.95	78,002.70	79,172.74	80,360.33	81,565.73	82,789.22	84,031.06	85,291.52		87,869.46	89,187.50	90,525.32	91,883.20	114
115	60,810.43 63,850,95	61,722.59 64 808 72	62,648.43	63,588.15 66 767 56	64,541.97 67 769 07	65,510.10 68 785 61	66,492.76 69,817,39	67,490.15 70 864 65	68,502.50	69,530.04	70,572.99	71,631.58	72,706.06	73,796.65 77 486 48	74,903.60	76,027.15	77,167.56	78,325.07	79,499.95	80,692.45	81,902.83 85 997 97	83,131.38	84,378.35	85,644.02	86,928.68	88,232.61	89,556.10 94,033,91	90,899.44 95 444 41	92,262.93	93,646.88 98,329,22	95,051.58 99,804,16	96,477.35 101.301.22	115
116 117	63,850.95 67,043.50	64,808.72 68.049.15	65,780.85 69.069.89	70,105,94	67,769.07 71,157.53	68,785.61 72,224.89	69,817.39 73,308.26	70,864.65	71,927.62 75,524.01	73,006.54 76,656.87	74,101.64 77,806.72	75,213.16 78,973.82	76,341.36 80,158.43	77,486.48 81,360.80	78,648.78 82,581.22	79,828.51 83,819.93	81,025.94 85,077.23	82,241.32 86,353.39	83,474.94 87,648.69	84,727.07 88,963.42	85,997.97 90,297.87	87,287.94 91,652.34	88,597.26 93,027.13	89,926.22 94,422.53	91,275.12 95,838.87	92,644.24 97,276.45	94,033.91 98,735.60	00,111.11	96,876.08 101,719.88	98,329.22	99,804.16 104,794.37	101,301.22	116
118	70.395.67	71.451.61	72,523,38	73,611,23	74,715,40	75,836,13	76,973,68	78,128,28	79,300,21	80 489 71	81.697.05	82,922.51	84,166,35	85,428,84	86,710.28		89.331.09	90,671.06	92.031.13	93 411 59	94.812.77	96,234,96	97.678.48	99.143.66	100.630.81	102,140.28	103.672.38	105,227,47	106.805.88	108,407,97	110 034 09	111.684.60	118
119	73,915.46	75,024.19	76,149.55	77,291.80	78,451.17	79,627.94	80,822.36	82,034.70	83,265.22	84,514.19	85,781.91	87,068.64	88,374.67	89,700.29		92,411.48	93,797.65	95,204.61	96,632.68	98,082.17	99,553.41	101,046.71	102,562.41	104,100.84	105,662.36	107,247.29	108,856.00	110,488.84	112,146.17	113,828.37	115,535.79	117,268.83	119
120	77,611.23	78,775.40	79,957.03	81,156.39	82,373.73	83,609.34	84,863.48	86,136.43	87,428.48	88,739.90	90,071.00	91,422.07	92,793.40	94,185.30	95,598.08	97,032.05	98,487.53	99,964.84	101,464.32	102,986.28	104,531.08	106,099.04	107,690.53	109,305.89	110,945.47	112,609.66	114,298.80	116,013.28	117,753.48	119,519.78	121,312.58	123,132.27	120
121	81,491.79	82,714.17	83,954.88	85,214.21	86,492.42	87,789.80	89,106.65	90,443.25	91,799.90	93,176.90	94,574.55	95,993.17	97,433.07	98,894.56		101,883.65	103,411.91	104,963.09	106,537.53	108,135.60	109,757.63		113,075.05	114,771.18		118,240.14	120,013.74		123,641.16	125,495.77	127,378.21	129,288.88	121
122	85,566.38	86,849.88	88,152.63	89,474.92	90,817.04	92,179.30	93,561.98	94,965.41	96,389.90	97,835.74	99,303.28	100,792.83	102,304.72				108,582.50	110,211.24	111,864.41	113,542.38	115,245.51	116,974.19	118,728.81	120,509.74	122,317.38	124,152.15	126,014.43	1	129,823.21	131,770.56	133,747.12	135,753.33	122
123 124	89,844.70 94,336,94	91,192.37 95.751.99	92,560.26 97.188.27	93,948.66 98.646.09	95,357.89 100.125.79	96,788.26 101.627.67	98,240.08 103,152.09		101,209.39 106,269.86	102,727.53 107,863.91		105,832.47 111,124.09	107,419.96 112,790.96		110,666.73 116,200.06	112,326.73 117,943.06	114,011.63 119,712.21	115,721.80 121,507.89	117,457.63 123,330.51	119,219.49 125,180.47	121,007.79 127,058.18		124,665.25 130,898.51	126,535.23 132,861.99		130,359.75 136,877.74	132,315.15 138,930.91	134,299.88 141,014.87	136,314.37 143.130.09	138,359.09 145,277.04	140,434.48 147.456.20	142,540.99 149,668,04	123 124
124	99,053,78	100,539.59									114,955.96		118,430.50		122,010.07		125,697.82				133,411.08			139,505.09		143,721.63		141,014.87	-1		154 829.01	157,151,45	124
126	104.006.47	105,566,57	107.150.07	108,757.32	110.388.68	112.044.51		115,431.05		118,919.96		122,514.31	124,352.03					133,962.45			140,081.64				148.677.55	150,907.71			157.800.93	160,167,94	162,570,46	165,009,02	126
127	109,206.80	110,844.90	112,507.57	114,195.19	115,908.11	117,646.73	119,411.44	121,202.61		124,865.96			130,569.63		134,516.10		138,581.85	140,660.57	142,770.48			149,292.01	151,531.39	153,804.36	156,111.42		160,829.89	163,242.34	165,690.97	168,176.34	170,698.98	173,259.47	127
128	114,667.14	116,387.14	118,132.95	119,904.94	121,703.52	123,529.07	125,382.01	127,262.74	129,171.68	131,109.25	133,075.89	135,072.03	137,098.11	139,154.58	141,241.90	143,360.53	145,510.94	147,693.60	149,909.01	152,157.64	154,440.01	156,756.61	159,107.96	161,494.58	156,803.66	159,155.71	161,543.05	163,966.20	166,425.69	168,922.07	171,455.91	174,027.74	128
129	120,400.49	122,206.50	124,039.60	125,900.19	127,788.69	129,705.53		,	135,630.26		139,729.69		143,953.02				152,786.49	155,078.28	157,404.46		162,162.01		167,063.35		172,112.84	174,694.54	177,314.95		182,674.30	185,414.41	188,195.63	191,018.56	129
130	126,420.52	128,316.83	130,241.58	132,195.20	134,178.13		138,233.66	140,307.17	142,411.78	144,547.95	146,716.17	148,916.91	151,150.67			158,054.99	160,425.81	162,832.20	165,274.68		170,270.11	172,824.16	175,416.52	178,047.77	180,718.49	183,429.26	186,180.70		191,808.01	194,685.13	197,605.41	200,569.49	130
131 132	132,741.54 139.378.62	134,732.67 141,469.30	136,753.66 143.591.34	138,804.96 145.745.21	140,887.04	143,000.34 150.150.36	145,145.35	147,322.53 154.688.65	149,532.36 157,008.98	151,775.35 159,364.12		156,362.76			163,505.16		168,447.10 176,869.46	170,973.81 179,522.50	- /	176,141.49	178,783.61 187,722.79		184,187.35		189,754.41 199.242.13	192,600.73	195,489.74		201,398.41	204,419.39	207,485.68	210,597.97	131 132
132	139,378.62	,	143,591.34		1			162,423.09																					1	1	,		132
			<u>^</u>	_	-						K				•	ST	P			.		N.		v	v	-		40	•0	40	45	45	CRADE
	A	B	C	D	E	F	G	H	I 20.21955	J	K	L	M	N 21 78112	0	P 22.43046	Q	R	S	T	U 24 17267	V 24.52629	W	X	Y	Z	AA	AB	AC	AD	AE	AF	GRADE
105	A 17.94824 18.84565	B 18.21746 19.12833	C 18.49072 19.41526	D 18.76808 19.70649	E 19.04960 20.00208	F 19.33535 20.30211	G 19.62538 20.60665	H 19.91976 20.91575	l 20.21855 21.22948	20.52183	K 20.82966 21.87114	L 21.14210 22.19921	21.45924	N 21.78112 22.87018	0 22.10784 23.21323	P 22.43946 23.56143	Q 22.77605 23.91485	R 23.11769 24.27358	S 23.46446 24.63768	23.81642	U 24.17367 25.38235	V 24.53628 25.76309	W 24.90432 26.14954	X 25.27788 26.54178	Y 25.65705 26.93991	Z 26.04191 27.34400	AA 26.43254 27.75416	AB 26.82903 28.17048	AC 27.23146 28.59303	AD 27.63993 29.02193	AE 28.05453 29.45726	AF 28.47535 29.89912	GRADE 105 106
105 106	17.94824	18.21746	18.49072	18.76808			19.62538			20.52183	20.82966				22.10784		22.77605	23.11769	23.46446	•	24.17367			25.27788		26.04191	26.43254	26.82903	27.23146	27.63993	28.05453	28.47535	105
105 106 107	17.94824 18.84565	18.21746 19.12833	18.49072 19.41526	18.76808 19.70649	20.00208	20.30211	19.62538 20.60665	20.91575	21.22948	20.52183 21.54792	20.82966 21.87114	22.19921	21.45924 22.53220	22.87018	22.10784 23.21323	23.56143	22.77605 23.91485	23.11769 24.27358	23.46446 24.63768	23.81642 25.00725	24.17367 25.38235	25.76309	26.14954	25.27788 26.54178	26.93991	26.04191 27.34400	26.43254 27.75416	26.82903 28.17048	27.23146 28.59303	27.63993 29.02193	28.05453 29.45726	28.47535 29.89912	105 106
105 106 107 108 109	17.94824 18.84565 19.78793 20.77733 21.81619	18.21746 19.12833 20.08475 21.08899 22.14343	18.49072 19.41526 20.38602 21.40532 22.47559	18.76808 19.70649 20.69181 21.72640 22.81272	20.00208 21.00219 22.05230 23.15491	20.30211 21.31722 22.38308 23.50223	19.62538 20.60665 21.63698 22.71883 23.85477	20.91575 21.96153	21.22948 22.29096 23.40550 24.57578	20.52183 21.54792 22.62532 23.75659 24.94442	20.82966 21.87114 22.96470 24.11293 25.31858	22.19921 23.30917 24.47463 25.69836	21.45924 22.53220 23.65881 24.84175 26.08384	22.87018 24.01369	22.10784 23.21323 24.37390 25.59259 26.87222	23.56143 24.73950 25.97648 27.27530	22.77605 23.91485 25.11060 26.36613 27.68443	23.11769 24.27358 25.48726 26.76162 28.09970	23.46446 24.63768 25.86956 27.16304 28.52119	23.81642 25.00725 26.25761 27.57049 28.94901	24.17367 25.38235 26.65147 27.98405 29.38325	25.76309 27.05124 28.40381 29.82400	26.14954 27.45701 28.82986 30.27136	25.27788 26.54178 27.86887 29.26231 30.72543	26.93991 28.28690 29.70125 31.18631	26.04191 27.34400 28.71120 30.14676 31.65410	26.43254 27.75416 29.14187	26.82903 28.17048 29.57900	27.23146 28.59303 30.02269 31.52382 33.10001	27.63993 29.02193 30.47303	28.05453 29.45726 30.93012 32.47663 34.10046	28.47535 29.89912 31.39407 32.96378 34.61197	105 106 107 108 109
105 106 107 108 109 110	17.94824 18.84565 19.78793 20.77733 21.81619 22.90700	18.21746 19.12833 20.08475 21.08899 22.14343 23.25061	18.49072 19.41526 20.38602 21.40532 22.47559 23.59937	18.76808 19.70649 20.69181 21.72640 22.81272 23.95336	20.00208 21.00219 22.05230 23.15491 24.31266	20.30211 21.31722 22.38308 23.50223 24.67735	19.62538 20.60665 21.63698 22.71883 23.85477 25.04751	20.91575 21.96153 23.05961 24.21259 25.42322	21.22948 22.29096 23.40550 24.57578 25.80457	20.52183 21.54792 22.62532 23.75659 24.94442 26.19164	20.82966 21.87114 22.96470 24.11293 25.31858 26.58451	22.19921 23.30917 24.47463 25.69836 26.98328	21.45924 22.53220 23.65881 24.84175 26.08384 27.38803	22.87018 24.01369 25.21437 26.47509 27.79885	22.10784 23.21323 24.37390 25.59259 26.87222 28.21583	23.56143 24.73950 25.97648 27.27530 28.63907	22.77605 23.91485 25.11060 26.36613 27.68443 29.06865	23.11769 24.27358 25.48726 26.76162 28.09970 29.50468	23.46446 24.63768 25.86956 27.16304 28.52119 29.94725	23.81642 25.00725 26.25761 27.57049 28.94901 30.39646	24.17367 25.38235 26.65147 27.98405 29.38325 30.85241	25.76309 27.05124 28.40381 29.82400 31.31520	26.14954 27.45701 28.82986 30.27136 31.78492	25.27788 26.54178 27.86887 29.26231 30.72543 32.26170	26.93991 28.28690 29.70125 31.18631 32.74562	26.04191 27.34400 28.71120 30.14676 31.65410 33.23681	26.43254 27.75416 29.14187 30.59897 32.12891 33.73536	26.82903 28.17048 29.57900 31.05795 32.61085 34.24139	27.23146 28.59303 30.02269 31.52382 33.10001 34.75501	27.63993 29.02193 30.47303 31.99668 33.59651 35.27634	28.05453 29.45726 30.93012 32.47663 34.10046 35.80548	28.47535 29.89912 31.39407 32.96378 34.61197 36.34256	105 106 107 108 109 110
105 106 107 108 109 110 111	17.94824 18.84565 19.78793 20.77733 21.81619 22.90700 24.05235	18.21746 19.12833 20.08475 21.08899 22.14343 23.25061 24.41314	18.49072 19.41526 20.38602 21.40532 22.47559 23.59937 24.77933	18.76808 19.70649 20.69181 21.72640 22.81272 23.95336 25.15102	20.00208 21.00219 22.05230 23.15491 24.31266 25.52829	20.30211 21.31722 22.38308 23.50223 24.67735 25.91121	19.62538 20.60665 21.63698 22.71883 23.85477 25.04751 26.29988	20.91575 21.96153 23.05961 24.21259 25.42322 26.69438	21.22948 22.29096 23.40550 24.57578 25.80457 27.09480	20.52183 21.54792 22.62532 23.75659 24.94442 26.19164 27.50122	20.82966 21.87114 22.96470 24.11293 25.31858 26.58451 27.91374	22.19921 23.30917 24.47463 25.69836 26.98328 28.33244	21.45924 22.53220 23.65881 24.84175 26.08384 27.38803 28.75743	22.87018 24.01369 25.21437 26.47509 27.79885 29.18879	22.10784 23.21323 24.37390 25.59259 26.87222 28.21583 29.62662	23.56143 24.73950 25.97648 27.27530 28.63907 30.07102	22.77605 23.91485 25.11060 26.36613 27.68443 29.06865 30.52209	23.11769 24.27358 25.48726 26.76162 28.09970 29.50468 30.97992	23.46446 24.63768 25.86956 27.16304 28.52119 29.94725 31.44462	23.81642 25.00725 26.25761 27.57049 28.94901 30.39646 31.91629	24.17367 25.38235 26.65147 27.98405 29.38325 30.85241 32.39503	25.76309 27.05124 28.40381 29.82400 31.31520 32.88096	26.14954 27.45701 28.82986 30.27136 31.78492 33.37417	25.27788 26.54178 27.86887 29.26231 30.72543 32.26170 33.87478	26.93991 28.28690 29.70125 31.18631 32.74562 34.38290	26.04191 27.34400 28.71120 30.14676 31.65410 33.23681 34.89865	26.43254 27.75416 29.14187 30.59897 32.12891 33.73536 35.42213	26.82903 28.17048 29.57900 31.05795 32.61085 34.24139 35.95346	27.23146 28.59303 30.02269 31.52382 33.10001 34.75501 36.49276	27.63993 29.02193 30.47303 31.99668 33.59651 35.27634 37.04015	28.05453 29.45726 30.93012 32.47663 34.10046 35.80548 37.59576	28.47535 29.89912 31.39407 32.96378 34.61197 36.34256 38.15969	105 106 107 108 109 110 111
105 106 107 108 109 110 111 112	17.94824 18.84565 19.78793 20.77733 21.81619 22.90700 24.05235 25.25497	18.21746 19.12833 20.08475 21.08899 22.14343 23.25061 24.41314 25.63379	18.49072 19.41526 20.38602 21.40532 22.47559 23.59937 24.77933 26.01830	18.76808 19.70649 20.69181 21.72640 22.81272 23.95336 25.15102 26.40858	20.00208 21.00219 22.05230 23.15491 24.31266 25.52829 26.80470	20.30211 21.31722 22.38308 23.50223 24.67735 25.91121 27.20677	19.62538 20.60665 21.63698 22.71883 23.85477 25.04751 26.29988 27.61488	20.91575 21.96153 23.05961 24.21259 25.42322 26.69438 28.02910	21.22948 22.29096 23.40550 24.57578 25.80457 27.09480 28.44954	20.52183 21.54792 22.62532 23.75659 24.94442 26.19164 27.50122 28.87628	20.82966 21.87114 22.96470 24.11293 25.31858 26.58451 27.91374 29.30942	22.19921 23.30917 24.47463 25.69836 26.98328 28.33244 29.74906	21.45924 22.53220 23.65881 24.84175 26.08384 27.38803 28.75743 30.19530	22.87018 24.01369 25.21437 26.47509 27.79885 29.18879 30.64823	22.10784 23.21323 24.37390 25.59259 26.87222 28.21583 29.62662 31.10795	23.56143 24.73950 25.97648 27.27530 28.63907 30.07102 31.57457	22.77605 23.91485 25.11060 26.36613 27.68443 29.06865 30.52209 32.04819	23.11769 24.27358 25.48726 26.76162 28.09970 29.50468 30.97992 32.52891	23.46446 24.63768 25.86956 27.16304 28.52119 29.94725 31.44462 33.01685	23.81642 25.00725 26.25761 27.57049 28.94901 30.39646 31.91629 33.51210	24.17367 25.38235 26.65147 27.98405 29.38325 30.85241 32.39503 34.01478	25.76309 27.05124 28.40381 29.82400 31.31520 32.88096 34.52500	26.14954 27.45701 28.82986 30.27136 31.78492 33.37417 35.04288	25.27788 26.54178 27.86887 29.26231 30.72543 32.26170 33.87478 35.56852	26.93991 28.28690 29.70125 31.18631 32.74562 34.38290 36.10205	26.04191 27.34400 28.71120 30.14676 31.65410 33.23681 34.89865 36.64358	26.43254 27.75416 29.14187 30.59897 32.12891 33.73536 35.42213 37.19323	26.82903 28.17048 29.57900 31.05795 32.61085 34.24139 35.95346 37.75113	27.23146 28.59303 30.02269 31.52382 33.10001 34.75501 36.49276 38.31740	27.63993 29.02193 30.47303 31.99668 33.59651 35.27634 37.04015 38.89216	28.05453 29.45726 30.93012 32.47663 34.10046 35.80548 37.59576 39.47554	28.47535 29.89912 31.39407 32.96378 34.61197 36.34256 38.15969 40.06768	105 106 107 108 109 110 111 111
105 106 107 108 109 110 111 112 113	17.94824 18.84565 19.78793 20.77733 21.81619 22.90700 24.05235	18.21746 19.12833 20.08475 21.08899 22.14343 23.25061 24.41314	18.49072 19.41526 20.38602 21.40532 22.47559 23.59937 24.77933	18.76808 19.70649 20.69181 21.72640 22.81272 23.95336 25.15102	20.00208 21.00219 22.05230 23.15491 24.31266 25.52829	20.30211 21.31722 22.38308 23.50223 24.67735 25.91121	19.62538 20.60665 21.63698 22.71883 23.85477 25.04751 26.29988	20.91575 21.96153 23.05961 24.21259 25.42322 26.69438	21.22948 22.29096 23.40550 24.57578 25.80457 27.09480	20.52183 21.54792 22.62532 23.75659 24.94442 26.19164 27.50122	20.82966 21.87114 22.96470 24.11293 25.31858 26.58451 27.91374	22.19921 23.30917 24.47463 25.69836 26.98328 28.33244	21.45924 22.53220 23.65881 24.84175 26.08384 27.38803 28.75743	22.87018 24.01369 25.21437 26.47509 27.79885 29.18879	22.10784 23.21323 24.37390 25.59259 26.87222 28.21583 29.62662	23.56143 24.73950 25.97648 27.27530 28.63907 30.07102	22.77605 23.91485 25.11060 26.36613 27.68443 29.06865 30.52209	23.11769 24.27358 25.48726 26.76162 28.09970 29.50468 30.97992	23.46446 24.63768 25.86956 27.16304 28.52119 29.94725 31.44462	23.81642 25.00725 26.25761 27.57049 28.94901 30.39646 31.91629	24.17367 25.38235 26.65147 27.98405 29.38325 30.85241 32.39503	25.76309 27.05124 28.40381 29.82400 31.31520 32.88096	26.14954 27.45701 28.82986 30.27136 31.78492 33.37417	25.27788 26.54178 27.86887 29.26231 30.72543 32.26170 33.87478	26.93991 28.28690 29.70125 31.18631 32.74562 34.38290	26.04191 27.34400 28.71120 30.14676 31.65410 33.23681 34.89865	26.43254 27.75416 29.14187 30.59897 32.12891 33.73536 35.42213	26.82903 28.17048 29.57900 31.05795 32.61085 34.24139 35.95346	27.23146 28.59303 30.02269 31.52382 33.10001 34.75501 36.49276	27.63993 29.02193 30.47303 31.99668 33.59651 35.27634 37.04015	28.05453 29.45726 30.93012 32.47663 34.10046 35.80548 37.59576	28.47535 29.89912 31.39407 32.96378 34.61197 36.34256 38.15969	105 106 107 108 109 110 111
105 106 107 108 109 110 111 112 113 114	17.94824 18.84565 19.78793 20.77733 21.81619 22.90700 24.05235 25.25497 26.51772	18.21746 19.12833 20.08475 21.08899 22.14343 23.25061 24.41314 25.63379 26.91548	18.49072 19.41526 20.38602 21.40532 22.47559 23.59937 24.77933 26.01830 27.31922	18.76808 19.70649 20.69181 21.72640 22.81272 23.95336 25.15102 26.40858 27.72900	20.00208 21.00219 22.05230 23.15491 24.31266 25.52829 26.80470 28.14494	20.30211 21.31722 22.38308 23.50223 24.67735 25.91121 27.20677 28.56711	19.62538 20.60665 21.63698 22.71883 23.85477 25.04751 26.29988 27.61488 28.99562	20.91575 21.96153 23.05961 24.21259 25.42322 26.69438 28.02910 29.43055	21.22948 22.29096 23.40550 24.57578 25.80457 27.09480 28.44954 29.87201	20.52183 21.54792 22.62532 23.75659 24.94442 26.19164 27.50122 28.87628 30.32009 31.83610	20.82966 21.87114 22.96470 24.11293 25.31858 26.58451 27.91374 29.30942 30.77489	22.19921 23.30917 24.47463 25.69836 26.98328 28.33244 29.74906 31.23652	21.45924 22.53220 23.65881 24.84175 26.08384 27.38803 28.75743 30.19530 31.70507	22.87018 24.01369 25.21437 26.47509 27.79885 29.18879 30.64823 32.18064	22.10784 23.21323 24.37390 25.59259 26.87222 28.21583 29.62662 31.10795 32.66335	23.56143 24.73950 25.97648 27.27530 28.63907 30.07102 31.57457 33.15330	22.77605 23.91485 25.11060 26.36613 27.68443 29.06865 30.52209 32.04819 33.65060	23.11769 24.27358 25.48726 26.76162 28.09970 29.50468 30.97992 32.52891 34.15536	23.46446 24.63768 25.86956 27.16304 28.52119 29.94725 31.44462 33.01685 34.66769	23.81642 25.00725 26.25761 27.57049 28.94901 30.39646 31.91629 33.51210 35.18771	24.17367 25.38235 26.65147 27.98405 29.38325 30.85241 32.39503 34.01478 35.71552	25.76309 27.05124 28.40381 29.82400 31.31520 32.88096 34.52500 36.25125	26.14954 27.45701 28.82986 30.27136 31.78492 33.37417 35.04288 36.79502	25.27788 26.54178 27.86887 29.26231 30.72543 32.26170 33.87478 35.56852 37.34695 39.21430	26.93991 28.28690 29.70125 31.18631 32.74562 34.38290 36.10205 37.90715	26.04191 27.34400 28.71120 30.14676 31.65410 33.23681 34.89865 36.64358 38.47576	26.43254 27.75416 29.14187 30.59897 32.12891 33.73536 35.42213 37.19323 39.05290	26.82903 28.17048 29.57900 31.05795 32.61085 34.24139 35.95346 37.75113 39.63869	27.23146 28.59303 30.02269 31.52382 33.10001 34.75501 36.49276 38.31740 40.23327	27.63993 29.02193 30.47303 31.99668 33.59651 35.27634 37.04015 38.89216 40.83677	28.05453 29.45726 30.93012 32.47663 34.10046 35.80548 37.59576 39.47554 41.44932	28.47535 29.89912 31.39407 32.96378 34.61197 36.34256 38.15969 40.06768 42.07106	105 106 107 108 109 110 111 112 113
105 106 107 108 109 110 111 112 113 114 115	17.94824 18.84565 19.78793 20.77733 21.81619 22.90700 24.05235 25.25497 26.51772 27.84360	18.21746 19.12833 20.08475 21.08899 22.14343 23.25061 24.41314 25.63379 26.91548 28.26126	18.49072 19.41526 20.38602 21.40532 22.47559 23.59937 24.77933 26.01830 27.31922 28.68518	18.76808 19.70649 20.69181 21.72640 22.81272 23.95336 25.15102 26.40858 27.72900 29.11545	20.00208 21.00219 22.05230 23.15491 24.31266 25.52829 26.80470 28.14494 29.55219	20.30211 21.31722 22.38308 23.50223 24.67735 25.91121 27.20677 28.56711 29.99547	19.62538 20.60665 21.63698 22.71883 23.85477 25.04751 26.29988 27.61488 28.99562 30.44540	20.91575 21.96153 23.05961 24.21259 25.42322 26.69438 28.02910 29.43055 30.90208	21.22948 22.29096 23.40550 24.57578 25.80457 27.09480 28.44954 29.87201 31.36561	20.52183 21.54792 22.62532 23.75659 24.94442 26.19164 27.50122 28.87628 30.32009 31.83610	20.82966 21.87114 22.96470 24.11293 25.31858 26.58451 27.91374 29.30942 30.77489 32.31364	22.19921 23.30917 24.47463 25.69836 26.98328 28.33244 29.74906 31.23652 32.79834	21.45924 22.53220 23.65881 24.84175 26.08384 27.38803 28.75743 30.19530 31.70507 33.29032	22.87018 24.01369 25.21437 26.47509 27.79885 29.18879 30.64823 32.18064 33.78967	22.10784 23.21323 24.37390 25.59259 26.87222 28.21583 29.62662 31.10795 32.66335 34.29652	23.56143 24.73950 25.97648 27.27530 28.63907 30.07102 31.57457 33.15330 34.81097	22.77605 23.91485 25.11060 26.36613 27.68443 29.06865 30.52209 32.04819 33.65060 35.33313	23.11769 24.27358 25.48726 26.76162 28.09970 29.50468 30.97992 32.52891 34.15536 35.86313	23.46446 24.63768 25.86956 27.16304 28.52119 29.94725 31.44462 33.01685 34.66769 36.40107	23.81642 25.00725 26.25761 27.57049 28.94901 30.39646 31.91629 33.51210 35.18771 36.94709	24.17367 25.38235 26.65147 27.98405 29.38325 30.85241 32.39503 34.01478 35.71552 37.50130	25.76309 27.05124 28.40381 29.82400 31.31520 32.88096 34.52500 36.25125 38.06382	26.14954 27.45701 28.82986 30.27136 31.78492 33.37417 35.04288 36.79502 38.63477	25.27788 26.54178 27.86887 29.26231 30.72543 32.26170 33.87478 35.56852 37.34695 39.21430	26.93991 28.28690 29.70125 31.18631 32.74562 34.38290 36.10205 37.90715 39.80251	26.04191 27.34400 28.71120 30.14676 31.65410 33.23681 34.89865 36.64358 38.47576 40.39955	26.43254 27.75416 29.14187 30.59897 32.12891 33.73536 35.42213 37.19323 39.05290 41.00554	26.82903 28.17048 29.57900 31.05795 32.61085 34.24139 35.95346 37.75113 39.63869 41.62062	27.23146 28.59303 30.02269 31.52382 33.10001 34.75501 36.49276 38.31740 40.23327 42.24493	27.63993 29.02193 30.47303 31.99668 33.59651 35.27634 37.04015 38.89216 40.83677 42.87861	28.05453 29.45726 30.93012 32.47663 34.10046 35.80548 37.59576 39.47554 41.44932 43.52179	28.47535 29.89912 31.39407 32.96378 34.61197 36.34256 38.15969 40.06768 42.07106 44.17461	105 106 107 108 109 110 111 112 113 114
105 106 107 108 109 110 111 112 113 114 115 116 117	17.94824 18.84565 19.78793 20.77733 21.81619 22.90700 24.05235 25.25497 26.51772 27.84360 29.23578 30.69757 32.23245	18.21746 19.12833 20.08475 21.08899 22.14343 23.25061 24.41314 25.63379 26.91548 28.26126 29.67432 31.15804 32.71594	18.49072 19.41526 20.38602 21.40532 22.47559 23.59937 24.77933 26.01830 27.31922 28.68518 30.11944 31.62541 33.20668	18.76808 19.70649 20.69181 21.72640 22.81272 23.95336 25.15102 26.40858 27.72900 29.11545 30.57123 32.09979 33.70478	20.00208 21.00219 22.05230 23.15491 24.31266 25.52829 26.80470 28.14494 29.55219 31.02980 32.58129 34.21035	20.30211 21.31722 22.38308 23.50223 24.67735 25.91121 27.20677 28.56711 29.99547 31.49524 33.07000 34.72350	19.62538 20.60665 21.63698 22.71883 23.85477 25.04751 26.29988 27.61488 28.99562 30.44540 31.96767 33.56605 35.24436	20.91575 21.96153 23.05961 24.21259 25.42322 26.69438 28.02910 29.43055 30.90208 32.44719 34.06955 35.77302	21.22948 22.29096 23.40550 24.57578 25.80457 27.09480 28.44954 29.87201 31.36561 32.93389 34.58059 36.30962	20.52183 21.54792 22.62532 23.75659 24.94442 26.19164 27.50122 28.87628 30.32009 31.83610 33.42790 35.09930 36.85426	20.82966 21.87114 22.96470 24.11293 25.31858 26.58451 27.91374 29.30942 30.77489 32.31364 33.92932 35.62579 37.40708	22.19921 23.30917 24.47463 25.69836 26.98328 28.33244 29.74906 31.23652 32.79834 34.43826 36.16017 37.96818	21.45924 22.53220 23.65881 24.84175 26.08384 27.38803 28.75743 30.19530 31.70507 33.29032 34.95483 36.70258 38.53771	22.87018 24.01369 25.21437 26.47509 27.79885 29.18879 30.64823 32.18064 33.78967 35.47916 37.25311 39.11577	22.10784 23.21323 24.37390 25.59259 26.87222 28.21583 29.62662 31.10795 32.66335 34.29652 36.01134 37.81191 39.70251	23.56143 24.73950 25.97648 27.27530 28.63907 30.07102 31.57457 33.15330 34.81097 36.55151 38.37909 40.29804	22.77605 23.91485 25.11060 26.36613 27.68443 29.06865 30.52209 32.04819 33.65060 35.33313 37.09979 38.95478 40.90252	23.11769 24.27358 25.48726 26.76162 28.09970 29.50468 30.97992 32.52891 34.15536 35.86313 37.65628 39.53910 41.51605	23.46446 24.63768 25.86956 27.16304 28.52119 29.94725 31.44462 33.01685 34.66769 36.40107 38.22113 40.13218 42.13879	23.81642 25.00725 26.25761 27.57049 28.94901 30.39646 31.91629 33.51210 35.18771 36.94709 38.79445 40.73417 42.77088	24.17367 25.38235 26.65147 27.98405 29.38325 30.85241 32.39503 34.01478 35.71552 37.50130 39.37636 41.34518 43.41244	25.76309 27.05124 28.40381 29.82400 31.31520 32.88096 34.52500 36.25125 38.06382 39.96701 41.96536 44.06363	26.14954 27.45701 28.82986 30.27136 31.78492 33.37417 35.04288 36.79502 38.63477 40.56651 42.59484 44.72458	25.27788 26.54178 27.86887 29.26231 30.72543 32.26170 33.87478 35.56852 37.34695 39.21430 41.17501 43.23376 45.39545	26.93991 28.28690 29.70125 31.18631 32.74562 34.38290 36.10205 37.90715 39.80251 41.79264 43.88227 46.07638	26.04191 27.34400 28.71120 30.14676 31.65410 33.23681 34.89865 36.64358 38.47576 40.39955 42.41952 44.54050 46.76753	26.43254 27.75416 29.14187 30.59897 32.12891 33.73536 35.42213 37.19323 39.05290 41.00554 43.05582 45.20861 47.46904	26.82903 28.17048 29.57900 31.05795 32.61085 34.24139 35.95346 37.75113 39.63869 41.62062 43.70166 45.88674 48.18107	27.23146 28.59303 30.02269 31.52382 33.10001 34.75501 36.49276 38.31740 40.23327 42.24493 44.35718 44.57504 48.90379	27.63993 29.02193 30.47303 33.59668 33.59651 35.27634 37.04015 38.89216 40.83677 42.87861 45.02254 47.27366 49.63735	28.05453 29.45726 30.93012 32.47663 34.10046 35.80548 37.59576 39.47554 41.44932 43.52179 45.69788 47.98277 50.38191	28.47535 29.89912 31.39407 32.96378 34.61197 36.34256 38.15969 40.06768 42.07106 44.17461 46.38334 48.70251 51.13764	105 106 107 108 109 110 111 112 113 114 115 116 117
105 106 107 108 109 110 111 112 113 114 115 116 117 118	17.94824 18.84565 19.78793 20.77733 21.81619 22.90700 24.05235 25.55497 26.51772 27.84360 29.23578 30.69757 32.23245 33.84407	18.21746 19.12833 20.08475 21.08899 22.14343 23.25061 24.41314 25.63379 26.91548 28.26126 29.67432 31.15804 32.71594 34.35174	18.49072 19.41526 20.38602 21.40532 22.47559 23.59937 24.77933 26.01830 27.31922 28.68518 30.11944 31.62541 33.20668 34.86701	18.76808 19.70649 20.69181 21.72640 22.81272 23.95336 25.15102 26.40858 27.72900 29.11545 30.57123 32.09979 33.70478 35.39002	20.00208 21.00219 22.05230 23.15491 24.31266 25.52829 26.80470 28.14494 29.55219 31.02980 32.58129 34.21035 35.92087	20.30211 21.31722 22.38308 23.50223 24.67735 25.91121 27.20677 28.56711 29.99547 31.49524 33.07000 34.72350 36.45968	19.62538 20.60665 21.63698 22.71883 23.85477 25.04751 26.29988 27.61488 28.99562 30.44540 31.96767 33.56605 35.24436 37.00658	20.91575 21.96153 23.05961 24.21259 25.42322 26.69438 28.02910 29.43055 30.90208 32.44719 34.06955 35.77302 37.56167	21.22948 22.29096 23.40550 24.57578 25.80457 27.09480 28.44954 29.87201 31.36561 32.93389 34.58059 36.30962 38.12510	20.52183 21.54792 22.62532 23.75659 24.94442 26.19164 27.50122 28.87628 30.32009 31.83610 33.42790 35.09930 36.85426 38.69698	20.82966 21.87114 22.96470 24.11293 25.31858 26.58451 27.91374 29.30942 30.77489 32.31364 33.92932 35.62579 37.40708 39.27743	22.19921 23.30917 24.47463 25.69836 26.98328 28.33244 29.74906 31.23652 32.79834 34.43826 36.16017 37.96818 39.86659	21.45924 22.53220 23.65881 24.84175 26.08384 27.38803 28.75743 30.19530 31.70507 33.29032 34.95483 36.70258 38.53771 40.46459	22.87018 24.01369 25.21437 26.47509 27.79885 29.18879 30.64823 32.18064 33.78967 35.47916 37.25311 39.11577 41.07156	22.10784 23.21323 24.37390 25.59259 26.87222 28.21583 29.62662 31.10795 32.66335 34.29652 36.01134 37.81191 39.70251 41.68763	23.56143 24.73950 25.97648 27.27530 28.63907 30.07102 31.57457 33.15330 34.81097 36.55151 38.37909 40.28804 42.31295	22.77605 23.91485 25.11060 26.36613 27.68443 29.06865 30.52209 32.04819 33.65060 33.65060 33.65060 33.65060 35.33313 37.09979 38.95478 40.90252 42.94764	23.11769 24.27358 25.48726 26.76162 28.09970 29.50468 30.97992 32.52891 34.15536 35.86313 37.65628 39.53910 41.51605 43.59186	23.46446 24.63768 25.66956 27.16304 28.52119 29.94725 33.01685 34.66769 36.40107 38.22113 40.13218 42.13879 44.24573	23.81642 25.00725 26.25761 27.57049 28.94901 30.39646 31.91629 33.51210 35.18771 36.94709 38.79445 40.73417 42.77088 44.90942	24.17367 25.38235 26.65147 27.98405 29.38325 30.85241 32.39503 34.01478 35.71552 37.50130 39.37636 41.34518 43.41244 45.58306	25.76309 27.05124 28.40381 29.82400 31.31520 32.88096 34.52500 36.25125 38.06382 39.96701 41.96536 44.06383 46.26681	26.14954 27.45701 28.82986 30.27136 31.78492 33.37417 35.04288 36.79502 38.63477 40.56651 42.59484 44.72458 46.96081	25.27788 26.54178 27.86887 29.26231 30.72543 32.26170 33.87478 35.56852 37.34995 39.21430 41.17501 43.23376 45.39545 47.66522	26.93991 28.28690 29.70125 31.18631 32.74562 34.38290 36.10205 37.90715 39.80251 41.79264 43.88227 46.07638 48.38020	26.04191 27.34400 28.71120 30.14676 31.65410 33.23681 34.89865 36.64358 38.47576 40.39955 42.41952 44.54050 46.76753 49.10590	26.43254 27.75416 29.14187 30.59897 32.12891 33.73536 35.42213 37.19323 39.05290 41.00554 43.05582 45.20861 47.46904 49.84249	26.82903 28.17048 29.57900 31.05795 32.61085 34.24139 35.95346 37.75113 39.63869 41.62062 43.70166 45.88674 48.18107 50.59013	27.23146 28.59303 30.02269 31.52382 33.10001 34.75501 36.49276 38.31740 40.23327 42.24493 44.35718 46.57504 48.90379 51.34898	27.63993 29.02193 30.47303 31.99668 33.59651 35.27634 37.04015 38.89216 40.83677 42.87861 45.02254 47.27366 49.63735 52.11922	28.05453 29.45726 30.93012 32.47663 34.10046 35.80548 37.59576 39.47554 41.44932 43.52179 45.69788 47.98277 50.38191 52.90100	28.47535 29.89912 31.39407 32.96378 34.61197 36.34256 38.15969 40.06768 42.07106 44.17461 46.38334 48.70251 51.13764 53.69452	105 106 107 108 109 110 111 112 113 114 115 116 117 118
105 106 107 108 109 110 111 112 113 114 115 116 117 118 119	17.94824 18.84565 19.78793 20.77733 21.81619 22.90700 24.05235 25.25497 26.51772 27.84360 29.23578 30.69757 32.23245 33.84407 35.53628	18.21746 19.12833 20.08475 21.08899 22.14343 23.25061 24.41314 25.63379 26.91548 28.6126 29.67432 31.15804 32.71594 34.35174 36.06932	18.49072 19.41526 20.38602 21.40532 22.47559 23.59937 24.77933 26.01830 27.31922 28.68518 30.11944 31.62541 33.20668 34.86701 36.61036	18.76808 19.70649 20.69181 21.72640 22.81272 23.95336 25.15102 26.40858 27.72900 29.11545 30.57123 32.09979 33.70478 35.39002 37.15952	20.00208 21.00219 22.05230 23.15491 24.31266 25.52829 26.80470 28.14494 29.55219 31.02980 32.58129 34.21035 35.92087 37.71691	20.30211 21.31722 22.38308 23.50223 24.67735 25.91121 27.20677 28.56711 29.99547 31.49524 33.07000 34.72350 36.45988 38.28266	19.62538 20.60665 21.63698 22.71883 23.85477 25.04751 26.29988 27.61488 28.99562 30.44540 31.96767 33.56605 35.24436 37.00658 38.85690	20.91575 21.96153 23.05961 24.21259 25.42322 26.69438 28.02910 29.43055 30.90208 32.44719 34.06955 35.77302 37.56167 39.43976	21.22948 22.29096 23.40550 24.57578 25.80457 27.09480 28.44954 29.87201 31.36561 32.93389 34.58059 36.30962 38.12510 40.03135	20.52183 21.54792 22.62532 23.75659 24.94442 26.19164 27.50122 28.87628 30.32009 31.83610 33.42790 35.09930 38.85426 38.69698 40.63182	20.82966 21.87114 22.96470 24.11293 25.31858 26.58451 27.91374 29.30942 30.77489 32.31364 33.92932 35.62579 37.40708 39.27743 41.24130	22.19921 23.30917 24.47463 25.69836 26.98328 28.33244 29.74906 31.23652 32.79834 34.43826 36.16017 37.96818 39.86659 41.85992	21.45924 22.53220 23.65881 24.84175 26.08384 27.38803 28.75743 30.19530 31.70507 33.29032 34.95483 36.70258 38.53771 40.46459 42.48782	22.87018 24.01369 25.21437 26.47509 27.79885 29.18879 30.64823 32.18064 33.78967 35.47916 37.25311 39.11577 41.07156 43.12514	22.10784 23.21323 24.37390 25.59259 26.87222 28.21583 29.62662 31.10795 32.66335 34.29652 36.01134 37.81191 39.70251 41.68763 43.77201	23.56143 24.73950 25.97648 27.27530 28.63907 30.07102 31.57457 33.15330 34.81097 36.55151 38.37909 40.29804 42.31295 44.42859	22.77605 23.91485 25.11060 26.36613 27.68443 29.08665 30.52209 33.65060 35.33313 37.09979 38.95478 40.90252 42.94764 45.09502	23.11769 24.27358 25.48726 28.76162 28.09970 29.50468 30.97992 32.52891 34.15536 35.86313 37.65528 39.53910 41.51605 43.59186 45.77145	23.46446 24.63768 25.86956 27.16304 28.52119 29.94725 31.44462 33.01685 34.66769 36.40107 38.22113 40.13218 42.13879 44.24573	23.81642 25.00725 26.25761 27.57049 28.94901 30.39646 31.91629 33.51210 35.18771 36.94709 38.79445 40.73417 42.77088 44.90942 47.15489	24.17367 25.38235 26.65147 27.98405 29.38325 30.65241 32.39503 34.01478 35.71552 37.50130 39.37636 41.34518 43.41244 45.58306 47.86221	25.76309 27.05124 28.40381 29.82400 31.31520 32.88096 34.52500 36.25125 38.06382 39.96701 41.96536 44.06363 48.26681 48.58015	26.14954 27.45701 28.82986 30.27136 33.37417 33.04288 36.79502 38.63477 40.56651 42.59484 44.72458 46.96081 49.30885	25.27788 26.54178 27.86887 29.26231 30.72543 32.26170 33.87478 35.56852 37.34695 39.21430 41.17501 43.23376 45.39545 47.66522 50.04848	26.93991 28.28690 29.70125 31.18631 32.74562 34.38290 36.10205 37.90715 39.80251 41.79264 43.88227 46.07638 48.38020 50.79921	26.04191 27.34400 28.71120 30.14676 31.65410 33.23681 34.89865 36.64358 38.47576 40.39955 42.41952 44.54050 46.76753 49.10590 51.56120	26.43254 27.75416 29.14187 30.59897 32.12891 33.73536 35.42213 37.19323 39.05290 41.00554 43.05582 45.20861 47.46904 49.84249 52.33462	26.82903 28.17048 29.57900 31.05795 32.61085 34.24139 35.95346 37.75113 39.63869 41.62062 43.70166 45.88674 48.8107 50.59013 55.11963	27.23146 28.59303 30.02269 31.52382 33.10001 34.75501 36.49276 38.31740 40.23327 42.24493 44.35718 46.57504 48.90379 51.34898 53.91643	27.63993 29.02193 30.47303 31.99668 33.59651 35.27634 37.04015 38.89216 40.83677 42.87861 45.02254 47.27366 49.63735 52.11922 54.72518	28.05453 29.45726 30.93012 32.47663 34.10046 33.80548 37.59576 39.47554 41.44932 43.52179 45.69788 47.98277 50.38191 52.90100 55.54605	28.47535 29.89912 31.39407 32.96378 34.61197 36.34256 38.15969 40.06768 42.07106 44.17461 46.38334 48.70251 51.13764 53.69452 56.37924	105 106 107 108 109 110 111 112 113 114 115 116 117 118 119
105 106 107 108 109 110 111 112 113 114 115 116 117 118 118 119 120	17.94824 18.84565 19.78793 20.77733 21.81619 22.90700 24.05235 25.25497 26.51772 27.84360 29.23578 30.69757 32.23245 33.84407 35.53628 37.31309	18.21746 19.12833 20.08475 21.08899 22.14343 23.25061 24.41314 25.63379 26.91548 28.26126 29.67432 31.15804 32.71594 34.35174 36.06932 37.87279	18.49072 19.41526 20.38602 21.40532 22.47559 23.59937 24.77933 26.01830 27.31922 28.68518 30.11944 31.62541 33.20668 34.86701 38.641036 38.44088	18.76808 19.70649 20.69181 21.72640 22.81272 23.95336 25.15102 26.40858 27.72900 29.11545 30.57123 32.09979 33.70478 35.39002 37.15952 39.01749	20.00208 21.00219 22.05230 23.15491 24.31266 25.5229 28.80470 28.14494 29.55219 31.02980 32.58129 34.21035 33.92087 37.71691 39.60276	20.30211 21.31722 22.38308 23.50223 24.67735 25.91121 27.20677 28.56711 29.99547 31.49524 33.07000 34.72350 36.45968 38.28266 40.19680	19.62538 20.60665 21.63698 22.71883 23.85477 25.04751 26.29988 27.61488 28.99562 30.44540 31.96767 33.56605 35.24436 37.00658 38.85690 40.79975	20.91575 21.96153 23.05961 24.21259 25.42322 26.69438 28.02910 29.43055 30.90208 32.44719 34.06955 35.77302 37.56167 39.43976 41.41175	21.22948 22.29096 23.40550 24.57578 25.80457 27.09480 28.44954 29.87201 31.36561 32.93389 34.58059 36.30962 38.12510 40.03135 42.03292	20.52183 21.54792 22.62532 23.75659 24.94442 26.19164 27.50122 28.87628 30.32009 31.83610 33.42790 35.09930 36.85426 38.69938 40.63182 42.66342	20.82966 21.87114 22.96470 24.11293 25.31858 26.58451 27.91374 29.30942 30.77489 32.31364 33.92932 35.62579 37.40708 39.27743 41.24130 43.30337	22.19921 23.30917 24.47463 25.69836 26.98328 28.33244 29.74906 31.23652 32.79834 34.43826 36.16017 37.96818 39.86659 41.85992 43.95292	21.45924 22.53220 23.65881 24.84175 26.08384 27.38803 28.75743 30.19530 31.70507 33.29032 34.95483 36.70258 38.53771 40.46459 42.48782 44.61221	22.87018 24.01369 25.21437 26.47509 27.79885 29.18879 30.64823 32.18064 33.78967 35.47916 37.25311 39.11577 41.07156 43.12514 45.28139	22.10784 23.21323 24.37390 25.59259 26.87222 28.21583 29.62662 31.10795 32.66335 34.29652 36.01134 37.81191 39.70251 41.68763 43.77201	23.56143 24.7950 25.97648 27.27530 28.63907 30.07102 31.57457 33.15330 34.81097 36.55151 38.37909 40.28804 42.31295 44.42859 46.65002	22.77605 23.91485 25.11060 26.36613 27.68443 29.08865 30.52209 32.04819 33.65060 35.33313 37.09979 38.95478 40.90252 42.94764 45.09502 47.34977	23.11769 24.27358 25.48726 28.09970 29.50468 30.97992 32.52891 34.15536 33.86313 37.65628 39.53910 41.51605 43.59186 45.77145 48.06002	23.46446 24.63768 25.86956 27.16304 28.52119 29.94725 31.44462 33.01685 34.66769 36.40107 36.20113 40.13218 42.13879 44.24573 46.45802 48.78092	23.81642 25.00725 26.25761 27.57049 28.94901 30.39646 31.91629 33.51210 35.18771 36.94709 38.79445 40.73417 42.77088 44.90942 47.15489 49.51264	24.17367 25.38235 26.65147 27.98405 29.38325 30.85241 32.39503 34.01478 35.71552 37.50130 39.37636 41.34518 43.41244 45.58306 47.86221 50.25532	25.76309 27.05124 28.40381 29.82400 31.31520 34.52500 36.25125 38.06382 39.96701 41.96536 44.06363 44.06363 44.06681 48.58015 51.00915	26.14954 27.45701 28.82986 30.27136 31.78492 33.37417 35.04288 36.79502 38.63477 40.56651 42.59484 44.72458 44.90681 49.30885 51.77429	25.27788 26.54178 27.86887 29.26231 30.72543 32.26170 33.87478 35.56852 37.34695 39.21430 41.17501 43.23376 45.39545 47.66522 50.04948 52.55091	26.93991 28.28690 29.70125 31.18631 32.74562 34.38290 36.10205 37.90715 39.80251 41.79264 43.88227 46.07638 48.38020 50.79921 53.33917	26.04191 27.34400 28.71120 30.14676 31.65410 33.23681 34.89865 36.64358 38.47576 40.39955 42.41952 44.54050 46.76753 49.10590 51.56120 54.13926	26.43254 27.75416 29.14187 30.59897 32.12891 33.73536 35.42213 37.19323 39.05290 41.00554 43.05582 45.20861 47.46904 49.84249 52.33462 54.95135	26.82903 28.17048 29.57900 31.05795 32.61085 34.24139 35.95346 37.75113 39.63869 41.62062 43.70166 45.88674 48.18107 50.59013 55.17962	27.23146 28.59303 30.02269 31.52382 33.10001 34.75501 36.49276 38.31740 40.23327 42.24493 44.35718 46.57504 48.90379 51.34898 53.91643 56.61225	27.63993 29.02193 30.47303 31.99668 33.59651 35.27634 37.04015 38.89216 40.83677 42.87861 45.02254 47.27366 49.63735 52.11922 54.72518 57.46143	28.05453 29.45726 30.93012 32.47663 34.10046 35.80548 37.59576 39.47554 41.44932 43.52179 45.69788 47.98277 50.38191 52.90100 55.54605 58.32336	28.47535 29.89912 31.39407 32.96378 34.61197 36.34256 38.15969 40.06768 42.07106 44.17461 46.38334 48.70251 51.13764 53.69452 56.37924 59.19821	105 106 107 108 109 110 111 112 113 114 114 115 116 117 118 119 120
105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121	17.94824 18.84565 19.78793 20.77733 21.81619 22.90700 24.05235 25.25497 26.51772 27.84360 29.23578 30.69757 32.23245 33.84407 35.53628	18.21746 19.12833 20.08475 21.08899 22.14343 23.25061 24.41314 25.63379 26.91548 28.6126 29.67432 31.15804 32.71594 34.35174 36.06932	18.49072 19.41526 20.38602 21.40532 22.47559 23.59937 24.77933 26.01830 27.31922 28.68518 30.11944 31.62541 33.20668 34.86701 36.61036	18.76808 19.70649 20.69181 21.72640 22.81272 23.95336 25.15102 26.40858 27.72900 29.11545 30.57123 32.09979 33.70478 35.39002 37.15952	20.00208 21.00219 22.05230 23.15491 24.31266 25.52829 26.80470 28.14494 29.55219 31.02980 32.58129 34.21035 35.92087 37.71691	20.30211 21.31722 22.38308 23.50223 24.67735 25.91121 27.20677 28.56711 29.99547 31.49524 33.07000 34.72350 36.45988 38.28266	19.62538 20.60665 21.63698 22.71883 23.85477 25.04751 26.29988 27.61488 28.99562 30.44540 31.96767 33.56605 35.24436 37.00658 38.85690	20.91575 21.96153 23.05961 24.21259 25.42322 26.69438 28.02910 29.43055 30.90208 32.44719 34.06955 35.77302 37.56167 39.43976	21.22948 22.29096 23.40550 24.57578 25.80457 27.09480 28.44954 29.87201 31.36561 32.93389 34.58059 36.30962 38.12510 40.03135	20.52183 21.54792 22.62532 23.75659 24.94442 26.19164 27.50122 28.87628 30.32009 31.83610 33.42790 35.09930 38.85426 38.69698 40.63182	20.82966 21.87114 22.96470 24.11293 25.31858 26.58451 27.91374 29.30942 30.77489 32.31364 33.92932 35.62579 37.40708 39.27743 41.24130	22.19921 23.30917 24.47463 25.69836 26.98328 28.33244 29.74906 31.23652 32.79834 34.43826 36.16017 37.96818 39.86659 41.85992	21.45924 22.53220 23.65881 24.84175 26.08384 27.38803 28.75743 30.19530 31.70507 33.29032 34.95483 36.70258 38.53771 40.46459 42.48782	22.87018 24.01369 25.21437 26.47509 27.79885 29.18879 30.64823 32.18064 33.78967 35.47916 37.25311 39.11577 41.07156 43.12514	22.10784 23.21323 24.37390 25.59259 26.87222 28.21583 29.62662 31.10795 32.66335 34.29652 36.01134 37.81191 39.70251 41.68763 43.77201	23.56143 24.73950 25.97648 27.27530 28.63907 30.07102 31.57457 33.15330 34.81097 36.55151 38.37909 40.29804 42.31295 44.42859	22.77605 23.91485 25.11060 26.36613 27.68443 29.08665 30.52209 33.65060 35.33313 37.09979 38.95478 40.90252 42.94764 45.09502	23.11769 24.27358 25.48726 28.76162 28.09970 29.50468 30.97992 32.52891 34.15536 35.86313 37.65528 39.53910 41.51605 43.59186 45.77145	23.46446 24.63768 25.86956 27.16304 28.52119 29.94725 31.44462 33.01685 34.66769 36.40107 38.22113 40.13218 42.13879 44.24573	23.81642 25.00725 26.25761 27.57049 28.94901 30.39646 31.91629 33.51210 35.18771 36.94709 38.79445 40.73417 42.77088 44.90942 47.15489	24.17367 25.38235 26.65147 27.98405 29.38325 30.65241 32.39503 34.01478 35.71552 37.50130 39.37636 41.34518 43.41244 45.58306 47.86221	25.76309 27.05124 28.40381 29.82400 31.31520 32.88096 34.52500 36.25125 38.06382 39.96701 41.96536 44.06363 48.26681 48.58015	26.14954 27.45701 28.82986 30.27136 33.37417 33.04288 36.79502 38.63477 40.56651 42.59484 44.72458 46.96081 49.30885	25.27788 26.54178 27.86887 29.26231 30.72543 32.26170 33.87478 35.56852 37.34695 39.21430 41.17501 43.23376 45.39545 47.66522 50.04848	26.93991 28.28690 29.70125 31.18631 32.74562 34.38290 36.10205 37.90715 39.80251 41.79264 43.88227 46.07638 48.38020 50.79921	26.04191 27.34400 28.71120 30.14676 31.65410 33.23681 34.89865 36.64358 38.47576 40.39955 42.41952 44.54050 46.76753 49.10590 51.56120	26.43254 27.75416 29.14187 30.59897 32.12891 33.73536 35.42213 37.19323 39.05290 41.00554 43.05582 45.20861 47.46904 49.84249 52.33462	26.82903 28.17048 29.57900 31.05795 32.61085 34.24139 35.95346 37.75113 39.63869 41.62062 43.70166 45.88674 48.8107 50.59013 55.11963	27.23146 28.59303 30.02269 31.52382 33.10001 34.75501 36.49276 38.31740 40.23327 42.24493 44.35718 46.57504 48.90379 51.34898 53.91643	27.63993 29.02193 30.47303 31.99668 33.59651 35.27634 37.04015 38.89216 40.83677 42.87861 45.02254 47.27366 49.63735 52.11922 54.72518	28.05453 29.45726 30.93012 32.47663 34.10046 33.80548 37.59576 39.47554 41.44932 43.52179 45.69788 47.98277 50.38191 52.90100 55.54605	28.47535 29.89912 31.39407 32.96378 34.61197 36.34256 38.15969 40.06768 42.07106 44.17461 46.38334 48.70251 51.13764 53.69452 56.37924	105 106 107 108 109 110 111 112 113 114 115 116 117 118 119
105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 121 122	17.94824 18.8465 19.76793 20.77733 21.81619 22.90700 24.05235 25.25497 26.51772 27.84360 29.23578 32.84407 35.53628 33.84407 35.53628 37.31309 39.17875	18.21746 19.12833 20.08475 21.08899 22.14343 23.25061 24.41314 25.63379 26.91548 28.26126 29.67432 31.15804 32.71594 34.35174 36.06932 37.87279 39.76643	18.49072 19.41526 20.38602 21.40532 22.47559 23.59937 24.77933 26.01830 27.31922 28.68518 30.11944 31.62541 33.20668 34.86701 36.61036 38.44088 40.36292	18.76808 19.70649 20.69181 21.72640 22.81272 23.95336 25.15102 26.40858 27.72900 29.11545 30.57123 32.09979 33.70478 35.39002 37.15952 39.01749 40.96837	20.00208 21.00219 22.05230 23.15491 24.31266 25.52829 26.80470 28.14494 29.55219 31.02980 32.58129 34.21035 35.92087 37.71691 39.60276 41.58289	20.30211 21.31722 22.38308 23.50223 24.67735 25.91121 27.20677 28.56711 29.99547 31.49524 33.07000 34.72350 36.45968 38.28266 40.19680 42.20664	19.62538 20.60665 21.63698 22.7183 23.85477 25.04751 26.29988 27.61488 28.99562 30.44540 31.96767 33.56605 35.24436 37.00658 38.85690 40.79975 42.83974	20.91575 21.96153 23.05961 24.21259 25.42322 26.66438 28.02910 29.43055 30.90208 32.44719 34.06955 35.77302 37.56167 39.43976 41.41175 43.48233	21.22948 22.29096 23.40550 24.57578 25.80457 27.09480 28.44954 29.87201 31.36561 32.93389 34.58059 36.30962 38.12510 40.03135 42.03292 44.13457	20.52183 21.54792 22.62532 23.75659 24.94442 26.19164 27.50122 28.87628 30.32009 31.83610 33.42790 33.09930 35.09930 36.85426 38.69698 40.63182 42.66342 44.79659	20.82966 21.87114 22.96470 24.11293 25.31858 26.58451 27.91374 29.30942 30.77489 32.31364 33.92932 35.62579 35.62579 37.40708 39.27743 41.24130 43.30337	22.19921 23.30917 24.47463 25.69836 26.98328 28.33244 29.74906 31.23652 32.79834 34.43826 36.16017 37.96818 39.86659 41.85992 43.95292 46.15056	21.45924 22.53220 23.65881 24.84175 26.08384 27.38803 28.75743 30.19530 31.70507 33.29032 34.95483 36.70258 38.53771 40.46459 42.48782 44.61221 46.84282	22.87018 24.01369 25.21437 26.47509 27.79885 29.18879 30.64823 32.18064 33.78967 35.47916 35.47916 37.25311 39.11577 41.07156 43.12514 43.21319 47.54546	22.10784 23.21323 24.37390 25.59259 26.87222 28.21583 29.62662 31.10795 32.66335 34.29652 36.01134 37.81191 39.70251 41.68763 43.77201 45.59061 48.25865	23.56143 24.73950 25.97648 27.27530 28.63907 30.07102 31.57457 33.15330 34.81097 36.55151 38.37909 40.29804 42.31295 44.42859 44.65002 48.98253	22.77605 23.91485 25.11060 26.36613 27.68443 29.06865 30.52209 32.04819 33.65060 35.33313 37.09979 38.95478 40.90252 42.94764 45.09502 47.34977	23.11769 24.27358 25.48726 26.76162 28.09970 29.50468 30.97992 32.52891 34.15536 35.86313 37.65628 39.53910 41.51605 43.59186 45.77145 48.06002 50.46302	23.46446 24.63768 25.86956 27.16304 28.52119 29.94725 31.44462 33.01685 34.66769 36.40107 38.22113 40.13218 42.13879 44.24573 46.45802 51.21997	23.81642 25.00725 26.25761 27.57049 28.84901 30.39646 31.91629 33.51210 35.18771 36.84709 38.79445 40.73417 42.77088 44.90942 44.90942 44.15489 49.51264 51.98827	24.17367 25.38235 26.65147 27.98405 29.38325 30.85241 32.39503 34.01478 35.71552 37.50130 39.37636 41.34518 43.41244 45.58306 47.86221 50.25532 52.76809	25.76309 27.05124 28.40381 29.82400 31.31520 32.88096 34.52500 34.52500 36.25125 38.06382 39.96701 41.96536 44.06363 45.26681 48.58015 51.00915 53.55961	26.14954 27.45701 28.82986 30.27136 31.78492 33.37417 35.04288 36.79502 38.63477 40.56651 42.59484 44.72458 46.96081 49.30885 51.77429 54.36301	25.27788 26.54178 27.86887 29.26231 30.72543 32.26170 33.87478 35.56852 37.34695 39.21430 41.17501 43.23376 45.39545 47.66522 50.04848 52.55091 55.17845	26.93991 28.28690 29.70125 31.18631 32.74562 34.38290 36.10205 37.90715 39.80251 41.79264 43.88227 46.07638 49.38020 50.79921 55.33917 56.00613	26.04191 27.34400 28.71120 30.14676 31.65410 33.23681 34.89665 36.64358 38.47576 40.39955 42.41952 44.54050 46.76753 49.10590 51.56120 54.13926	26.43254 27.75416 29.14187 30.59897 32.12891 33.73536 35.42213 37.19323 39.05290 41.00554 43.05582 45.20861 47.46904 49.84249 52.33462 54.95135 57.69891	26.82903 28.17048 29.57900 31.05795 32.61085 34.24139 35.95346 37.75113 39.63869 41.62062 43.70166 45.88674 48.18107 50.59013 53.11963 55.77562 58.56440	27.23146 28.59303 30.02269 31.52382 33.10001 34.75501 38.49276 38.31740 40.23327 42.24493 44.35718 44.35718 44.57504 48.90379 51.34898 53.91643 55.61225 59.44286	27.63993 29.02193 30.47303 31.99668 35.27634 37.04015 38.89216 40.83677 42.87861 45.02254 47.27366 49.63735 52.11922 54.72518 57.46143 60.33451	28.05453 29.45726 30.93012 32.47663 34.10046 35.80548 37.59576 39.47554 41.44932 43.52179 45.69788 47.98277 50.38191 52.90100 55.54605 58.32336 61.23952	28.47535 29.89912 31.39407 32.96378 34.61197 36.34256 38.15969 40.06768 42.07106 44.17461 46.38334 48.70251 51.13764 53.69452 56.37924 59.19821 62.15812	105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 119 120 121
105 106 107 108 109 110 111 112 113 114 115 116 117 118 118 119 120 121 122 123 123 124	17.94824 18.84565 19.76793 20.77733 21.81619 22.90700 24.05235 25.25497 26.51772 27.84360 29.23578 30.69757 35.3628 33.84407 35.53628 33.31309 39.17875 41.13788 43.19457	18.21746 19.12833 20.08475 21.08899 22.14343 23.25061 24.41314 25.63379 26.91548 28.26126 29.67432 31.15804 32.71594 34.35174 36.06932 37.87279 39.76643 41.75475 43.84249	18.49072 19.41526 20.38602 21.40532 22.47559 23.59937 24.77933 26.01830 27.31922 28.68518 30.11944 31.62541 33.20668 34.86701 36.61036 38.44088 40.36292 42.38107 44.50012	18.76808 19.70649 20.69181 21.72640 22.81272 23.95336 25.15102 26.40858 27.72900 29.11545 30.57123 30.0979 33.70478 35.39002 37.15952 39.01749 40.96837 43.01679 45.16763 47.42601	20.00208 21.00219 22.05230 23.15491 24.31266 25.52829 26.80470 28.14494 29.55219 31.02980 32.58129 34.21035 35.92087 37.71691 39.60276 41.58289 43.66204 45.84514 48.13740	20.30211 21.31722 22.38308 23.50223 24.67735 25.91121 27.20677 28.56711 29.99547 31.49524 33.07000 34.72350 36.45968 38.28266 40.19680 42.20664 44.31697 46.53282 48.85946	19.62538 20.60665 21.63698 22.7183 23.85477 25.04751 26.29988 27.61488 28.99562 30.44540 31.96767 33.56605 35.24436 37.00658 38.85690 40.79975 42.83974 44.89172 47.23081	20.91575 21.96153 23.05961 24.21259 25.42322 26.66438 28.02910 29.43055 30.90208 32.44719 34.06955 35.77302 37.56167 39.43976 41.41175 43.48233 45.65645 47.93927 50.33624	21.22948 22.29096 23.40550 24.57578 28.80457 27.09480 28.44954 28.87201 31.36561 32.93389 34.58059 36.30962 38.12510 40.03135 42.03292 44.13457 46.5836 51.09128	20.52183 21.54792 22.62532 23.75659 24.94442 26.19164 27.50122 28.87628 30.32009 31.83610 33.42790 33.69930 35.09930 36.85426 38.69698 40.63182 42.66342 44.79659 47.03642 49.38824 51.85765	20.82966 21.87114 22.96470 24.11293 25.31858 26.58451 27.91374 29.30042 30.77489 33.231364 33.82932 35.62579 37.40708 39.27743 41.24130 43.30337 45.46853 47.24196 50.12806	22.19921 23.00917 24.47463 25.69836 26.98232 28.33244 29.74906 31.23652 32.79834 34.43826 36.16017 37.96818 39.86659 41.85992 43.95292 43.95292 43.95595 48.45009 50.88100	1.45924 22.53220 23.65881 24.84175 26.08384 27.38803 28.75743 30.19530 31.70507 33.29032 34.95483 36.70258 38.53771 40.46459 42.48782 44.61221 46.84282 49.18496 51.64421	22.87018 24.01369 25.21437 26.47509 27.79885 29.18879 30.64823 33.78967 35.47916 37.25311 39.11577 41.07156 43.12514 45.28139 47.54546 49.92274 52.41887 55.03982	22.10784 23.21323 24.37390 25.59259 26.87222 28.21583 29.62662 31.10795 32.66335 34.29652 36.01134 37.81191 39.70251 41.68763 43.77201 45.96061 48.25865 50.67158 53.20516 55.86541	23.56143 24.73950 25.97648 27.27530 28.63907 30.07102 31.57457 33.15330 34.81097 36.55151 38.37909 40.28804 42.31295 44.42859 44.42859 44.65002 48.98253 51.43165 54.00323 56.70340	22.77605 23.91485 25.11060 26.36613 27.68443 29.06865 30.52209 32.04819 33.65060 35.33313 37.09979 38.95478 40.90252 42.94764 45.09502 47.34977 49.71726 52.20313 54.81328 57.55395	23.11769 24.27358 25.48726 26.76162 28.09970 29.50468 30.97992 32.52891 34.15536 35.86313 37.65628 39.53910 41.51605 43.59186 45.77145 48.66002 50.46302 50.46302 55.63548 55.63548	23.46446 24.63768 25.86956 27.16304 28.52119 29.94725 31.44462 33.01685 34.66769 36.40107 38.22113 40.13218 42.13879 44.24573 46.45802 51.21997 53.78097 56.47001 59.29351	23.81642 25.00725 26.25761 27.57049 28.84901 30.39646 33.91629 33.51210 35.18771 36.94709 38.79445 40.73417 42.77088 44.90942 47.15489 44.90942 47.15489 49.51264 51.98827 54.58768 57.31706 60.18292	24.17367 25.38235 26.65147 27.98405 29.38325 30.85241 32.39503 34.01478 35.71552 37.50130 39.37636 41.34518 43.41244 45.58306 47.86221 50.25532 52.76809 55.40650 58.17682 61.08566	25.76309 27.05124 28.40381 29.82400 31.31520 32.88096 34.52500 38.25125 38.06382 39.96701 41.96536 44.06363 46.26681 45.88015 51.00915 53.55961 55.255961 55.255961 59.04947 62.00195	26.14954 27.45701 28.82986 30.27136 31.78492 33.37417 35.04288 36.79502 38.63477 40.56651 42.59484 44.72458 46.96081 43.30885 51.77429 54.36301 57.08116 59.93521 62.93198	25.27788 26.54178 27.86887 29.26231 30.72543 32.26170 33.87478 35.56852 37.34695 39.21430 41.17501 43.23376 45.39545 47.66522 50.04848 52.55091 55.17845 57.93737 60.83424 63.87596	26.93991 28.28690 29.70125 31.18631 32.74562 34.38290 36.10205 37.90715 39.80251 41.79264 43.88227 46.07638 48.38020 50.79921 53.33917 55.30913 58.80643 61.74676	26.04191 27.34400 28.71120 30.14676 31.65410 33.23681 34.89665 36.64358 38.47576 40.39955 42.41952 44.54050 46.76753 49.10590 51.56120 54.13926 56.84622 59.68853 62.67296 65.80661	26.43254 27.75416 29.14187 30.59897 32.12891 33.73536 35.42213 37.19323 39.05290 41.00554 43.05582 45.20861 47.46904 49.84249 52.33462 54.95135 57.69891 60.58386 63.61305	26.82903 28.17048 29.57900 31.05795 32.61085 34.24139 35.95346 37.75113 39.63869 41.62062 43.70166 45.88674 48.18107 50.59013 53.11963 55.77562 58.56440 61.49262 64.56725 67.79561	27.23146 28.59303 30.02269 31.52382 33.10001 34.75501 38.49276 38.31740 40.23327 42.24493 44.35718 44.35718 44.35718 44.35718 48.90379 51.34898 53.91643 55.61225 59.44286 62.41501 65.53576 68.81254	27.63993 29.02193 30.47303 31.99668 35.27634 37.04015 38.89216 40.83677 42.87861 45.02254 47.27366 49.63735 52.11922 54.72518 57.46143 60.33451 63.35123 66.51879 69.84473	28.05453 29.45726 30.93012 32.47663 34.10046 35.80548 37.59576 39.47554 41.44932 43.52179 45.69788 47.98277 45.69788 47.98277 50.38191 52.90100 55.54605 55.822336 61.23952 64.30150 67.51658 70.89240	28.47535 29.89912 31.39407 32.96378 22.96378 23.634256 38.15969 40.06768 42.07106 44.17461 46.38334 48.70251 51.13764 53.69452 56.37924 55.918221 62.15812 65.29602 68.52932	105 106 107 108 109 110 111 112 113 114 115 116 117 118 117 118 119 120 121 122 123 124
105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 120 121 122 123 124 124	17.94824 18.84565 19.78793 20.77733 21.81619 22.90700 24.05235 25.25497 25.651772 27.84360 29.23578 30.69757 32.23245 33.84407 35.53628 33.84407 35.53628 41.13768 41.13768 43.19457 45.35430	18.21746 19.12833 20.08475 21.08899 22.14343 23.25061 24.41314 25.63379 26.91548 28.6126 29.67432 31.15804 32.71594 34.35174 36.06932 37.87279 39.76643 41.75475 43.84249 46.03461	18.49072 19.41526 20.38602 21.40532 22.47559 23.59937 24.77933 26.01830 27.31922 28.68518 30.11944 31.62541 33.20668 34.86701 36.61036 38.44088 40.36292 42.38107 44.50012 46.72513 49.06139	18.76808 19.70649 20.69181 21.72640 22.81272 23.95336 25.15102 26.40858 27.72900 29.11545 30.57123 32.09979 33.70478 35.39002 37.15952 39.01749 40.96837 43.01679 45.16763 47.42601 49.79731	20.00208 21.00219 22.05230 23.15491 24.31266 25.52829 26.80470 28.14494 29.55219 31.02980 32.58129 34.21035 35.92087 37.71691 33.60276 41.58289 43.66204 45.84514 48.13740 50.54427	20.30211 21.31722 22.38308 23.50223 24.67735 25.91121 27.20677 28.56711 29.99547 31.49524 33.07000 34.72350 36.45988 38.28266 40.19680 42.20664 44.31697 46.53282 48.85946 51.30243	19.62538 20.60665 21.63698 22.71883 23.85477 25.04751 26.29988 27.61488 27.61488 28.99562 30.44540 31.96767 33.56605 35.24436 37.00658 38.85690 40.79975 42.83974 44.98172 47.23081 49.59235 52.07197	20.91575 21.96153 23.05961 24.21259 25.42322 26.69438 28.02910 29.43055 30.90208 32.44719 34.06955 35.77302 37.56167 39.43976 41.41175 43.48233 45.65645 47.93927 50.33624 52.85305	21.22948 22.29096 23.40550 24.57578 25.80457 27.09480 28.44954 28.47954 28.4954 31.36561 31.36561 32.93389 34.58059 36.30962 38.12510 40.03135 42.03292 44.13457 46.34130 48.65836 51.09128 53.64584	20.52183 21.54792 22.62532 23.75659 24.94442 26.19164 27.50122 28.87628 30.32009 31.83610 33.42790 33.69930 36.85426 38.69698 40.63182 42.66342 44.79659 47.03642 44.79659 47.03642 51.85765	20.82966 21.87114 22.96470 24.11293 25.31858 26.58451 27.91374 29.3042 30.77489 32.31364 33.92932 35.62579 37.40708 39.27743 41.24130 43.30337 45.46853 47.74196 50.12006 52.63551	22.19921 23.00917 24.47463 25.69836 26.98328 28.33244 31.23652 32.79834 34.43226 36.16017 37.96818 39.86659 41.85992 41.85992 41.85992 43.95292 44.5505 46.15056 48.45809 50.88100 53.42505 56.09630	21.5924 22.53220 23.65881 24.84175 26.08384 27.38003 28.75743 30.19530 31.70507 33.29032 34.59483 36.70258 38.53771 40.46459 42.48782 44.61221 46.64221 46.84282 49.18496 51.64421 54.226472	22.87018 24.01369 25.21437 26.47509 27.79885 29.18879 30.64823 32.18064 33.78967 35.47916 37.25311 39.11577 41.07156 43.12514 45.28139 44.02156 43.2514 45.28139 47.54546 49.92274 55.03982 55.03982	22.10784 23.21323 24.37390 25.59259 26.87222 28.21583 29.62662 31.10795 32.66335 34.29652 36.01134 39.70251 41.68763 43.77201 45.96061 48.25865 50.67158 55.86541 55.86541	23.56143 24.73950 25.97648 27.27530 28.63907 30.07102 31.57457 33.15330 34.81097 36.55151 38.37909 40.29804 42.31295 44.42859 44.42859 44.65002 48.98253 51.43165 54.00323 56.70340 59.53857	22.77605 23.91485 25.11060 26.36613 27.68443 29.06865 30.52209 32.04819 33.65060 35.33313 37.09979 38.95478 40.90252 42.94764 45.09502 47.34977 49.71726 52.20313 54.81328 57.55395 60.43164	23.11769 24.27358 25.48726 26.76162 29.50468 30.97992 32.52891 34.15536 35.86313 37.65628 39.53910 41.51605 43.59186 45.77145 48.66002 50.46302 55.98617 55.63548 58.41726 61.33812	23.46446 24.63768 25.86956 27.16304 28.52119 29.94725 31.44462 33.01685 34.66769 36.40107 38.22113 40.13218 42.13879 44.24573 46.45802 44.78092 51.21997 53.78097 56.47001 59.29351 62.25819	23.81642 25.00725 26.25761 27.57049 28.94901 30.39646 31.91629 33.51210 35.18771 36.94709 38.79445 40.73417 42.77088 44.90942 47.15489 49.51264 51.98827 54.58768 57.31706 60.18292	24.17367 25.38235 26.65147 27.98405 29.38325 30.85241 32.39503 34.01478 35.71552 37.50130 39.37636 41.34518 43.41244 45.68306 41.34518 43.41244 45.68306 52.76809 55.40650 58.17682 61.08566 64.13994	25.76309 27.05124 28.40381 29.82400 31.31520 32.88096 34.52500 38.25125 38.06382 39.96701 41.96536 44.06363 45.26681 48.58015 51.00915 53.55961 56.23759 55.04947 62.00195	26.14954 27.45701 28.82986 30.27136 31.78492 33.37417 33.04288 36.79502 38.63477 40.56651 42.59484 44.72458 46.96081 49.30885 51.77429 54.36301 57.08116 55.93521 62.93198	25.27788 26.54178 27.86887 29.26231 30.72543 32.26170 33.87478 35.56852 39.21430 41.17501 43.23376 43.23376 43.23376 45.39545 47.66522 50.04848 52.55091 55.17845 57.93737 60.83424 63.87596 67.06975	26.93991 28.28690 29.70125 31.18631 32.74562 34.38290 36.10205 37.90715 39.80251 41.79264 43.88227 46.07638 48.38020 50.79921 53.33917 56.00613 58.80643 61.74676 64.83409	26.04191 27.34400 28.71120 30.14676 31.65410 33.23681 34.89865 36.64358 38.47576 40.39955 42.41952 44.54050 44.54050 45.16920 51.56120 54.13926 56.84622 59.68653 62.67296 65.80661 69.09694	26.43254 27.75416 29.14187 30.59897 32.12891 33.73536 35.42213 39.05290 41.005542 43.05582 45.20861 47.46904 49.84249 52.33462 54.95135 57.69891 60.58386 63.61305 66.79370 70.13339	26.82903 28.17048 29.57900 31.05795 32.61085 34.24139 35.95346 37.75113 39.63869 41.62062 43.70166 45.88674 48.18107 50.59013 55.77562 58.56440 61.49262 64.56725 67.79561 71.18539	27.23146 28.59303 30.02269 31.52382 33.10001 34.75501 36.49276 38.31740 40.23327 42.24493 44.35718 46.57504 48.57504 48.57504 48.59379 51.34898 55.91643 55.61225 59.44286 62.41501 65.53576 68.81254 72.25317	27.63993 29.02193 30.47303 31.99668 33.59651 35.27634 37.04015 38.89216 40.83677 42.87861 45.02254 47.27386 49.63735 52.11922 54.72518 57.46143 60.33451 63.35123 66.51879 69.84473 73.33697	28.05453 29.45726 30.93012 32.47663 34.10046 35.80548 37.59576 39.47554 41.44932 43.52179 45.69788 47.98277 50.38191 55.54605 55.54605 55.54605 58.32336 61.23952 64.30150 67.51658 70.89240 77.43702	28.47535 29.89912 31.39407 32.96378 34.61197 36.34256 38.15969 40.06768 42.07106 44.17461 46.38334 48.70251 51.13764 53.69452 56.37924 59.19821 62.15812 65.26602 65.26602 65.26602 71.96579 75.55358	105 106 107 108 109 110 111 111 113 114 115 116 117 116 117 118 119 120 121 122 123 124 125
105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126	17.94824 18.84565 19.78793 20.77733 21.81619 22.90700 24.05235 25.25497 25.25497 26.51772 27.84360 29.23578 30.69757 32.23245 33.84407 35.53628 37.31309 39.17875 41.13768 34.19457 43.345430 47.62201	18.21746 19.12833 20.08475 21.08899 22.14343 23.25061 24.41314 25.63379 26.91548 28.26126 29.67432 31.15804 32.71594 34.35174 36.06932 37.87279 39.76643 41.75475 43.84249 46.03461 48.33634 50.75316	18.49072 19.41526 20.38602 21.40532 22.47559 23.59937 24.77933 26.01830 27.31922 28.68518 30.11944 31.62541 33.20668 34.86701 36.61036 38.44088 40.36292 42.38107 44.50012 46.72513 49.06139 51.51146	18.76808 19.70649 20.69181 21.72640 22.81272 23.95336 25.15102 26.40858 27.72900 29.11545 30.57123 32.0979 33.70478 35.39002 37.15952 39.01749 40.96837 43.01679 45.16763 47.42601 49.79731 52.28717	20.00208 21.00219 22.05230 23.15491 24.31266 25.52829 26.80470 28.14494 29.55219 31.02980 32.58129 34.21035 35.92087 37.71691 39.60276 41.58289 43.66204 45.84514 48.13740 50.54427 53.07148	20.30211 21.31722 22.38308 23.50223 24.67735 25.91121 27.20677 28.56711 29.99547 31.49524 33.07000 34.72350 36.45968 38.28266 40.19680 42.20664 44.31697 46.53282 48.85946 51.30243 53.86755	19.62538 20.60665 21.63698 22.71883 23.85477 25.04751 26.29988 27.61488 28.99562 30.44540 31.96767 33.56605 35.24436 37.0658 33.66605 35.24436 37.0658 38.86690 40.79975 42.83974 44.98172 47.23081 49.59235 52.07197 54.67557	20.91575 21.96153 23.05961 24.21259 25.42322 26.69438 28.02910 29.43055 30.90208 32.44719 34.06955 35.77302 37.56167 39.43976 41.41175 43.48233 45.65645 41.41175 50.3624 52.85305 55.49570	21.22948 22.29096 23.40550 24.57578 28.60457 27.09480 28.44954 28.44954 29.87201 31.36561 32.93389 34.58059 36.30962 38.12510 40.03135 42.03292 44.13457 46.34130 48.65836 51.09128 53.64584 56.32813	20.52183 21.54792 22.62532 23.75659 24.94442 26.19164 27.50122 28.87628 30.32009 31.83610 33.42790 35.09930 36.85426 38.69968 40.63182 42.66342 44.79659 47.03642 49.38824 51.85765 54.45053 57.17306	20.82966 21.87114 22.96470 24.11293 25.31858 26.58451 27.91374 29.30942 30.77489 30.77489 30.77489 31.21364 33.92932 35.62579 39.27743 41.24130 39.27743 41.24130 39.27743 41.24130 31.24168 35.62551 55.12906 55.26729 55.26729	22,19921 23,30917 24,47463 25,69836 26,69832 28,33244 29,74906 31,23652 32,79834 34,43826 36,16017 39,86659 41,85992 43,95292 46,15056 48,45809 48,45809 50,88100 53,42505 56,09830	21.45924 22.53220 23.65881 24.84175 26.08384 27.38803 31.70507 31.70507 33.99032 34.95483 36.70258 38.53771 40.64559 42.48782 44.61221 46.64282 49.18496 49.18496 49.18496 51.64421 54.22642 56.33774	22.87018 24.01369 25.21437 26.47509 27.79885 29.18879 30.64823 32.18064 33.78967 35.47916 37.25311 39.11577 41.07156 43.12514 45.28139 47.54546 49.92274 55.241887 55.241887 55.03982 57.79181 60.68140	22.10784 23.21323 24.37390 25.59259 26.87222 28.21583 29.62662 31.10795 32.66335 34.29652 36.01134 39.70251 41.88763 43.77201 45.96061 45.96061 45.28865 50.67158 55.86541 58.65869 61.59162	23.56143 24.73950 25.97648 27.27530 28.63907 30.07102 31.57457 33.15330 34.81097 36.55151 38.37909 40.29804 42.31295 44.42859 44.231295 44.89253 51.43165 54.00323 55.70340 59.53857 62.51549	22.77605 23.91485 25.11060 26.36613 27.68443 29.06865 30.52209 32.04819 33.65060 35.33313 37.09979 38.95478 40.90252 42.94764 45.09502 42.94764 45.09502 42.94764 52.20313 54.81328 57.55395 60.43164 63.45323	23.11769 24.27358 25.48726 28.676162 28.09970 29.50468 30.97992 32.52891 34.15536 35.86313 37.65628 39.53910 41.51605 43.59186 45.77145 48.06002 55.46302 55.63548 55.63548 55.41726 61.33812	23.46446 24.63768 25.86956 27.16304 28.52119 29.94725 31.44462 33.01685 36.40107 38.22113 40.13218 40.13218 40.13218 42.13879 44.24573 44.45802 48.78092 51.21997 53.78097 56.47001 59.29351 62.25819 65.37110	23.81642 25.00725 26.25761 27.57049 28.94901 30.39646 31.91629 33.51210 36.94709 38.79445 40.73417 42.77088 44.90942 47.15489 49.51264 51.98827 54.58768 57.31706 60.18292 63.19206 66.35167	24.17367 25.38235 26.65147 27.98405 29.38325 30.85241 32.39503 34.01478 35.71552 37.50130 39.37636 41.34518 43.41244 45.88306 41.34518 43.41244 45.88306 47.86221 50.25532 55.40650 55.40650 55.17682 61.08566 64.13994 67.34694	25.76309 27.05124 28.40381 29.82400 31.31520 32.88096 34.52500 36.25125 38.06382 39.96701 41.96536 44.06363 44.26681 44.06363 45.26681 48.58015 51.50915 55.35961 56.23759 55.04947 62.00195 65.10204 68.35715	26.14954 27.45701 28.82986 30.27136 31.78492 33.37417 35.04288 36.79502 38.63477 40.56651 42.59484 44.72458 44.59484 44.72458 44.59484 44.72458 51.77429 51.36301 57.08116 55.93521 62.93198 66.07857 69.38250	25.27788 26.54178 27.86887 29.26231 30.72543 32.26170 33.87478 35.56852 39.21430 41.17501 43.23376 45.39545 47.66522 50.04948 45.39545 57.93737 60.83424 63.87596 67.06975 70.42324	26.93991 28.28690 29.70125 31.18631 32.74562 34.38290 36.10205 37.90715 39.80251 41.79264 43.88227 46.07638 48.38020 50.79921 53.33917 56.00613 58.80643 61.74676 64.83409 68.07580 71.47959	26.04191 27.34400 28.71120 30.14676 31.65410 33.23681 34.89865 36.64358 38.47576 40.39955 42.41952 44.54050 44.54050 46.76753 49.10590 51.56120 54.13926 56.84622 59.68853 62.67296 65.80661 69.09694 72.55178	26.43254 27.75416 29.14187 30.59897 32.12891 33.73536 35.42213 39.05290 41.00554 43.05582 45.20861 47.46904 49.84249 52.33462 54.95135 57.69891 60.58386 63.61305 66.79370 70.13339 73.64006	26.82903 28.17048 29.57900 31.05795 32.61085 34.24139 35.95346 37.75113 39.63869 41.62062 43.70166 45.88674 48.18107 50.59013 53.11963 55.77562 58.56440 61.49262 64.56725 67.79561 71.18539 74.74466	27.23146 28.59303 30.02269 31.52382 33.10001 34.75501 36.49276 38.31740 40.23327 42.24493 44.35718 46.57504 48.90379 51.34898 53.91643 56.61225 59.44286 62.41501 65.53576 68.81254 72.25317 75.86583	27.63993 29.02193 30.47303 31.99668 33.59651 35.27634 37.04015 38.89216 40.83677 42.87861 44.502254 45.02254 45.02254 47.27366 49.63735 52.11922 54.72518 57.46143 60.33451 63.35123 66.51879 69.84473 73.33697 77.00382	28.05453 29.45726 30.93012 32.47663 34.10046 35.80548 37.59576 39.47554 41.44932 43.52179 43.52179 43.52179 45.69788 47.98277 50.38191 52.90100 55.54605 56.32336 61.23952 64.30150 67.51658 70.89240 74.43702 74.15888	28.47535 29.8912 31.39407 32.96378 34.61197 36.34256 40.06768 42.07106 44.17461 44.17461 44.17461 44.17461 44.17461 53.69452 56.37924 48.70251 56.37924 65.29602 71.95759 75.55559	105 106 107 108 109 111 111 112 113 114 115 117 118 117 118 120 121 120 121 123 124 125
105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 121 122 123 124 125 126 127	17.94824 18.84565 19.76793 22.97773 21.81619 22.90700 24.05235 25.25497 26.51772 27.84360 29.23578 30.69757 32.23245 33.84407 35.53628 33.84407 35.53628 33.31309 39.17875 41.13768 43.19457 45.35430 47.62201 50.00311 52.50327	18.21746 19.12833 20.08475 21.08899 22.14343 23.25061 24.41314 25.63379 26.91548 28.26126 29.67432 31.15804 32.71594 34.35174 36.06932 37.87279 39.76643 41.75475 43.84249 46.03461 48.3654 50.75316 53.29082	18.49072 19.41526 20.38602 21.40532 22.47559 23.59937 24.77933 20.01830 27.31922 28.68518 30.11944 31.62541 33.20668 34.86701 36.61036 38.44088 40.36292 42.38107 44.50012 46.72513 49.06139 51.51446 54.09018	18.76808 19.70649 20.69181 21.72640 22.81272 23.95336 25.15102 26.40858 27.72900 29.11545 30.57123 32.0979 33.70478 35.39002 37.15952 39.01749 40.96837 43.01679 45.16763 47.42601 49.79731 52.28717 54.90153	20.00208 21.00219 22.05230 23.15491 24.31266 25.52829 26.80470 28.14494 29.55219 31.02980 32.58129 34.21035 35.92087 37.71691 39.60276 41.58289 43.66204 45.84514 48.13740 55.54227 53.07148	20.30211 21.31722 22.38308 23.50223 24.67735 25.91121 27.20677 28.56711 29.99547 31.49524 33.07000 34.72350 36.45968 38.28266 40.19680 42.20664 44.31697 46.53282 48.85946 51.30243 53.86755 56.56093	19.62538 20.60665 21.63698 22.7183 23.85477 25.04751 26.29988 27.61488 28.99562 30.44540 31.96767 33.56605 35.24436 37.00658 38.85690 40.79975 42.83974 44.98172 44.98172 44.98172 53.07197 54.67557 57.40934	20.91575 21.96153 23.05961 24.21259 25.42322 26.66438 28.02910 29.43055 30.90208 32.44719 34.06955 35.77302 37.56167 39.43976 41.41175 43.48233 45.65645 47.93927 50.33624 52.85305 55.49570 58.27048	21.22948 22.29096 23.40550 24.57578 28.80457 27.09480 28.44954 28.87201 31.36561 32.93389 34.58059 36.30962 38.12510 40.03135 42.03292 44.13457 46.54130 48.65836 51.09128 53.64584 56.32813 55.14454	20.52183 21.54792 22.62532 23.75659 24.94442 26.19164 27.50122 28.87628 30.32009 31.83610 33.42790 35.09930 35.65426 38.69698 40.63182 42.66342 44.79659 47.03642 44.79659 47.03642 51.85765 54.45053 57.17306	20.82966 21.87114 22.96470 24.11293 25.51858 26.58451 27.91374 29.30042 30.77489 32.21364 33.82932 35.62579 37.40708 39.27743 41.24130 43.30337 45.46853 47.74196 50.12906 52.63551 55.26729 58.03065 58.03065	22,19921 23,00917 24,47463 25,69836 26,89238 28,33244 29,74906 31,23652 32,79834 34,43826 36,16017 37,96818 39,86659 41,85992 43,95292 43,95292 43,95292 43,95292 43,95292 50,8659 50,88100 55,42605 56,09630 56,99630	21.45924 22.53220 23.65881 24.84175 26.08384 27.38803 28.75743 30.19530 31.70507 33.29032 34.95483 36.70258 38.53771 40.46459 42.48782 44.61221 46.84282 49.18496 51.64421 54.22642 56.83774 59.74863	22.87018 24.01369 25.21437 26.47509 27.79885 29.18879 30.64823 33.78967 35.47916 37.25311 39.11577 41.07156 43.12514 45.28139 47.54546 49.92274 52.41887 55.03982 57.79181 60.68140 63.71547	22.10784 23.21323 24.37390 25.59259 26.87222 28.21583 29.62662 31.10795 32.66335 34.29652 36.01134 37.81191 39.70251 41.68763 43.77201 45.96061 48.25865 50.67158 55.86541 58.85869 61.59162 64.67120	23.56143 24.73950 25.97648 27.27530 28.63907 30.07102 31.57457 33.15330 34.81097 36.55151 38.37909 40.28804 42.31295 44.42859 44.2859 44.42859 44.656002 48.98253 51.43165 54.00323 55.70340 59.53867 62.51549 65.64127	22.77605 23.91485 25.11060 26.36613 27.68443 29.06865 30.52209 32.04819 33.65060 35.33313 37.09979 38.95478 40.90252 42.94764 45.09502 47.34977 49.71726 52.20313 54.81328 57.55395 60.43164 63.45323	23.11769 24.27358 25.48726 26.76162 28.09970 29.50468 30.97992 32.52891 34.15536 35.86313 37.65628 39.53910 41.51605 43.59186 43.59186 43.59186 43.59186 43.59186 45.77145 48.66002 55.46302 55.63548 55.63548 55.63548 55.63548	23.46446 24.63768 25.86956 27.16304 28.52119 29.94725 31.44462 33.01685 34.66769 36.40107 38.22113 40.13218 42.13879 44.24573 44.24573 44.24573 44.24573 44.24573 45.8092 51.21997 53.78097 55.47001 59.29351 62.25819 65.37110	23.81642 25.00725 26.25761 27.57049 28.84901 30.39646 31.91629 33.51210 35.18771 36.94709 38.79445 40.73417 44.90942 47.15489 44.90942 47.15489 49.51264 51.98827 54.58768 57.31706 60.18292 63.19206 66.35167 69.66255	24.17367 25.38235 26.65147 27.98405 29.38325 30.85241 32.39503 34.01478 35.71552 37.50130 39.37636 41.34518 43.41244 45.58306 41.34518 43.41244 45.58306 41.34518 43.41244 45.58306 54.76829 55.40650 58.17682 61.08566 64.13994 67.34694 47.071429	25.76309 27.05124 28.40381 29.82400 31.31520 32.88096 34.52500 36.25125 38.06382 39.96701 41.96536 44.06363 46.26681 45.88015 51.00915 53.55961 55.355961 55.355961 55.355961 56.10204 68.35715 71.77500	26.14954 27.45701 28.82986 30.27136 31.78492 33.37417 35.04288 36.79502 38.63477 40.56651 42.59484 44.72458 46.96081 44.72458 46.96081 43.30885 51.77429 54.36301 57.08116 59.93521 62.93198 66.07857 69.38250 72.85163	25.27788 26.54178 27.86887 29.26231 30.72543 32.26170 33.87478 35.56852 37.34695 39.21430 41.17501 43.23376 45.39545 47.66522 50.04848 52.55091 55.17845 57.93737 60.83424 63.87596 67.06975 70.42324	26.93991 28.28690 29.70125 31.18631 32.74562 34.38290 36.10205 37.90715 39.80251 41.79264 43.88227 46.07638 48.38020 50.79921 55.33917 56.00613 58.80643 61.74676 64.83409 68.07580 71.4759 75.05357	26.04191 27.34400 28.71120 30.14676 31.65410 33.23681 34.89865 36.64358 38.47576 40.39955 42.41952 44.54050 46.76753 49.10590 51.56120 54.13926 56.84622 59.68853 62.67296 65.80661 69.09694 72.55178	26.43254 27.75416 29.14187 30.59897 32.12891 33.73536 35.42213 37.19323 39.05290 41.00554 43.05582 45.20861 47.46904 49.84249 52.33462 54.95135 57.69891 60.58386 63.81305 66.79370 70.13339 73.64006	26.82903 28.17048 29.57900 31.05795 32.61085 34.24139 35.95346 37.75113 39.63869 41.62062 43.70166 45.88674 448.18107 50.59013 53.17962 58.7562 58.7562 58.56440 61.49262 64.56725 67.79561 71.18539 74.74466	27.23146 28.59303 30.02269 31.52382 33.10001 34.75501 36.49276 38.31740 40.23327 42.24493 44.35718 46.57504 48.90379 51.34898 53.91643 55.61225 59.44286 62.41501 65.53576 68.81254 72.25317 75.865833 79.65912	27.63993 29.02193 30.47303 31.99668 35.27634 37.04015 38.89216 40.83677 42.87861 45.02254 47.27366 49.63735 52.11922 54.72518 57.46143 60.33451 60.33451 60.33451 60.33451 60.33451 60.33451 60.33451 77.00382	28.05453 29.45726 30.93012 32.47663 34.10046 35.80548 37.59576 39.47554 41.44932 43.52179 45.69788 47.98277 45.69788 47.98277 50.38191 52.90100 55.54605 55.32336 61.23952 64.30150 67.51658 70.89240 74.43702 78.15888	28.47535 29.8912 31.39407 32.96378 32.96378 32.96378 34.61197 36.34256 38.15969 40.06768 42.07106 44.17461 46.38334 48.70251 51.13764 53.69452 56.37924 59.18221 62.15812 65.25932 71.55579 75.55388 79.33126	105 106 107 108 109 110 111 112 113 114 115 116 117 118 117 118 117 120 121 122 121 122 124 125 126 127
105 106 107 108 109 110 111 111 112 113 114 115 116 117 118 119 120 121 121 121 122 123 124 125 126 127 128	17.94824 18.84565 19.78793 20.77733 21.81619 22.90700 24.05235 25.25497 25.25497 25.25497 25.25497 26.51772 27.84360 29.23578 30.69757 32.23245 33.84407 33.84407 35.53628 33.84407 35.53628 43.19457 45.35439 45.19457 45.35439 45.3542945.35429 45.35429 45.35429 45.35429 45.35429 45.3542945.35429 45.35429 45.35429 45.35429 45.35429 45.3542945.355429 45.35429 45.35429 45.35429 45.3544945.355429 45.35429 45.3542945.355429 45.3542945.355454555454555545455555555555555555	18.21746 19.12833 20.08475 21.08899 22.14343 23.25061 24.41314 26.63379 26.91548 28.26126 29.67432 31.15804 32.71594 34.35174 36.06932 37.87279 39.76643 41.75475 43.84249 46.03461 48.33634 50.75316 53.29082 55.95536	18.49072 19.41526 20.38602 21.40532 22.47559 23.59937 24.77933 26.01830 27.31922 28.68518 30.11944 31.62541 33.20668 34.86701 36.61036 38.44088 40.36292 42.38107 44.50012 46.72513 49.06139 51.51446 54.09018 56.79469	18.76808 19.70649 20.69181 21.72640 22.81272 23.95336 25.15102 26.40858 27.72900 29.11545 30.57123 32.09979 33.70478 35.39002 37.15952 39.01749 40.96837 43.01679 45.16763 47.42601 49.79731 52.28717 54.90153 57.64661	20.00208 21.00219 22.05230 23.15491 24.31266 25.52829 26.80470 28.14494 29.55219 31.02980 32.58129 34.21035 35.92087 37.71691 39.60276 41.58289 43.66204 45.84514 48.13740 50.54427 53.07148 55.72505	20.30211 21.31722 22.38308 23.50223 24.67735 25.91121 27.20677 28.56711 29.99547 31.49524 33.07000 34.72350 36.45988 38.28266 40.19680 42.20664 44.31697 46.53282 48.85946 51.30243 53.86755 56.56093 59.38898	19.62538 20.60665 21.63698 22.71883 23.85477 25.04751 26.29988 27.61488 27.61488 28.99562 30.44540 31.96767 33.56605 35.24436 37.00658 38.85690 40.79975 42.83974 44.98172 47.23081 49.59235 52.071197 54.67557 57.40934 60.27981	20.91575 21.96153 23.05961 24.21259 25.42322 26.69438 28.02910 29.43055 30.90208 32.44719 34.06955 35.77302 37.56167 39.43976 41.41175 43.48233 45.65645 47.93927 50.33624 52.85305 55.49570 58.27048 61.18401	21.22948 22.29096 23.40550 24.57578 25.80457 27.09480 28.4954 28.4954 29.87201 31.36561 32.93389 34.58059 36.30962 38.12510 40.03135 42.03292 44.13457 46.34130 46.5836 51.09128 53.64584 55.32813 59.14454 66.210177	20.52183 21.54792 22.62532 23.75659 24.94442 26.19164 27.50122 28.87628 30.32009 31.83610 33.42790 35.09930 36.85426 38.69968 40.63182 42.66342 44.79659 47.03642 49.38824 51.85765 54.45053 57.17306	20.82966 21.87114 22.96470 24.11293 25.31858 25.68451 27.91374 29.30942 30.77489 32.31364 33.92932 35.62579 37.40708 39.27743 41.24130 43.30337 45.46853 37.47789 50.12906 52.63551 52.6729 55.26729 55.30768	22.19921 23.00917 24.47463 25.69836 26.98328 28.33244 31.23652 32.79834 34.43826 34.43826 34.43826 34.61505 48.65056 48.45809 48.65056 48.45809 50.88100 55.342505 56.09630 58.90111 61.84617	21.4924 22.53220 23.65881 24.84175 26.08384 27.38003 28.75743 30.19530 31.70507 33.29032 34.59483 36.70258 38.53771 40.46459 42.48782 44.61221 46.64282 49.18496 51.64421 54.26472 54.26474 55.92455	22.87018 24.01369 25.21437 26.47509 27.79885 29.18879 30.64823 32.18064 33.78967 37.25311 39.11577 41.07156 43.12514 45.28139 44.54546 49.92274 55.03982 55.79181 60.68140 63.71547 66.90124	22.10784 23.21323 24.37390 25.59259 26.87222 28.21583 29.62662 31.10795 32.66335 34.29652 36.01134 39.70251 41.68763 43.77201 45.96061 48.25865 50.67158 53.20516 55.86541 55.86541 55.86541 55.86541 55.86541 55.86541 55.86541	23.56143 24.73950 25.97648 27.27530 30.07102 31.57457 33.15330 34.81097 36.55151 38.37909 40.29804 42.31295 44.42859 46.65002 44.42859 51.43165 54.00323 56.70340 59.53857 62.51549 65.64127 68.92333	22.77605 23.91485 25.11060 26.36613 27.68443 29.06865 30.52209 32.04819 33.65060 35.33313 37.09979 38.95478 40.90252 42.94764 45.09502 47.34977 49.71726 52.20313 54.81328 57.55395 60.43164 63.45323 66.62589	23.11769 24.27358 25.48726 26.76162 29.50468 30.97992 32.52891 34.15536 35.86313 37.65628 39.53910 41.51605 43.59186 45.77145 48.66002 50.46302 55.98617 55.63548 58.41726 61.33812 64.40502 67.62528	23.46446 24.63768 25.86956 27.16304 28.52119 29.94725 31.44462 33.01885 34.66769 36.40107 38.22113 40.13218 42.13879 44.24573 46.45802 44.78092 51.21997 53.78097 56.47001 59.29351 62.25819 65.37110 68.63966	23.81642 25.00725 26.25761 27.57049 28.94901 30.39646 31.91629 33.51210 35.18771 36.94709 38.79445 40.73417 42.77088 44.90942 47.15489 49.91264 51.98827 54.58768 57.31706 60.18292 63.19206 63.35167 69.669255 73.15271	24.17367 25.38235 26.65147 27.98405 29.38325 30.85241 32.39503 34.01478 35.71552 37.50130 39.37636 41.34518 43.41244 45.68306 41.34518 43.41244 45.68306 52.76809 55.40650 58.17682 61.08566 64.13994 67.34694 70.71429 74.25000	25.76309 27.05124 28.40381 29.82400 31.31520 32.88096 34.52500 36.25125 38.06382 39.96701 41.96536 44.06363 44.06363 44.06363 46.26681 48.58015 51.00915 53.55961 56.23759 55.04947 62.00195 65.10204 68.35715	26.14954 27.45701 28.82986 30.27136 31.78492 33.37417 35.04288 36.79502 38.63477 40.56651 42.59484 44.72458 46.96081 49.30885 51.77429 54.36301 57.08116 59.93521 62.93198 66.07857 69.38250 72.85163 76.49421	25.27788 26.54178 27.86887 29.26231 30.72543 32.26170 33.87478 35.56852 39.21430 41.17501 43.23376 43.23376 43.23376 43.23376 45.39545 47.66522 50.04848 52.55091 55.17845 55.17845 55.17845 63.87596 67.06975 70.42324 73.94440 73.94440	26.93991 28.28690 29.70125 31.18631 32.74562 34.38290 36.10205 37.90715 39.80251 41.79264 43.88227 46.07638 48.38020 50.79921 53.33917 56.00613 58.80643 61.74676 64.83409 68.07580 71.47959 75.05357 75.38638	26.04191 27.34400 28.71120 30.14676 31.65410 33.23681 34.89865 36.64358 38.47576 40.39955 42.41952 44.54050 44.54050 44.54050 45.16920 51.56120 54.13926 56.84622 59.68653 62.67296 65.80661 69.09694 72.55178 76.17937	26.43254 27.75416 29.14187 30.59897 32.12891 33.73536 35.42213 39.05290 41.00554 43.05582 45.20861 47.46904 49.84249 52.33462 54.95135 57.69891 60.58386 63.61305 66.79370 70.13339 73.64006 77.32206	20.82903 28.17048 29.57900 31.05795 32.61085 34.24139 35.95346 37.75113 39.63869 41.62062 43.70166 45.88674 48.18107 50.59013 55.77562 58.56440 61.49262 64.56725 67.79561 71.18539 74.74466 78.48189 78.82990	27.23146 28.59303 30.02269 31.52382 33.10001 34.75501 36.49276 38.31740 40.23327 42.24493 44.35718 46.57504 48.90379 51.34898 53.91643 56.61225 59.44286 62.41501 65.53576 68.81254 72.25317 75.86583	27.63993 29.02193 30.47303 31.99668 33.59651 35.27634 37.04015 38.89216 40.83677 42.87861 44.502254 45.02254 45.02254 49.63735 52.11922 54.72518 57.46143 60.33451 63.35123 66.51879 69.84473 73.33697 77.00382	28.05453 29.45726 30.93012 32.47663 34.10046 35.80548 37.59576 39.47554 41.44932 43.52179 43.52179 43.52179 45.69788 47.98277 50.38191 52.90100 55.54605 56.32336 61.23952 64.30150 67.51658 70.89240 74.43702 74.15888	28.47535 29.8912 31.39407 32.96378 34.61197 36.34256 40.06768 42.07106 44.17461 44.17461 44.17461 44.17461 44.17461 53.69452 56.37924 48.70251 56.37924 65.29602 71.95759 75.55559	105 106 107 108 109 110 111 111 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128
105 106 107 108 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 123 124 122 123 124 125 126 127 128 129	17.94824 18.84565 19.76793 22.97773 21.81619 22.90700 24.05235 25.25497 26.51772 27.84360 29.23578 30.69757 32.23245 33.84407 35.53628 33.84407 35.53628 33.31309 39.17875 41.13768 43.19457 45.35430 47.62201 50.00311 52.50327	18.21746 19.12833 20.08475 21.08899 22.14343 23.25061 24.41314 25.63379 26.91548 28.26126 29.67432 31.15804 32.71594 34.35174 36.06932 37.87279 39.76643 41.75475 43.84249 46.03461 48.3654 50.75316 53.29082	18.49072 19.41526 20.38602 21.40532 22.47559 23.59937 24.77933 20.01830 27.31922 28.68518 30.11944 31.62541 33.20668 34.86701 36.61036 38.44088 40.36292 42.38107 44.50012 46.72513 49.06139 51.51446 54.09018	18.76808 19.70649 20.69181 21.72640 22.81272 23.95336 25.15102 26.40858 27.72900 29.11545 30.57123 32.0979 33.70478 35.39002 37.15952 39.01749 40.96837 43.01679 45.16763 47.42601 49.79731 52.28717 54.90153	20.00208 21.00219 22.05230 23.15491 24.31266 25.52829 26.80470 28.14494 29.55219 31.02980 32.58129 34.21035 35.92087 37.71691 39.60276 41.58289 43.66204 45.84514 48.13740 55.54227 53.07148	20.30211 21.31722 22.38308 23.50223 24.67735 25.91121 27.20677 28.56711 29.99547 31.49524 33.07000 34.72350 36.45968 38.28266 40.19680 42.20664 44.31697 46.53282 48.85946 51.30243 53.86755 55.56093	19.62538 20.60665 21.63698 22.7183 23.85477 25.04751 26.29988 27.61488 28.99562 30.44540 31.96767 33.56605 35.24436 37.00658 38.85690 40.79975 42.83974 44.98172 44.98172 44.98172 53.07197 54.67557 57.40934	20.91575 21.96153 23.05961 24.21259 25.42322 26.66438 28.02910 29.43055 30.90208 32.44719 34.06955 35.77302 37.56167 39.43976 41.41175 43.48233 45.65645 47.93927 50.33624 52.85305 55.49570 58.27048	21.22948 22.29096 23.40550 24.57578 28.80457 27.09480 28.44954 28.87201 31.36561 32.93389 34.58059 36.30962 38.12510 40.03135 42.03292 44.13457 46.54130 48.65836 51.09128 53.64584 56.32813 55.14454	20.52183 21.54792 22.62532 23.75659 24.94442 26.19164 27.50122 28.87628 30.32009 31.83610 33.42790 33.83610 33.42790 36.85426 38.69698 40.63182 42.66342 44.79659 47.03642 44.79659 47.03642 51.85765 54.45053 57.17306 60.03171	20.82966 21.87114 22.96470 24.11293 25.51858 26.58451 27.91374 29.30042 30.77489 32.21364 33.82932 35.62579 37.40708 39.27743 41.24130 43.30337 45.46853 47.74196 50.12906 52.63551 55.26729 58.03065 58.03065	22,19921 23,00917 24,47463 25,69836 26,89238 28,33244 29,74906 31,23652 32,79834 34,43826 36,16017 37,96818 39,86659 41,85992 43,95292 43,95292 43,95292 43,95292 43,95292 50,8659 50,88100 55,42605 56,09630 56,99630	21.45924 22.53220 23.65881 24.84175 26.08384 27.38803 28.75743 30.19530 31.70507 33.29032 34.95483 36.70258 38.53771 40.46459 42.48782 44.61221 46.84282 49.18496 51.64421 54.22642 56.83774 59.74863	22.87018 24.01369 25.21437 26.47509 27.79885 29.18879 30.64823 33.78967 35.47916 37.25311 39.11577 41.07156 43.12514 45.28139 47.54546 49.92274 52.41887 55.03982 57.79181 60.68140 63.71547	22.10784 23.21323 24.37390 25.59259 26.87222 28.21583 29.62662 31.10795 32.66335 34.29652 36.01134 37.81191 39.70251 41.68763 43.77201 45.96061 48.25865 50.67158 55.86541 58.85869 61.59162 64.67120	23.56143 24.73950 25.97648 27.27530 28.63907 30.07102 31.57457 33.15330 34.81097 36.55151 38.37909 40.28804 42.31295 44.42859 44.2859 44.42859 44.656002 48.98253 51.43165 54.00323 55.70340 59.53867 62.51549 65.64127	22.77605 23.91485 25.11060 26.36613 27.68443 29.06865 30.52209 32.04819 33.65060 35.33313 37.09979 38.95478 40.90252 42.94764 45.09502 47.34977 49.71726 52.20313 54.81328 57.55395 60.43164 63.45323	23.11769 24.27358 25.48726 26.76162 28.09970 29.50468 30.97992 32.52891 34.15536 35.86313 37.65628 39.53910 41.51605 43.59186 43.59186 43.59186 43.59186 43.59186 45.77145 48.66002 55.46302 55.63548 55.63548 55.63548 55.63548	23.46446 24.63768 25.86956 27.16304 28.52119 29.94725 31.44462 33.01685 34.66769 36.40107 38.22113 40.13218 42.13879 44.24573 44.24573 44.24573 44.24573 44.24573 45.8092 51.21997 53.78097 55.47001 59.29351 62.25819 65.37110	23.81642 25.00725 26.25761 27.57049 28.84901 30.39646 31.91629 33.51210 35.18771 36.94709 38.79445 40.73417 44.90942 47.15489 44.90942 47.15489 49.51264 51.98827 54.58768 57.31706 60.18292 63.19206 66.35167 69.66255	24.17367 25.38235 26.65147 27.98405 29.38325 30.85241 32.39503 34.01478 35.71552 37.50130 39.37636 41.34518 43.41244 45.58306 41.34518 43.41244 45.58306 41.34518 43.41244 45.58306 54.76829 55.40650 58.17682 61.08566 64.13994 67.34694 47.071429	25.76309 27.05124 28.40381 29.82400 31.31520 32.88096 34.52500 36.25125 38.06382 39.96701 41.96536 44.06363 46.26681 45.88015 51.00915 53.55961 55.355961 55.355961 55.23759 59.04947 62.00195 65.10204 68.35715 71.77500	26.14954 27.45701 28.82986 30.27136 31.78492 33.37417 35.04288 36.79502 38.63477 40.56651 42.59484 44.72458 46.96081 44.72458 46.96081 43.30885 51.77429 54.36301 57.08116 59.93521 62.93198 66.07857 69.38250 72.85163	25.27788 26.54178 27.86887 29.26231 30.72543 32.26170 33.87478 35.56852 37.34695 39.21430 41.17501 43.23376 45.39545 47.66522 50.04848 52.55091 55.17845 57.93737 60.83424 63.87596 67.06975 70.42324	26.93991 28.28690 29.70125 31.18631 32.74562 34.38290 36.10205 37.90715 39.80251 41.79264 43.88227 46.07638 48.38020 50.79921 55.33917 56.00613 58.80643 61.74676 64.83409 68.07580 71.4759 75.05357	26.04191 27.34400 28.71120 30.14676 31.65410 33.23681 34.89865 36.64358 38.47576 40.39955 42.41952 44.54050 46.76753 49.10590 51.56120 54.13926 56.84622 59.68853 62.67296 65.80661 69.09694 72.55178	26.43254 27.75416 29.14187 30.59897 32.12891 33.73536 35.42213 37.19323 39.05290 41.00554 43.05582 45.20861 47.46904 49.84249 52.33462 54.95135 57.69891 60.58386 63.81305 66.79370 70.13339 73.64006	26.82903 28.17048 29.57900 31.05795 32.61085 34.24139 35.95346 37.75113 39.63869 41.62062 43.70166 45.88674 448.18107 50.59013 53.17962 58.7562 58.7562 58.56440 61.49262 64.56725 67.79561 71.18539 74.74466	27.23146 28.59303 30.02269 31.52382 33.10001 34.75501 36.49276 38.31740 40.23327 42.24493 44.35718 44.57504 48.57504 48.90379 51.34898 55.91643 56.61225 59.44286 62.41501 65.53576 68.81254 72.25317 75.86583 79.65912 80.01235	27.63993 29.02193 30.47303 31.99668 33.59651 35.27634 37.04015 38.89216 40.83677 42.87861 44.02254 47.27366 49.63735 52.11922 54.72518 57.46143 60.33451 63.35123 66.51879 69.84473 77.33697 77.0382 80.85401 81.21254	28.05453 29.45726 30.93012 32.47663 34.10046 35.80548 37.59576 39.47554 41.44932 43.52179 45.69788 47.98277 50.38191 55.54605 55.54605 55.54605 55.54605 55.54605 58.32336 61.23952 64.30150 67.51658 70.89240 77.4.3702 78.15888 82.06682 82.43072	28.47535 29.89912 31.39407 32.96378 34.61197 36.34256 38.15969 40.06768 42.07106 44.17461 44.207106 44.17461 44.370251 51.13764 53.69452 56.37924 59.19821 62.15812 65.26602 68.52932 71.955538 79.33126 83.26718	105 106 107 108 109 110 111 112 113 114 115 116 117 118 117 118 117 120 121 122 121 122 124 125 126 127
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23.15491 24.31266 25.52829 26.80470 28.14494 29.55219 31.02980 32.58129 34.21035 35.92087 37.71691 39.60276 41.58289 43.66204 45.84514 48.13740 50.54427 53.07148 55.72505 58.511311	20.30211 21.31722 22.38308 23.50223 24.67735 25.91121 27.20677 28.56711 29.99547 31.49524 33.07000 34.72350 36.45968 38.28266 40.19680 42.20664 44.31697 46.53282 48.85946 51.30243 55.86755 55.65093 59.388988	19.62538 20.60665 21.63698 22.71883 23.85477 25.04751 26.29988 27.61488 28.99562 30.44540 31.96767 33.56605 35.24436 37.00658 35.24436 37.00658 38.86690 40.79975 42.83974 44.98172 47.23081 49.59235 52.07197 54.67557 57.67557 57.672981 63.29380	20.91575 21.96153 23.05961 24.21259 25.42322 26.69438 28.02910 29.43055 30.90208 32.44719 34.06955 35.77302 37.56167 39.43976 41.41175 43.48233 45.65645 41.41175 52.85305 55.49570 58.27048 61.18401 64.24321	21.22448 22.29096 23.40550 24.57578 28.60457 27.09480 28.44954 29.87201 31.36561 32.93389 34.58059 38.12510 38.30962 38.12510 40.03135 42.03292 44.13457 46.34130 48.65836 51.09128 53.64584 55.29213 55.14454 62.20177	20.52183 21.54792 22.62532 23.75659 24.94442 27.50122 28.87628 30.32009 31.83610 33.42790 35.09930 36.85426 38.69938 40.63182 42.66342 44.79659 47.03642 49.38824 51.85765 54.45053 57.17306 60.03171 63.03330	20.82966 21.87114 22.96470 24.11293 25.31858 26.58451 27.91374 29.30942 30.77489 32.31364 33.92932 35.62579 35.62579 35.62579 37.40708 39.27743 41.24130 41.24130 41.24130 50.12906 52.63551 55.26729 55.26729 56.03065 60.93219 63.97879	22,19921 23,30917 24,47463 25,69836 26,69832 28,33244 29,74906 31,23652 32,79834 34,43826 36,16017 39,86659 41,85992 43,95292 46,15056 48,45809 50,88100 53,42505 56,09830 56,09830 56,09830 56,09830 56,09830 56,09830 56,09830 56,09830 56,09830 56,09830 56,09830 56,09830 56,09830 56,09830 56,09830 56,09830 56,09830 56,0984056,09840 56,09840 56,0984056,09840 56,09840 56,0984056,09840 56,09840 56,0984056,09840 56,09840 56,0984056,09840 56,09840 56,0984056,09840 56,098400 56,098400 56,098400 56,098400000000000000000000000000000000000	21.45924 22.53220 23.65881 24.84175 26.08384 27.38803 31.70507 31.70507 33.29032 34.95483 36.70258 38.53771 40.64559 42.48782 44.61221 46.64282 49.18466 49.18462 56.33774 57.336 57.356 57.36	22.87018 24.01369 25.21437 26.47509 27.79885 29.18879 30.64823 32.18064 33.78967 35.47916 37.25311 39.11577 41.07156 43.12514 45.28139 47.54546 49.92274 55.41887 55.03982 57.79181 60.68140 63.71547 66.90124	22.10784 23.21323 24.37390 25.59259 26.87222 28.21583 29.62662 31.10795 32.66335 34.29652 36.01134 39.70251 41.88763 43.77201 45.96061 48.25865 50.67158 53.20516 55.86541 58.65869 61.59162 64.67120 67.90476 71.30000	23.56143 24.73950 25.97648 27.27530 28.63907 30.07102 31.57457 33.15330 34.81097 36.55151 38.37909 40.29804 42.31295 44.42859 44.65002 48.98253 51.43165 54.00323 56.70340 59.53857 62.51549 65.64127 68.92333	22.77605 23.91485 25.11060 26.36613 27.68443 29.06865 30.52209 32.04819 33.65060 33.65060 35.33313 37.09979 38.95478 40.90252 42.94764 45.09502 47.34977 49.71726 52.20313 54.81328 57.55395 60.43164 63.45323 66.62589 69.95718	23.11769 24.27358 25.48726 28.09970 29.50468 30.97992 32.52891 34.15536 35.86313 37.65628 39.53910 41.51605 43.59186 45.77145 48.06002 55.46302 55.46302 55.63548 58.41726 61.33812 64.40502 67.62528 71.00654 71.55687	23.46446 24.63768 25.86956 27.16304 28.52119 29.94725 31.44462 33.01685 34.66769 36.40107 38.22113 40.13218 40.13218 42.13879 44.24573 40.13218 44.5802 48.78092 51.21997 53.78097 55.47001 55.29351 62.25819 65.37110 68.63966 72.07164 75.67522	23.81642 25.00725 26.25761 27.57049 28.94901 30.39646 31.91629 33.51210 36.94709 38.79445 40.73417 42.77088 44.90942 47.15489 49.51264 51.98827 54.58768 57.31706 60.18292 63.19206 66.35167 69.66925 73.15271 76.81035	24.17367 25.38235 26.65147 27.98405 29.38325 30.85241 32.39503 34.01478 35.71552 37.50130 39.37636 41.34518 43.41244 45.58306 41.34518 43.41244 45.58306 41.34518 43.41244 45.58306 55.40650 55.40650 55.40650 58.17682 61.08566 64.13994 67.34694 70.71429 74.25000 77.96250	25.76309 27.05124 28.40381 29.82400 31.31520 32.88096 34.52500 36.25125 38.06382 39.96701 41.96536 44.06363 45.26681 48.58015 51.00915 55.355961 56.23759 55.04947 62.00195 65.10204 66.35715 71.77500 75.36375	26.14954 27.45701 28.82986 30.27136 31.78492 33.37417 35.04288 36.79502 38.63477 40.56651 42.59484 44.72458 46.96081 44.72458 46.96081 49.30885 51.77429 54.36301 57.08116 55.93521 62.93198 66.07857 66.98250 72.85163 76.49421	25.27788 26.54178 27.86887 29.26231 30.72543 35.56852 39.21430 41.17501 43.23376 45.39545 47.66522 50.04948 52.55091 55.17845 57.93737 60.83424 63.87596 67.06975 77.042324 73.94440 77.64162	26.93991 28.28690 29.70125 31.18631 32.74562 34.38290 36.10205 37.90715 39.80251 41.79264 43.88227 46.07638 48.38020 50.79921 53.33917 56.00613 58.80643 61.74676 64.83409 68.07580 71.47959 75.38638	26.04191 27.34400 28.71120 30.14676 31.65410 33.23681 34.89865 36.64358 38.47576 40.39955 42.41952 44.54050 46.76753 49.10590 51.56120 54.13926 55.84822 59.68853 62.67296 65.80661 69.09664 72.55178 76.51747 76.51747	26.43254 27.75416 29.14187 30.59897 32.12891 33.73536 35.42213 39.05290 41.00554 43.05582 41.00554 45.20861 47.46904 49.84249 52.33462 54.95135 57.69891 60.58386 63.61305 66.79370 70.13339 73.64006 77.362406 77.362406 85.24757	26.82903 28.17048 29.57900 31.05795 32.61085 34.24139 35.95346 37.75113 39.63869 41.62062 43.70186 45.88674 48.18107 50.59013 53.11963 55.77562 58.56440 61.49262 64.56725 67.79561 71.18539 74.74466 78.84189 78.82990	27.23146 28.59303 30.02269 31.52382 33.10001 36.49276 38.31740 40.23327 42.24493 44.35718 46.57504 48.90379 51.34898 53.91643 56.61225 59.44286 62.41501 65.53576 68.81254 72.25317 75.86583 79.865912 80.01235 87.82418	27.63993 29.02193 30.47303 31.99668 33.59651 35.27634 37.04015 38.89216 40.83677 42.87861 44.502254 45.02254 47.27366 49.63735 52.11922 54.72518 57.46143 60.33451 63.35123 66.51879 69.84473 73.33697 77.00382 80.85401 81.21254	28.05453 29.45726 30.93012 32.47663 34.10046 35.80548 37.59576 39.47554 41.44932 43.52179 43.52179 43.52179 43.52179 45.69788 47.98277 50.38191 52.90100 55.54605 55.54605 55.32336 61.23952 64.30150 67.51658 70.89240 74.43702 74.43702 74.15888 82.06682 82.43072 90.47867	28.47535 29.8912 31.39407 32.96378 34.61197 36.34256 40.06768 42.07106 44.17461 44.17461 44.17461 44.17461 44.17461 53.69452 56.37924 48.70251 56.37924 65.26602 71.95579 75.55358 83.29782 83.667718	105 106 107 108 109 111 111 112 113 114 115 117 118 117 118 117 120 121 122 123 124 123 124 125 126 127 128 129
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52.28717 54.90153 57.64661 60.52884 63.55539	20.00208 21.00219 22.05230 23.15491 24.31266 25.52829 26.80470 28.14494 29.55219 31.02980 32.58129 34.21035 35.92087 37.71691 39.60276 41.58289 43.66204 45.84514 48.13740 55.74255 58.51131 61.43687	20.30211 21.31722 22.38308 23.50223 24.67735 25.91121 27.20677 28.56711 29.99547 31.49524 33.07000 34.72350 36.45968 38.28266 40.19680 42.20664 44.31697 46.53282 48.85946 51.30243 53.86755 55.56093 59.38988 62.35843 65.47635	19.62538 20.60665 21.63698 22.71883 23.85477 25.04751 26.29988 27.61488 28.99562 30.44540 31.96767 33.56605 35.24436 37.00658 38.85690 40.79975 42.83974 44.98172 42.83974 44.98172 47.23081 49.59235 52.07197 54.67557 57.40934 60.27981 63.22980	20.91575 21.96153 23.05961 24.21259 25.42322 26.66438 28.02910 29.43055 30.90208 32.44719 34.06955 35.77302 37.56167 39.43976 41.41175 43.48233 45.65645 47.93927 50.33624 52.85305 55.49570 58.27048 61.18401 64.24321 67.45537	21.22448 22.29096 23.40550 24.57578 28.80457 27.09480 28.44954 29.87201 31.36561 32.93389 34.58059 36.30962 38.12510 40.03135 42.03292 44.13457 46.54330 45.632813 56.32813 57.32813 57	20.52183 21.54792 22.62532 23.75659 24.94442 27.50122 28.87628 30.32009 31.83610 33.42790 33.83610 33.42790 36.85426 38.69698 40.63182 42.66342 44.79659 47.03642 43.8824 51.85765 54.45053 57.17306 60.03171 63.03330 66.18496 69.49421 72.96892	20.82966 21.87114 22.96470 24.11293 25.51858 26.58451 27.91374 27.91374 29.30042 30.77489 32.21364 33.92932 35.62579 35.21364 41.24130 43.30337 45.46853 47.74196 50.12906 52.63551 55.26729 55.803065 60.93219 63.97679 67.17773	22,19921 23,30917 24,47463 25,69836 26,69838 28,33244 29,74906 31,23652 32,79834 34,43826 36,16017 37,96818 39,86659 41,85992 46,15056 48,4509 50,88100 53,42505 56,09630 53,42505 56,09630 58,90111 64,3348 68,18647	21.45924 22.53220 23.65881 24.84175 26.08384 27.38803 28.75743 30.19530 31.70507 33.29032 28.75743 30.90527 33.29032 34.95483 36.70258 38.53771 40.464259 42.48782 44.61221 46.84282 49.18496 51.64421 54.22642 56.93774 59.78463 62.77386 65.91255 69.20818	22.87018 24.01369 25.21437 26.47509 27.79885 29.18879 30.64823 33.78967 35.47916 37.25311 39.11577 41.07156 43.12514 45.28139 47.54546 49.92274 45.28139 47.54546 49.92274 55.03982 57.79181 60.8140 63.71547 66.90124 70.24630 73.75862	22.10784 23.21323 24.37390 25.59259 26.87222 28.21583 29.62662 31.10795 32.66335 34.29652 36.01134 37.81191 39.70251 41.68763 43.77201 45.96061 48.25865 50.67158 53.20516 55.86541 58.65869 61.59162 64.67120 67.90476 71.90000 74.86500	23.56143 24.73950 25.97648 27.27530 28.63907 30.07102 31.57457 33.15330 34.81097 36.55151 38.37909 40.28804 42.31295 44.42859 44.2859 44.42859 44.656002 48.98253 51.43165 54.00323 56.70340 59.53857 62.51549 65.64127 68.92333 72.36950 75.98797	22.77605 23.91485 25.11060 26.36613 27.68443 29.06865 30.52209 32.04819 33.65060 35.33313 37.09979 38.95478 40.90252 42.94764 45.09502 47.34977 49.71726 52.20313 54.81328 57.55395 60.43164 63.45323 66.62589 69.95718 73.45504 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