

Revision of the crystal structure and chemical formula of haiweeite, Ca(UO₂)₂(Si₅O₁₂)(OH)₂·6H₂O

JAKUB PLÁŠIL,^{1,*} KARLA FEJFAROVÁ,¹ JIŘÍ ČEJKA,² MICHAL DUŠEK,¹ RADEK ŠKODA,³
AND JIŘÍ SEJKORA²

¹Institute of Physics ASCR, v.v.i., Na Slovance 2, 18221, Praha 8, Czech Republic

²Department of Mineralogy and Petrology, National Museum, Cirkusová 170, CZ-193 00, Praha 9, Czech Republic

³Institute of Geological Sciences, Faculty of Science, Masaryk University, Kotlářská 2, CZ-611 37, Brno, Czech Republic

ABSTRACT

The previously published crystal structure study suggested that haiweeite is orthorhombic, *Cmcm*, with $a = 7.125(1)$, $b = 17.937(2)$, $c = 18.342(2)$ Å, and $V = 2344.3(7)$ Å³, and an ideal chemical formula Ca[(UO₂)₂Si₅O₁₂(OH)₂]·3H₂O, with $Z = 4$. Using single-crystal X-ray diffraction and electron microprobe analysis we re-examined haiweeite from the Teofilo Otoni, Minas Gerais, Brazil. Our diffraction experiment provided weak reflections responsible for doubling of the b cell parameter (for the current space-group settings), leading finally to the choice of a different space group. Haiweeite is thus orthorhombic, the space group *Pbcn*, with the unit-cell parameters $a = 18.3000(5)$, $b = 14.2331(3)$, $c = 17.9192(5)$ Å, $V = 4667.3(2)$ Å³, and an ideal formula Ca[(UO₂)₂(SiO₃OH)₂(Si₃O₆)]·6H₂O (6.25 H₂O inferred from the thermal analysis; 7.50 H₂O from the structure model), with $Z = 8$. The structure refinement yielded $R_1 = 0.0512$ for 2498 observed reflections [$I_{\text{obs}} > 3\sigma(I)$] and $wR_2 = 0.1286$ for all 6117 unique reflections. Structure solution confirmed by subsequent refinement provided a structure model with full occupancies for U, Si, and Ca atoms, contrasting to previous average structure model. Although the general topology of our structure resembles that reported previously, all Si and O sites in our structure are fully occupied, in contrast to the previous structure determination.

Keywords: Haiweeite, uranyl silicate, sheets of polyhedra, crystal structure, X-ray diffraction

INTRODUCTION

Haiweeite was first found in 1959 at Coso Mountains, California, near the Haiwee Reservoir and described as a new mineral species by McBurney and Murdoch (1959). They ascribed a chemical formula Ca(UO₂)₂Si₆O₁₅·5H₂O, $Z = 2$, to it. Based on Weissenberg photographs they inferred haiweeite to be probably monoclinic, with the space group *P2/c*, and unit-cell parameters $a = 15.4$, $b = 7.05$, $c = 7.10$ Å, and $\beta = 107.52^\circ$. Since that find, haiweeite has been found on many localities in the world. Namely, exceptional specimens of haiweeite originate from Brazil pegmatite localities, such as Minas Gerais or São Paulo. The first structure determination was done by Rastsvetayeva et al. (1997) using X-ray single-crystal diffraction data on a twinned microcrystal. The reported crystal structure involved a new type of sheet of uranyl pentagonal bipyramids and silicate tetrahedra. However, their model could not be fully refined and resulted in an R -factor of 11.8% (using space group *P2₁2₁2₁*) and unit-cell dimensions $a = 14.263(3)$, $b = 17.988(3)$, $c = 18.395(3)$ Å. Later, Burns (2001) reported a full structure determination for a haiweeite crystal from Teofilo Otoni, Minas Gerais, Brazil. The crystal structure was refined to $R_1 = 4.2\%$ for 1181 unique observed reflections [$|F_o| \leq 4\sigma(F)$], for orthorhombic space group *Cmcm*, with $a = 7.125(1)$, $b = 17.937(2)$, $c = 18.342(2)$ Å, and $V = 2344.3(7)$ Å³ with $Z = 4$, and resulted in the structural formula Ca[(UO₂)₂Si₅O₁₂(OH)₂](H₂O)₃. Despite of the lower

R -factor and at the first glance reasonable structure solution, the crystal structure contains a few peculiar features similar to those reported by Jackson and Burns (2001) for weeksite, which has been later revisited by Fejfarová et al. (2012). The crystal structure of haiweeite provided by Burns (2001) contains a few Si and O sites, which are populated by 50 and 25%, respectively, indicating that the model is actually just a representation of an average structure. Also the coordination of the Ca atom yielded a strongly distorted octahedron, which is less usual in the oxysalts containing Ca²⁺. Our study presents a new determination of the haiweeite structure from single-crystal X-ray diffraction data. The refinement of the crystal structure of haiweeite was performed for the orthorhombic space group *Pbcn*.

EXPERIMENTAL METHODS

The haiweeite sample used in this study originates from the Teofilo Otoni, Minas Gerais, Brazil. Its chemical composition (Table 1) was analyzed using a Cameca SX100 electron microprobe at Masaryk University, Brno, with an operating voltage of 15 kV, 10 nA current, and 8 μm beam diameter. The following X-ray lines, crystals, and standards were selected to minimize line overlap: $K\alpha$ lines: Si (TAP, titanite), Ca (PET, titanite), K (PET, sanidine); and $M\beta$ lines: U (LPET, U metal). Peak counting times were 10–20 s for major elements and 40–60 s for minor or trace elements. Counting time on background was half of peak counting times. The measured intensities were converted to element concentrations using the “X-PHI” correction routine (Merlet 1994). Thermal analysis (TGA) of haiweeite was performed on a Stanton–Redcroft Thermobalance 750 using a 3.937 mg sample, a heating rate of 10 °C/min and a dynamic air atmosphere (10 mL/min).

The long prismatic, yellow haiweeite crystal with dimensions $0.352 \times 0.049 \times 0.023$ mm³ was selected and examined using an Oxford Diffraction Gemini single-crystal diffractometer equipped with the Atlas CCD detector and a mono-

* E-mail: plasil@fzu.cz

TABLE 1. Results of electron microprobe analyses (in wt%) of haiweeite

Constituent	This work				McBurney and Murdoch (1959)*
	Mean	Range	St.dev.	Det. lim.	
K ₂ O	0.11	0.04–0.22	0.05	0.05	–
CaO	5.72	5.59–5.87	0.09	0.01	5.4
SiO ₂	30.34	29.78–30.89	0.37	0.05	33.1
UO ₃	58.01	57.34–59.55	0.76	0.30	52.8
H ₂ O*	13.19				8.7
Total	107.38†	93.61–95.74			100.0
K	0.023				–
Ca	1.005				1.0
ΣM site	1.028				1.0
Si ⁴⁺	4.974				6.0
UO ₂	1.998				2.0
H ₂ O+OH	7.212				5.2

Notes: Mean = Mean of 6 representative analyses; coefficients of the empirical formula were calculated on the basis of (Si+U+K+Ca) = 8 O apfu. Range = Range of 6 representative analyses. St.dev. = Standard deviation of the 6 analyses (in wt%). Det. lim. = Detection limit (in wt%). H₂O* = Water content (in wt%) derived from the content of 7.28 H₂O (H₂O+OH) inferred from the thermal analysis of haiweeite. * High total affected by the uneven surface of the polished section, partial loss of molecular water under the vacuum and beam-damage during analysis. † Empirical formula calculated on the basis of 9 apfu reported in the primary reference.

TABLE 2. Summary of data collection conditions and refinement parameters for haiweeite

Crystal data	
Structural formula	Ca(UO ₂) ₂ (Si ₅ O ₁₂)(OH) ₂ ·7.5H ₂ O
Space group	<i>Pbcn</i>
<i>a</i> (Å)	18.3000(5)
<i>b</i> (Å)	14.2331(3)
<i>c</i> (Å)	17.9192(5)
<i>V</i> (Å ³)	4667.3(2)
<i>Z</i>	8
Calculated density (g/cm ³)	3.08
μ (mm ⁻¹), correction type	14.42, multi-scan
<i>T</i> _{min} / <i>T</i> _{max}	0.6799/1.0000
Crystal size (mm)	0.352×0.049×0.023
Data collection	
Radiation, wavelength (Å)	MoKα, 0.71073
θ range for data collection (°)	2.857–29.356
<i>h</i> , <i>k</i> , <i>l</i> ranges	–25< <i>h</i> <23, –18< <i>k</i> <19, –23< <i>l</i> <24,
Axis, frame width (°), time per frame (s)	ω, 1.0, 100
Total reflections collected	71814
Unique reflections	6117
Unique observed reflections [<i>I</i> _{obs} >3σ(<i>I</i>)]	2498
Data completeness to θ _{max} (%), <i>R</i> _{int}	99.75, 0.0749
Structure refinement by JANA2006	
Refinement method	Full-matrix least-squares on <i>F</i> ²
No. parameters, constraints, restraints	189, 5, 0
Weighting details	σ _w = 1/[σ ² (<i>I</i>) + 0.0016 <i>I</i>]
<i>R</i> ₁ , <i>wR</i> ₂ (obs)	0.0512, 0.1221
<i>R</i> ₁ , <i>wR</i> ₂ (all)	0.1286, 0.1505
GOF on <i>F</i> _{obs} ² /on <i>F</i> _{all} ²	1.84/1.42
Largest diff. peak and hole (e/Å ³)	9.70, –3.56

chromated MoKα radiation from a sealed X-ray tube, collimated with a fiber-optics Mo-Enhance collimator. Preliminary experiments provided unit-cell parameters matching those reported by Burns (2001), however by careful inspection of the frames, weak additional reflections were found. Therefore an extended exposure time (2 × 100 s/°) was set for the full data collection. These reflections were found to be caused by a doubling of the *a* parameter [a total of 4462 observed measured reflections with average *I*/σ(*I*) = 1.15]. The refined unit-cell parameters are: *a* = 14.2331(3), *b* = 17.9192(5), *c* = 18.3000(5) Å, with *V* = 4667.3(2) Å³. Along with the reflections caused by a doubling of the unit-cell volume, additional weak reflections were found on the frames. Analysis showed that these weak reflections might adhere to multiple crystals. Twinning matrices describing four twin domains were introduced into the later refinement, however, they were not improving the *R*-factor and did not affect the difference Fourier maxima (see below). Finally, diffuse scattering effects (as streaking of some reflections) were observed on the diffraction frames. They might be connected with some short-range ordering of, e.g., Ca atoms. An empirical absorption correction applied during the data reduction

using the program CrysAlis (multi-scan in ABSPACK3, CrysAlis RED, Agilent Technologies 2010) led to the internal *R*-factor 0.0749 for orthorhombic Laue symmetry *mmm*. The structure was solved using the charge-flipping algorithm of the Superflip program (Palatinus and Chapuis 2007). Based on systematic absences, a *P* cell was chosen leading to the orthorhombic unit-cell *Pbna*, which was further transformed to standard setting *Pbcn*. For the structure refinement, the software package JANA2006 (Petříček et al. 2006) was utilized. Details of the data collection and the structure refinement are listed in Table 2. The refinement of the structure proved that in the chosen space group all problematic disorders on SiO₄ tetrahedra disappear in contrast to the model proposed by Burns (2001). During the structure refinements U, Si, and Ca sites were assumed to be fully occupied, as indicated by the chemical analysis and later confirmed by the refinement. The occupation factor of the O25 site was set to 25% (50% of its refined occupancy) due to the fact that the separation distance to the symmetrically equivalent position is short (~2.4 Å). The final refinement provided very prolate ADP ellipsoids for atoms O20, O21, O24, and O26; they were treated as split positions (O20 and O20'; O21 and O21'; O24 and O24'; O25 and O25'; O26 and O26'). With the exception of the O26 and O26' sites, each pair has 50% occupancy and was refined with isotropic displacement parameters. The refinement, based on *F*², converged to a final *R*_{obs} = 0.0512, *wR*_{obs} = 0.1221, and GOF (obs) = 1.84 for 2498 observed [*I*_{obs}>3σ(*I*)] reflections. Final atomic coordinates and displacement parameters are given in Table 3 and selected bond distances in Table 4. The final difference Fourier analysis provided quite high values of 9.70 eÅ⁻³ with the two highest peaks located very close (0.21 Å) to both U1 and U2 atoms however, with a very small charge—the highest has 0.270. We found that introducing a refinement of twin component neither lead to a better fit to the data, nor to the vanishing of spurious Fourier peaks. Moreover, we suppose that these maxima are connected with Fourier synthesis artifacts, because they are present in *F*_{calc} maps at the same position as in the difference Fourier maps. When modeling the calculated structure from the high angle diffraction data only, the highest maxima disappear (CIF on deposit¹).

RESULTS

WDS study and thermal analysis

The accepted chemical formula of haiweeite in the current IMA mineral list is Ca(UO₂)₂Si₅O₁₂(OH)₂·3H₂O, based on the structure given by Burns (2001). However, our new structure refinement indicated that the studied crystal contains more H₂O than previously reported (see below). The chemical composition of the studied haiweeite crystal (Table 1) can be expressed by the empirical formula (Ca_{1.01}K_{0.02})_{1.03}[(UO₂)_{2.00}Si_{4.99}O₁₂(OH)₂]-6.28H₂O (see the thermal analysis), or simplified as Ca(UO₂)₂(Si₅O₁₂)(OH)₂·6H₂O. The major difference between the two simplified formulas lies in the H₂O content.

Haiweeite dehydrates and dehydroxylates in four partly overlapping steps: (1) release of 2.81 H₂O (4.75 wt% up to 88 °C); (2) 1.05 H₂O (1.78 wt% to 133 °C); (3) 1.20 H₂O (2.03 wt% 38 °C); (4) 2.22 H₂O = 1.22 H₂O + 2 OH (3.76 wt% to 614 °C). They are followed by release of some oxygen (0.51 wt%, which corresponds to ~0.19 O₂) from formation of calcium diuranate (up to 900 °C). The total weight loss from the TG is 12.83 wt%, which corresponds to the sum of 7.28 H₂O (including ~2 OH groups) and ~0.19 O₂. The end-products of the thermal decomposition are CaU₂O₇ and amorphous SiO₂. The difference between the expected theoretical content of water molecules and hydroxyl groups (the theoretical molecular weight of haiweeite containing 3 H₂O + 2 OH is 1000.633) and that experimentally observed (the molecular weight of haiweeite studied is 1065.207) prove

¹ Deposit item AM-13-041, CIF. Deposit items are available two ways: For a paper copy contact the Business Office of the Mineralogical Society of America (see inside front cover of recent issue) for price information. For an electronic copy visit the MSA web site at <http://www.minsocam.org>, go to the *American Mineralogist* Contents, find the table of contents for the specific volume/issue wanted, and then click on the deposit link there.

TABLE 3. Atomic coordinates, site occupancies, and atomic displacement parameters (in Å²) for haiweeite

Atom	x	y	z	$U_{eq}/U_{iso}†$	U^{11}	U^{22}	U^{33}	U^{12}	U^{13}	U^{23}
U1	0.24799(2)	0.12566(5)	0.034427(19)	0.01044(12)	0.0202(2)	0.00590(19)	0.00521(19)	0.00036(17)	-0.00001(18)	-0.0003(4)
U2	0.25411(2)	0.37558(6)	0.13863(2)	0.00964(12)	0.0174(2)	0.00550(19)	0.0060(2)	0.00020(17)	0.00013(17)	-0.0006(4)
Ca	0.01502(16)	0.8775(2)	0.13941(17)	0.0328(9)	0.0235(14)	0.0358(16)	0.0391(16)	-0.0045(15)	0.0043(12)	-0.0085(18)
Si1	0.24794(18)	0.3757(4)	-0.03695(15)	0.0120(9)	0.0249(18)	0.0058(13)	0.0053(13)	0.0023(13)	-0.0043(14)	-0.001(3)
Si2	0.25733(19)	0.1249(4)	0.20948(16)	0.0155(9)	0.034(2)	0.0060(13)	0.0061(13)	-0.0011(17)	-0.0019(13)	0.000(2)
Si3	0.1518(2)	0.1765(2)	0.3346(2)	0.0188(11)	0.023(2)	0.0167(19)	0.016(2)	-0.0042(15)	-0.0017(16)	0.0033(16)
Si4	0.2257(2)	0.3761(3)	0.33566(16)	0.0162(9)	0.0308(18)	0.0096(15)	0.0083(16)	-0.001(2)	0.0002(12)	-0.0013(18)
Si5	0.6434(2)	0.0704(2)	0.1641(2)	0.0168(11)	0.024(2)	0.0146(18)	0.0116(19)	0.0015(15)	0.0011(15)	0.0015(16)
O1	0.3209(5)	0.3724(8)	-0.0906(5)	0.026(2)						
O2	0.1575(5)	0.3700(7)	0.1472(5)	0.024(2)						
O3	0.1874(5)	0.1228(7)	0.2640(5)	0.025(2)						
O4	0.2445(4)	0.2879(7)	0.0201(6)	0.015(3)						
O5	0.2532(4)	0.0383(8)	0.1541(6)	0.013(3)						
O6	0.0648(5)	0.1658(7)	0.3307(5)	0.033(2)						
O7	0.3521(4)	0.3793(7)	0.1275(4)	0.0206(19)						
O8	0.3295(5)	0.1240(7)	0.2613(4)	0.0233(19)						
O9	0.2745(5)	0.3783(7)	0.2613(5)	0.025(2)						
O10	0.5547(5)	0.0806(7)	0.1601(5)	0.034(3)						
O11	0.2494(4)	-0.0369(7)	0.0179(6)	0.016(3)						
O12	0.2604(5)	0.2135(8)	0.1534(6)	0.020(3)						
O13	0.1708(6)	0.2849(6)	0.3323(5)	0.029(2)						
O14	0.2717(5)	0.3746(7)	0.4112(5)	0.026(2)						
O15	0.1772(5)	0.3762(8)	-0.0930(5)	0.025(2)						
O16	0.0480(7)	1.0429(8)	0.1545(7)	0.062(4)						
O17	0.1672(5)	0.4632(6)	0.3355(5)	0.029(2)						
O18	-0.0796(7)	0.9273(9)	0.2290(7)	0.066(4)						
O19	-0.0940(6)	0.7925(7)	0.1114(6)	0.053(3)						
O20*	0.0474(18)	0.812(2)	0.0137(18)	0.090(7)						
O20*	0.0374(17)	0.874(2)	0.0080(17)	0.090(7)						
O21*	0.0531(13)	0.7134(16)	0.1513(13)	0.051(5)						
O21*	0.0463(13)	0.7258(16)	0.1929(13)	0.051(5)						
O22	0.1504(5)	0.1248(7)	0.0458(4)	0.0226(19)						
O23	0.3452(5)	0.1270(7)	0.0257(4)	0.0226(19)						
O24*	0.075(2)	1.022(2)	-0.0745(17)	0.086(7)						
O24*	0.054(2)	1.016(2)	-0.0446(17)	0.086(7)						
O25*	0.470(2)	0.002(3)	0.056(2)	0.147(11)						
O25*	0.486(2)	-0.110(3)	0.160(2)	0.147(11)						
O26*	0.458(4)	-0.206(4)	0.051(3)	0.064(11)						
O26*	0.451(4)	-0.181(4)	0.018(3)	0.064(11)						

† U_{eq} is defined as a third of the trace of the orthogonalized U_j tensor.

* Atomic site is 50% occupied.

that the studied haiweeite contains more H₂O than was accepted before, i.e., approximately 7.28 H₂O.

Crystal structure

The basic features of the haiweeite structure determined from this study are quite similar to those reported by Burns (2001). There are two symmetrically distinct U⁶⁺ sites, coordinated by two strongly bonded O atoms to form UO₂²⁺ and additionally by five O atoms arranged at the equatorial vertices of pentagonal bipyramid. The (UO₂)O₅ pentagonal bipyramids share equatorial edges to form chains parallel to [010], which in turn share edges with SiO₄ tetrahedra (staggered along the chain length). Adjacent chains of uranyl polyhedra and silicate tetrahedra are cross-linked forming sheets parallel to (001) by sharing corners with the Si3 and Si4 tetrahedra (Fig. 1). The Si1, Si2, Si3, and Si5 tetrahedra share vertices, forming four-membered rings, with the linkage between the rings provided through vertex sharing with the Si4 tetrahedron (Fig. 1). Two of the tetrahedra contain protonated O atoms O6 (Si3) and O10 (Si5) as is indicated by the bond-valence analysis (Table 5).

In the structure of haiweeite, there is one unique Ca atom, [8]-coordinated as a distorted square antiprism by O atoms and H₂O (when considering unsplit O sites). Ca-polyhedra share edges forming dimers of the composition Ca₂(O_{Ur2})₂(H₂O)₁₂

in the interlayer (Fig. 2). The adjacent uranyl silicate sheets are linked through the dimers of Ca-polyhedra, where O7 (Ur) is coordinated to both the sheet and Ca atom. In the structure there are 12 O positions (including five split-sites) adhering to the molecular H₂O (Table 5), three of them (1+1 split site) are not coordinated to any cation and is linked to the structure only by hydrogen bonds as indicated by the bond-valence analysis (Table 5). The O...O separation distances found in the structure (Table 4) are quite characteristic for hydrous species bonded by hydrogen bonds. The H-atoms belonging to OH groups, which were not determined by the current refinement, are located at the apical oxygen atoms O6 and O10 (Table 5), which are oriented toward the interlayer (Fig. 2).

The experimental structural formula of haiweeite obtained from the refinement and bond-valence analysis (Table 5) is ¹⁸Ca(UO₂)₂(SiO₃OH)₂(Si₃O₆)(H₂O)_{7.5}, Z = 8.

DISCUSSION

The crystal structure of haiweeite is built upon sheets of uranyl pentagonal bipyramids and silicate tetrahedra, which are topologically different from uranophane group of minerals (Burns 2001, 2005), due to a different way of linkage between uranyl bipyramids and tetrahedral units. The structural sheets found in haiweeite are topologically identical to those found in

TABLE 4. Selected interatomic distances (in angstroms) for the structure of haiweeite

U1		U2		Ca	
U1–O22	1.796(9)	U2–O2	1.776(9)	Ca–O7 ⁱⁱ	2.442(8)
U1–O23	1.786(9)	U2–O7	1.805(7)	Ca–O16	2.445(12)
U1–O4	2.324(10)	U2–O4	2.470(11)	Ca–O18	2.465(13)
U1–O5	2.481(11)	U2–O5 ⁱⁱ	2.336(11)	Ca–O18 ⁱⁱⁱ	2.731(13)
U1–O11	2.333(10)	U2–O9	2.230(9)	Ca–O19	2.386(11)
U1–O12	2.482(11)	U2–O11 ⁱⁱ	2.497(11)	Ca–O20	2.49(4)
U1–O14 ⁱ	2.237(9)	U2–O12	2.325(11)	Ca–O20 ⁱ	2.39(4)
<U1–O _{U1} >	1.791	<U2–O _{U2} >	1.791	Ca–O21	2.45(3)
<U1–O _{eq} >	2.37	<U2–O _{eq} >	2.37	Ca–O21 ⁱ	2.43(3)
				Ca–O24 ^{iv}	2.48(2)
				Ca–O24 ^{iv}	2.60(3)
				<Ca–O>	2.48
				Si1	
				Si2	
				Si3	
Si1–O1	1.647(10)	Si2–O3	1.610(10)	Si3–O1 ^v	1.591(10)
Si1–O4	1.615(11)	Si2–O5	1.584(12)	Si3–O3	1.615(10)
Si1–O11 ⁱⁱ	1.586(11)	Si2–O8	1.615(9)	Si3–O6	1.601(10)
Si1–O15	1.638(10)	Si2–O12	1.614(12)	Si3–O13	1.582(9)
<Si1–O>	1.62	<Si2–O>	1.61	<Si2–O>	1.60
Si4		Si5			
Si4–O9	1.605(10)	Si5–O8 ⁱⁱⁱ	1.617(9)		
Si4–O13	1.643(10)	Si5–O10	1.631(10)		
Si4–O14	1.594(10)	Si5–O15 ^{viii}	1.607(10)		
Si4–O17	1.638(10)	Si5–O17 ^{ix}	1.587(9)		
<Si1–O>	1.62	<Si5–O>	1.61		
O1–O3 ⁱ	2.611(13)	O7–O20 ^{vi}	2.88(4)	O18–O24 ^{iv}	2.87(4)
O1–O4	2.709(14)	O7–O20 ^{vi}	2.95(4)	O19–O24 ^{iv}	2.75(3)
O1–O6 ⁱ	2.581(13)	O7–O21 ^{vi}	2.97(3)	O19–O26 ^{xiv}	2.93(6)
O1–O11 ⁱⁱ	2.665(14)	O8–O10 ^{vii}	2.618(13)	O20–O20 ⁱ	0.91(4)
O1–O13 ⁱ	2.635(14)	O8–O12	2.638(13)	O20–O21	2.82(4)
O1–O15	2.631(13)	O8–O15 ^v	2.614(11)	O20–O26 ^{xv}	2.54(6)
O1–O24 ^{vi}	2.87(3)	O8–O17 ^{vi}	2.648(13)	O20–O26 ^{xiv}	2.65(6)
O2–O5 ⁱⁱ	2.902(14)	O8–O21 ^{vii}	2.97(2)	O20 ⁱ –O24	2.65(4)
O2–O9	2.963(13)	O9–O13	2.643(13)	O20 ⁱ –O24 ^v	2.78(5)
O2–O12	2.919(14)	O9–O14	2.687(13)	O20 ⁱ –O24 ⁱ	2.24(4)
O2–O25 ⁱⁱⁱ	2.65(4)	O9–O17	2.662(13)	O20 ⁱ –O24 ^{iv}	2.37(5)
O2–O26 ⁱⁱ	2.93(6)	O9–O18 ^{ix}	2.765(16)	O20 ⁱ –O26 ^{xiv}	2.99(6)
O3–O5	2.603(14)	O10–O15 ^{viii}	2.617(13)	O21–O21 ⁱ	0.79(3)
O3–O6	2.615(13)	O10–O17 ^{ix}	2.653(13)	O21 ⁱ –O21 ⁱⁱⁱ	2.65(3)
O3–O8	2.601(13)	O10–O21 ^{vi}	2.73(3)	O22–O24 ^{xv}	2.94(4)
O3–O12	2.716(14)	O10–O21 ^{vii}	2.83(3)	O22–O24 ^{xv}	2.86(4)
O3–O13	2.629(13)	O10–O25	2.67(4)	O23–O25	2.95(4)
O4–O11 ⁱⁱ	2.496(14)	O11–O15 ^{vi}	2.699(14)	O24–O24 ⁱ	0.65(5)
O4–O12	2.629(15)	O11–O22	2.970(13)	O24 ⁱ –O24 ^{iv}	2.59(5)
O4–O15	2.684(14)	O11–O23	2.921(13)	O25–O25 ^{vii}	2.29(5)
O4–O22	2.925(13)	O13–O14	2.653(13)	O25–O25 ^v	2.48(6)
O4–O23	2.941(13)	O13–O17	2.539(12)	O25–O26	2.97(7)
O5–O8	2.670(13)	O14–O17	2.662(13)	O25–O26 ⁱ	2.71(7)
O5–O11	2.666(15)	O14–O19 ^{ix}	2.751(14)	O25 ⁱ –O26	2.40(7)
O5–O12	2.497(16)	O14–O22 ^v	2.799(12)	O25 ⁱ –O26 ⁱ	2.78(7)
O5–O22	2.970(13)	O14–O23 ^v	2.964(12)	O26–O26 ⁱ	0.70(8)
O6–O13	2.575(13)	O15–O17 ^{xii}	2.627(14)		
O6–O16 ^x	2.720(15)	O15–O19 ^{xiii}	2.862(15)		
O7–O9	2.787(12)	O16–O18 ⁱⁱⁱ	2.720(18)		
O7–O11 ⁱⁱ	2.955(12)	O16–O22 ^{xiii}	2.946(15)		
O7–O12	2.933(14)	O16–O24 ^{iv}	2.83(4)		
O7–O16 ^{vi}	3.000(15)	O16–O24 ^{iv}	2.83(4)		
O7–O18 ^{ix}	2.940(15)	O18–O19	2.862(16)		

Notes: Symmetry codes: (i) $-x+1/2, -y+1/2, z-1/2$; (ii) $-x+1/2, y+1/2, z$; (iii) $-x, y, -z+1/2$; (iv) $-x, -y+2, -z$; (v) $-x+1/2, -y+1/2, z+1/2$; (vi) $-x+1/2, y-1/2, z$; (vii) $-x+1, y, -z+1/2$; (viii) $x+1/2, -y+1/2, -z$; (ix) $x+1/2, y-1/2, -z+1/2$; (x) $-x, y-1, -z+1/2$; (xi) $x, -y+1, z-1/2$; (xii) $-x, -y+1, -z$; (xiii) $x, y+1, z$; (xiv) $x-1/2, -y+1/2, -z$; (xv) $x, y-1, z$; (xvi) $-x+1, -y, -z$.

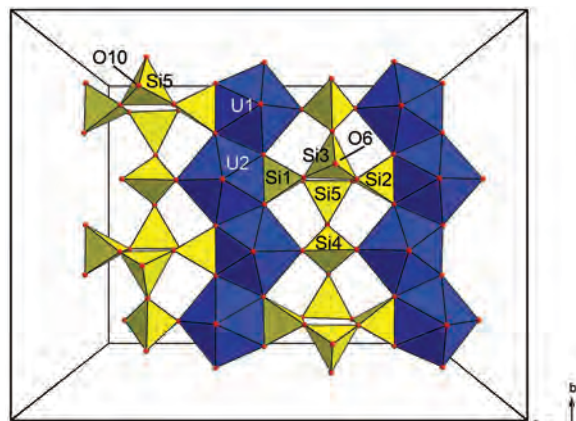


FIGURE 1. Uranyl silicate sheets in the crystal structure of haiweeite. Uranyl pentagonal bipyramids (blue) extending along [100] and chains of silicate tetrahedra are linked together by sharing of vertices and an edge between uranyl bipyramid and Si1 and Si2 tetrahedra. (Color online.)

TABLE 5. Bond-valence analysis for haiweeite

	U1	U2	Ca	Si1	Si2	Si3	Si4	Si5	ΣBV	Assignment
O1				0.94		1.09			1.93	O
O2		1.70							1.70	O
O3					1.04	1.02			2.06	O
O4	0.59	0.45		1.02					2.06	O
O5	0.44	0.58			1.11				2.13	O
O6						1.06			1.06	OH
O7		1.61	0.28						1.89	O
O8					1.02			1.02	2.04	O
O9		0.71					1.05		1.76	O
O10								0.98	0.98	OH
O11	0.58	0.42		1.11					2.11	O
O12	0.44	0.59			1.03				2.06	O
O13						1.12	0.95		2.07	O
O14	0.70						1.08		1.78	O
O15				0.96				1.05	2.01	O
O16			0.27						0.27	H ₂ O
O17							0.96	1.11	2.07	O
O18			0.39						0.39	H ₂ O
O19			0.32						0.32	H ₂ O
O20		0.24↓×0.5							0.24	H ₂ O
O20 ⁱ		0.32↓×0.5							0.32	H ₂ O
O21		0.27↓×0.5							0.27	H ₂ O
O21 ⁱ		0.29↓×0.5							0.29	H ₂ O
O22	1.63								1.63	O
O23	1.67								1.67	O
O24		0.25↓×0.5							0.25	H ₂ O
O24 ⁱ		0.18↓×0.5							0.18	H ₂ O
O25									0.00	H ₂ O
O25 ⁱ									0.00	H ₂ O
O26									0.00	H ₂ O
O26 ⁱ									0.00	H ₂ O
ΣBV	6.05	6.06	2.04	4.03	4.20	4.29	4.04	4.16		

Notes: Values are expressed in valence units (v.u.). Occupancy of the split O atoms implemented into calculations. Ca–O, bond strengths from Brown and Altermatt (1985); Si–O bond strengths from Brese and O’Keeffe (1991); U⁶⁺–O bond strengths ($r_0 = 2.051, b = 0.519$) from Burns et al. (1997).

weeksite (Burns 2005; Fejfarová et al. 2012), but in the latter, the sheets are connected to form a framework based on the sharing of oxygen atoms at the vertices of silicate tetrahedra.

Despite of general similarities between the current structure determination and the structure suggested by Burns (2001), there are some significant differences. As was mentioned in the introduction, the previous structure determination identified a number of atomic sites [Si(3), Si(4) and O(6), O(8), O(9), OH(10),

H₂O(11), H₂O(12), H₂O(13); labeling after Burns 2001], which are 50 or 25% occupied. Burns (2001) noticed that there was no evidence for twinning in the structure, and he commented the model to be a representation of an average structure. By the current study we found the *b* cell parameter to be doubled, with the weak reflections responsible for that. Burns (2001) noted that the crystal was checked for doubling of the corresponding unit-cell parameter (parameter *a* in that case) using an APEX detector.

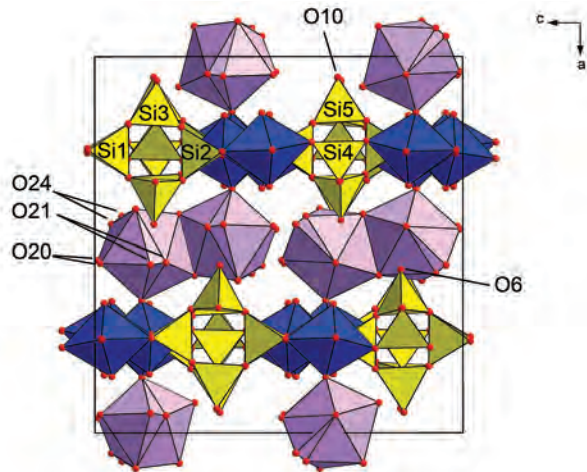


FIGURE 2. Crystal structure of haiweeite in the view along [010]. Adjacent sheets of uranyl pentagonal bipyramids and silicate chains (labeled) are linked through the sharing of dimers of Ca-polyhedra (purple) in interlayer. Labeled are atoms belonging to OH groups (O6, O10) and split-sites of the (H₂O) groups (O20, O21, O24). Other (H₂O) non-bonded to any interstitial cation were omitted for clarity. Unit-cell edges are outlined by a thick solid black line. (Color online.)

No significant reflections were observed that would indicate a doubling of the one cell axis despite careful examination. The crystal used by Burns (2001) for the structure determination was considerably smaller (about six times in crystal volume) than the one used in the current study. We suspect that this may be the reason why the weak reflections were not observed in the previous study.

Our choice of the unit cell is similar to that of Rastsvetaeva et al. (1997), however, based on reflection conditions a different orthorhombic space group was chosen. The refinement of the current structure model provided full site occupancies for all atomic sites, which were described by Burns (2001) as disordered with lowered occupancies, except for the ones belonging to molecular H₂O. The current solution provided a coordination of Ca²⁺ in the interlayer as a distorted eightfold-coordination polyhedron, forming dimers, compared to the previous model, proposing a strongly distorted octahedron. This is reflected in the different number of water molecules coordinated to Ca²⁺. In the case of the current study, we inferred 6.28 H₂O from the thermal analysis and 7.50 H₂O corresponding to the O sites belonging to

hydrous species in the structure model. Due to the fact that the refinement of occupational factors for O atoms in the presence of heavy-scattering U atoms (and only poor absorption correction) may provide misleading results, the site occupancies for O atoms of the H₂O groups were not refined. The question of a possible variability in H₂O content remains open as well as the related issue concerning the stability of these structures. It is also possible that the haiweeite structure can possess [6]-coordinated Ca, with 3 H₂O in the interlayer and with the same composition of the sheets as in the case of our current study. Let us try to elucidate these questions using simple considerations resulting from the bond-valence approach (according to Schindler and Hawthorne 2008).

The structural sheets in haiweeite of the composition [(UO₂)₂Si₅O₁₂(OH)₂]²⁻ found by Burns (2001) and confirmed by the current study are characterized by charge deficiency per anion (CDA) value of 0.13 v.u. The Lewis basicity characteristic for the sheet of such composition was calculated to be in the range 0.13–0.24 v.u.; this value is similar to the uranophane group of minerals (0.15–0.25 v.u.) and to kasolite (0.19–0.25 v.u.) (Schindler and Hawthorne 2008). The corresponding Lewis acidity of the interstitial complex in haiweeite, while calculating [8]-Ca and seven H₂O, is 0.16 v.u., thus within the range of Lewis basicity of the structure sheets. In that case, all transformer (H₂O) groups are considered to be fully occupied; in reality the value of the Lewis acidity will be higher. The bond-valence distribution factor *D*, which is the ratio between the number of anions in the structural unit and the number of bonds emanating from interstitial cations plus OH groups of the structural unit, determines the number and the type of H₂O groups in the interstitial species (Schindler and Hawthorne 2008). Consequently, this parameter can be used as a measure of degree of polymerization of the structural units, because less polymerized sheets (lower density of bond-valence acceptors) contain fewer H₂O in interlayer and vice versa (Schindler and Hawthorne 2008). Note that, e.g., the number of OH at the structural unit and the number of bonds from interstitials are not mutually independent values. The factor *D* was used by Schindler and Hawthorne (2008) to predict the total number of H₂O and also the number of transformer H₂O groups in the interlayer. The calculated values of *D*, the total number of predicted H₂O, the number of predicted transformer H₂O and the number of observed H₂O for haiweeite and other uranyl silicates are given in Table 6. We can read from this table that with increasing *D*, the measure of the polymerization of the sheets and the H₂O content (either calculated or observed) in the

TABLE 6. Values of the bond-valence distribution factor *D* and the number of predicted and observed H₂O for uranyl silicate minerals based on the bond-valence approach

Mineral (reference)	Formula	<i>D</i>	Predicted			Observed
			Total H ₂ O	Trans. H ₂ O	Other H ₂ O	Total H ₂ O
Soddyite (Demartin et al. 1992)	[(UO ₂) ₂ SiO ₄ (H ₂ O) ₂]	0		-4		2
Kasolite (Fejfarová et al. 2013)	[(UO ₂)(SiO ₃) ²⁻⁶ Pb](H ₂ O)	0.75	1	-1		1
Boltwoodite (Burns 1998)	¹⁷¹ K[(UO ₂)SiO ₃ OH](H ₂ O)	0.75	1	-1		1
Natroboltwoodite (Burns 1998)	¹⁶¹ Na[(UO ₂)SiO ₃ OH](H ₂ O)	0.86	2	0	2	1
Weeksite (Fejfarová et al. 2012)	¹⁷¹ K ¹⁸¹ K[(UO ₂) ₂ Si ₅ O ₁₃](H ₂ O) ₄	1.13	3	1	2	4
Uranophane (Ginderów 1988)	¹⁷¹ Ca[(UO ₂)SiO ₃ OH] ₂ (H ₂ O) ₅	1.33	4	2	2	5
Cuprosklodowskite (Rosenzweig and Ryan 1975)	¹⁶¹ Cu ²⁺ [(UO ₂)SiO ₃ OH] ₂ (H ₂ O) ₆	1.50	5	2	3	6
Sklodowskite (Ryan and Rosenzweig 1977)	¹⁶¹ Mg[(UO ₂)(SiO ₃ OH)] ₂ (H ₂ O) ₆	1.50	5	2	3	6
Oursinite (Kubatko and Burns 2006)	¹⁶¹ (Co _{0.8} Mg _{0.2})[(UO ₂)(SiO ₃ OH)] ₂ (H ₂ O) ₆	1.50	5	2	3	6
Haiweeite (struct., this study)	¹⁸¹ Ca[(UO ₂) ₂ Si ₅ O ₁₂ (OH) ₂](H ₂ O) _n	1.80	6	3	3	6.28/7.50*
Haiweeite (calc., this study)	¹⁷¹ Ca[(UO ₂) ₂ Si ₅ O ₁₂ (OH) ₂](H ₂ O) _n	2.00	8	4	4	-
Haiweeite (Burns 2001)	¹⁶¹ Ca[(UO ₂) ₂ Si ₅ O ₁₂ (OH) ₂](H ₂ O) ₃	2.25	9	5	4	3

* Thermal analysis/structure refinement.

interlayer also increases. The Ca^{2+} cation in solids usually has a coordination number of [6], [7], or [8]. Burns (2001) reported that Ca^{2+} in haiweeite has a distorted octahedral coordination. In such a case, according to BV calculations, there should be a total of nine H_2O (including at least five transformer H_2O) to transfer bond-valence from interstitial to acceptors in the structure sheets. Burns (2001) gave a sum of three H_2O based on the refinement. For the case that all of these three (H_2O) will be transformer groups, we infer six bonds from H atoms to the acceptors, therefore at least two additional transformer (H_2O) groups will be needed to transfer the bond valence from cations to anions. These H_2O groups are missing in the model of Burns (2001). Conversely, calculations based on the current structure determination, which provided Ca^{2+} in a distorted eightfold coordination, suggest that six H_2O should be present, three transformer groups and three non- or inverse-transformer H_2O . The current structure model involves seven O sites, where two shared oxygen atoms (O18) belong to non-transformer H_2O and the five remaining sites to transformer and non-transformer H_2O . A decrease of the H_2O content, and thus some restricted variability in it, may be possible for haiweeite, but if so, it should be connected to some change in the composition of the sheets, especially in the OH content.

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_publ_section_table_legends
?

```

```
#=====
data_I
```

```
_refine_ls_matrix_type    full
#Added by publCIF
```

```
_atom_sites_solution_secondary  difmap
#Added by publCIF
```

```
_atom_sites_solution_primary    direct
#Added by publCIF
```

```
#=====
```

```
# 5. CHEMICAL DATA
```

```
_chemical_name_systematic
?
_chemical_name_common          ?
_chemical_formula_moiety       ?
_chemical_formula_structural   ?
_chemical_formula_analytical   ?
_chemical_formula_iupac        ?
_chemical_formula_sum           'Ca1 H17 O25.5 Si5 U2'
_chemical_formula_weight       1081.7
_chemical_melting_point        ?
_chemical_compound_source      ?
_chemical_absolute_configuration .
```

```
#=====
```

```
# 6. CRYSTAL DATA
```

```
_symmetry_cell_setting        orthorhombic
_symmetry_space_group_name_H-M 'P b c n'
_symmetry_space_group_name_Hall '-P -2xab;-2yc;-2zabc'
_symmetry_Int_Tables_number    60
loop_
  _symmetry_equiv_pos_site_id
  _symmetry_equiv_pos_as_xyz
1  x,y,z
2  -x+1/2,-y+1/2,z+1/2
3  -x,y,-z+1/2
4  x+1/2,-y+1/2,-z
5  -x,-y,-z
6  x+1/2,y+1/2,-z+1/2
7  x,-y,z+1/2
```

8	-x+1/2,y+1/2,z	
_cell_length_a		18.3000(5)
_cell_length_b		14.2331(3)
_cell_length_c		17.9192(5)
_cell_angle_alpha		90
_cell_angle_beta		90
_cell_angle_gamma		90
_cell_volume		4667.3(2)

loop_

_jana_cell_twin_matrix_id		
_jana_cell_twin_volume_fraction		
_jana_cell_twin_matrix_1_1		
_jana_cell_twin_matrix_1_2		
_jana_cell_twin_matrix_1_3		
_jana_cell_twin_matrix_2_1		
_jana_cell_twin_matrix_2_2		
_jana_cell_twin_matrix_2_3		
_jana_cell_twin_matrix_3_1		
_jana_cell_twin_matrix_3_2		
_jana_cell_twin_matrix_3_3		
????????		
_cell_formula_units_Z		8
_cell_measurement_reflms_used		?
_cell_measurement_theta_min		?
_cell_measurement_theta_max		?
_cell_measurement_temperature		293
_cell_special_details		
?		
_exptl_crystal_density_diffn		3.0777
_exptl_crystal_density_meas		?
_exptl_crystal_density_method		?
_exptl_crystal_F_000		3824
_exptl_absorpt_coefficient_mu		14.446
_exptl_crystal_description		?
_exptl_crystal_size_max		?
_exptl_crystal_size_mid		?
_exptl_crystal_size_min		?
_exptl_crystal_size_rad		?
_exptl_crystal_colour		?
_exptl_absorpt_correction_type		?
_exptl_absorpt_process_details		?
_exptl_absorpt_correction_T_min		?
_exptl_absorpt_correction_T_max		?

#=====

7. EXPERIMENTAL DATA

_exptl_special_details		?
_diffn_ambient_temperature		293

```

_diffrn_source ?
_diffrn_source_power ?
_diffrn_source_voltage ?
_diffrn_source_current ?
_diffrn_radiation_type 'Mo K\alpha'
_diffrn_radiation_source 'X-ray tube'
_diffrn_radiation_wavelength 0.7107
_diffrn_radiation_monochromator graphite
_diffrn_measurement_device 'four-cycle diffractometer'
_diffrn_measurement_device_type 'Oxford Diffraction CCD'
_diffrn_detector ?
_diffrn_detector_area_resol_mean ?
_diffrn_measurement_method ?
_diffrn_measurement_specimen_support ?

_diffrn_reflns_number 71814
_diffrn_reflns_theta_min 2.88
_diffrn_reflns_theta_max 29.42
_diffrn_reflns_theta_full 28.88
_diffrn_measured_fraction_theta_max 0.95
_diffrn_measured_fraction_theta_full 0.98
_diffrn_reflns_av_R_equivalents 0.0731
_diffrn_reflns_av_sigmaI/netI 0.0427
_diffrn_reflns_limit_h_min -25
_diffrn_reflns_limit_h_max 23
_diffrn_reflns_limit_k_min -18
_diffrn_reflns_limit_k_max 19
_diffrn_reflns_limit_l_min -23
_diffrn_reflns_limit_l_max 24
_diffrn_reflns_reduction_process ?

_diffrn_standards_number ?
_diffrn_standards_interval_count ?
_diffrn_standards_interval_time ?
_diffrn_standards_decay_% ?
loop_
_diffrn_standard_refl_index_h
_diffrn_standard_refl_index_k
_diffrn_standard_refl_index_l
? ? ?

_diffrn_radiation_probe X-ray

#=====

# 8. REFINEMENT DATA

_refine_special_details
?

_reflns_number_total 6117
_reflns_number_gt 2498
_reflns_threshold_expression 'I>3\sigma(I)'

_refine_ls_structure_factor_coef Fsqd

```

_refine_ls_R_factor_gt	0.0512
_refine_ls_wR_factor_gt	0.1221
_refine_ls_R_factor_all	0.1286
_refine_ls_wR_factor_ref	0.1505
_refine_ls_goodness_of_fit_ref	1.42
_refine_ls_goodness_of_fit_gt	1.84
_refine_ls_restrained_S_gt	?
_refine_ls_restrained_S_all	?
_refine_ls_number_reflns	6117
_refine_ls_number_parameters	192
_refine_ls_number_restraints	0
_refine_ls_number_constraints	5
_refine_ls_weighting_scheme	sigma
_refine_ls_weighting_details	'w=1/(\s^2^(I)+0.0016I^2)'
_refine_ls_hydrogen_treatment	'constr'
_refine_ls_shift/su_max	0.0474
_refine_ls_shift/su_mean	0.0031
_refine_diff_density_max	9.70
_refine_diff_density_min	-3.56
_refine_ls_extinction_method	'none'
_refine_ls_extinction_coef	?
_refine_ls_abs_structure_details	?
_refine_ls_abs_structure_Flack	?
_refine_ls_abs_structure_Rogers	?

loop_

_atom_type_symbol	
_atom_type_scatter_dispersion_real	
_atom_type_scatter_dispersion_imag	
_atom_type_scatter_source	
Ca	0.2262 0.3064
	'International Tables Vol C tables 4.2.6.8 and 6.1.1.1'
H	0.0000 0.0000
	'International Tables Vol C tables 4.2.6.8 and 6.1.1.1'
O	0.0106 0.0060
	'International Tables Vol C tables 4.2.6.8 and 6.1.1.1'
Si	0.0817 0.0704
	'International Tables Vol C tables 4.2.6.8 and 6.1.1.1'
U	-9.6767 9.6646
	'International Tables Vol C tables 4.2.6.8 and 6.1.1.1'

_computing_data_collection	?
_computing_cell_refinement	?
_computing_data_reduction	?
_computing_structure_solution	?
_computing_structure_refinement	?
_computing_molecular_graphics	?
_computing_publication_material	?

#####

9. ATOMIC COORDINATES AND DISPLACEMENT PARAMETERS

loop_

_atom_site_label	
------------------	--

```

_atom_site_type_symbol
_atom_site_fract_x
_atom_site_fract_y
_atom_site_fract_z
_atom_site_adp_type
_atom_site_U_iso_or_equiv
_atom_site_symmetry_multiplicity
_atom_site_occupancy
_atom_site_calc_flag
_atom_site_refinement_flags
_atom_site_disorder_assembly
_atom_site_disorder_group
U1 U 0.24799(2) 0.12566(5) 0.034427(19) Uani 0.01044(12) 8 1 d . . .
U2 U 0.25411(2) 0.37558(6) 0.13863(2) Uani 0.00964(12) 8 1 d . . .
Ca1 Ca 0.01502(16) 0.8775(2) 0.13941(17) Uani 0.0328(9) 8 1 d . . .
Si1 Si 0.24794(18) 0.3757(4) -0.03695(15) Uani 0.0120(9) 8 1 d . . .
Si2 Si 0.25733(19) 0.1249(4) 0.20948(16) Uani 0.0155(9) 8 1 d . . .
Si3 Si 0.1518(2) 0.1765(2) 0.3346(2) Uani 0.0188(11) 8 1 d . . .
Si4 Si 0.2257(2) 0.3761(3) 0.33566(16) Uani 0.0162(9) 8 1 d . . .
O1 O 0.3209(5) 0.3724(8) -0.0906(5) Uiso 0.026(2) 8 1 d . . .
Si5 Si 0.6434(2) 0.0704(2) 0.1641(2) Uani 0.0168(11) 8 1 d . . .
O2 O 0.1575(5) 0.3700(7) 0.1472(5) Uiso 0.024(2) 8 1 d . . .
O3 O 0.1874(5) 0.1228(7) 0.2640(5) Uiso 0.025(2) 8 1 d . . .
O4 O 0.2445(4) 0.2879(7) 0.0201(6) Uiso 0.015(3) 8 1 d . . .
O5 O 0.2532(4) 0.0383(8) 0.1541(6) Uiso 0.013(3) 8 1 d . . .
O6 O 0.0648(5) 0.1658(7) 0.3307(5) Uiso 0.033(2) 8 1 d . . .
O7 O 0.3521(4) 0.3793(7) 0.1275(4) Uiso 0.0206(19) 8 1 d . . .
O8 O 0.3295(5) 0.1240(7) 0.2613(4) Uiso 0.0233(19) 8 1 d . . .
O9 O 0.2745(5) 0.3783(7) 0.2613(5) Uiso 0.025(2) 8 1 d . . .
O10 O 0.5547(5) 0.0806(7) 0.1601(5) Uiso 0.034(3) 8 1 d . . .
O11 O 0.2494(4) -0.0369(7) 0.0179(6) Uiso 0.016(3) 8 1 d . . .
O12 O 0.2604(5) 0.2135(8) 0.1534(6) Uiso 0.020(3) 8 1 d . . .
O13 O 0.1708(5) 0.2849(6) 0.3323(5) Uiso 0.029(2) 8 1 d . . .
O14 O 0.2717(5) 0.3746(7) 0.4112(5) Uiso 0.026(2) 8 1 d . . .
O15 O 0.1772(5) 0.3762(8) -0.0930(5) Uiso 0.025(2) 8 1 d . . .
O16 O 0.0480(7) 1.0429(8) 0.1545(7) Uiso 0.062(4) 8 1 d . . .
O17 O 0.1672(5) 0.4632(6) 0.3355(5) Uiso 0.029(2) 8 1 d . . .
O18 O -0.0796(7) 0.9273(9) 0.2290(7) Uiso 0.066(4) 8 1 d . . .
O19 O -0.0940(6) 0.7925(7) 0.1114(6) Uiso 0.053(3) 8 1 d . . .
O20 O 0.0480(18) 0.813(2) 0.0150(18) Uiso 0.090(7) 8 0.5 d . . .
O20' O 0.0374(17) 0.874(2) 0.0080(17) Uiso 0.090(7) 8 0.5 d . . .
O21 O 0.0535(13) 0.7127(16) 0.1512(13) Uiso 0.051(5) 8 0.5 d . . .
O21' O 0.0463(13) 0.7258(16) 0.1929(13) Uiso 0.051(5) 8 0.5 d . . .
O22 O 0.1505(5) 0.1248(7) 0.0457(4) Uiso 0.0226(19) 8 1 d . . .
O23 O 0.3452(5) 0.1270(7) 0.0257(4) Uiso 0.0220(19) 8 1 d . . .
O24 O 0.075(2) 1.022(2) -0.0745(17) Uiso 0.086(7) 8 0.5 d . . .
O24' O 0.054(2) 1.016(2) -0.0446(18) Uiso 0.086(7) 8 0.5 d . . .
O25 O 0.470(2) 0.002(3) 0.056(2) Uiso 0.146(11) 8 0.5 d . . .
O25' O 0.486(2) -0.113(3) 0.159(2) Uiso 0.146(11) 8 0.5 d . . .
O26 O 0.458(3) -0.206(4) 0.051(3) Uiso 0.064(11) 8 0.25 d . . .
O26' O 0.451(3) -0.181(4) 0.018(3) Uiso 0.064(11) 8 0.25 d . . .

```

```

loop_
_atom_site_aniso_label
_atom_site_aniso_type_symbol

```

```

_atom_site_aniso_U_11
_atom_site_aniso_U_22
_atom_site_aniso_U_33
_atom_site_aniso_U_12
_atom_site_aniso_U_13
_atom_site_aniso_U_23
U1 U 0.0202(2) 0.00590(19) 0.00521(19) 0.00036(17) -0.00001(18) -0.0003(4)
U2 U 0.0174(2) 0.00550(19) 0.0060(2) 0.00020(17) 0.00013(17) -0.0006(4)
Ca1 Ca 0.0235(14) 0.0358(16) 0.0391(16) -0.0045(15) 0.0043(12) -0.0085(18)
Si1 Si 0.0249(18) 0.0058(13) 0.0053(13) 0.0023(13) -0.0043(14) -0.001(3)
Si2 Si 0.034(2) 0.0060(13) 0.0061(13) -0.0011(17) -0.0019(13) 0.000(2)
Si3 Si 0.023(2) 0.0167(19) 0.016(2) -0.0042(15) -0.0017(16) 0.0033(16)
Si4 Si 0.0308(18) 0.0096(15) 0.0083(16) -0.001(2) 0.0002(12) -0.0013(18)
Si5 Si 0.024(2) 0.0146(18) 0.0116(19) 0.0015(15) 0.0011(15) 0.0015(16)

```

loop_

```

_jana_atom_site_ADP_C_label
_jana_atom_site_ADP_C_type_symbol
_jana_atom_site_ADP_C_111
_jana_atom_site_ADP_C_112
_jana_atom_site_ADP_C_113
_jana_atom_site_ADP_C_122
_jana_atom_site_ADP_C_123
_jana_atom_site_ADP_C_133
_jana_atom_site_ADP_C_222
_jana_atom_site_ADP_C_223
_jana_atom_site_ADP_C_233
_jana_atom_site_ADP_C_333
? ? ? ? ? ? ? ? ? ? ? ? ?

```

loop_

```

_jana_atom_site_ADP_D_label
_jana_atom_site_ADP_D_type_symbol
_jana_atom_site_ADP_D_1111
_jana_atom_site_ADP_D_1112
_jana_atom_site_ADP_D_1113
_jana_atom_site_ADP_D_1122
_jana_atom_site_ADP_D_1123
_jana_atom_site_ADP_D_1133
_jana_atom_site_ADP_D_1222
_jana_atom_site_ADP_D_1223
_jana_atom_site_ADP_D_1233
_jana_atom_site_ADP_D_1333
_jana_atom_site_ADP_D_2222
_jana_atom_site_ADP_D_2223
_jana_atom_site_ADP_D_2233
_jana_atom_site_ADP_D_2333
_jana_atom_site_ADP_D_3333
? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ?

```

loop_

```

_jana_atom_site_ADP_E_label
_jana_atom_site_ADP_E_type_symbol
_jana_atom_site_ADP_E_11111
_jana_atom_site_ADP_E_11112

```

_jana_atom_site_ADP_E_11113
_jana_atom_site_ADP_E_11122
_jana_atom_site_ADP_E_11123
_jana_atom_site_ADP_E_11133
_jana_atom_site_ADP_E_11222
_jana_atom_site_ADP_E_11223
_jana_atom_site_ADP_E_11233
_jana_atom_site_ADP_E_11333
_jana_atom_site_ADP_E_12222
_jana_atom_site_ADP_E_12223
_jana_atom_site_ADP_E_12233
_jana_atom_site_ADP_E_12333
_jana_atom_site_ADP_E_13333
_jana_atom_site_ADP_E_22222
_jana_atom_site_ADP_E_22223
_jana_atom_site_ADP_E_22233
_jana_atom_site_ADP_E_22333
_jana_atom_site_ADP_E_23333
_jana_atom_site_ADP_E_33333
? ?

loop_

_jana_atom_site_ADP_F_label
_jana_atom_site_ADP_F_type_symbol
_jana_atom_site_ADP_F_11111
_jana_atom_site_ADP_F_11112
_jana_atom_site_ADP_F_11113
_jana_atom_site_ADP_F_11122
_jana_atom_site_ADP_F_11123
_jana_atom_site_ADP_F_11133
_jana_atom_site_ADP_F_11222
_jana_atom_site_ADP_F_11223
_jana_atom_site_ADP_F_11233
_jana_atom_site_ADP_F_11333
_jana_atom_site_ADP_F_12222
_jana_atom_site_ADP_F_12223
_jana_atom_site_ADP_F_12233
_jana_atom_site_ADP_F_12333
_jana_atom_site_ADP_F_13333
_jana_atom_site_ADP_F_22222
_jana_atom_site_ADP_F_22223
_jana_atom_site_ADP_F_22233
_jana_atom_site_ADP_F_22333
_jana_atom_site_ADP_F_23333
_jana_atom_site_ADP_F_33333
? ?

#=====

10. MOLECULAR GEOMETRY

loop_
_geom_bond_atom_site_label_1
_geom_bond_atom_site_label_2
_geom_bond_site_symmetry_1
_geom_bond_site_symmetry_2
_geom_bond_distance
_geom_bond_publ_flag
U1 O4 . . 2.324(10) ?
U1 O5 . . 2.481(11) ?
U1 O11 . . 2.333(10) ?
U1 O12 . . 2.482(11) ?
U1 O14 . 2_554 2.237(9) ?
U1 O22 . . 1.796(9) ?
U1 O23 . . 1.786(9) ?
U2 O2 . . 1.776(9) ?
U2 O4 . . 2.470(11) ?
U2 O5 . 8_555 2.336(11) ?
U2 O7 . . 1.805(7) ?
U2 O9 . . 2.230(9) ?
U2 O11 . 8_555 2.497(11) ?
U2 O12 . . 2.325(11) ?
Ca1 O7 . 8_555 2.442(8) ?
Ca1 O16 . . 2.445(12) ?
Ca1 O18 . . 2.465(13) ?
Ca1 O18 . 3_555 2.731(13) ?
Ca1 O19 . . 2.386(11) ?
Ca1 O20 . . 2.49(4) ?
Ca1 O20' . . 2.39(4) ?
Ca1 O21 . . 2.45(3) ?
Ca1 O21' . . 2.43(3) ?
Ca1 O24 . 5_575 2.48(3) ?
Ca1 O24' . 5_575 2.60(3) ?
Si1 O1 . . 1.647(10) ?
Si1 O4 . . 1.615(11) ?
Si1 O11 . 8_555 1.586(11) ?
Si1 O15 . . 1.638(10) ?
Si2 O3 . . 1.610(10) ?
Si2 O5 . . 1.584(12) ?
Si2 O8 . . 1.615(9) ?
Si2 O12 . . 1.614(12) ?
Si3 O1 . 2_555 1.591(10) ?
Si3 O3 . . 1.615(10) ?
Si3 O6 . . 1.601(10) ?
Si3 O13 . . 1.582(9) ?
Si4 O9 . . 1.605(10) ?
Si4 O13 . . 1.643(10) ?
Si4 O14 . . 1.594(10) ?
Si4 O17 . . 1.638(10) ?
O1 O3 . 2_554 2.611(13) ?
O1 O4 . . 2.709(14) ?

O1 06 . 2_554 2.581(13) ?
O1 011 . 8_555 2.665(14) ?
O1 013 . 2_554 2.635(14) ?
O1 015 . . 2.631(13) ?
O1 024 . 8_545 2.87(3) ?
Si5 08 . 3_655 1.617(9) ?
Si5 010 . . 1.631(10) ?
Si5 015 . 4_555 1.607(10) ?
Si5 017 . 6_545 1.587(9) ?
O2 05 . 8_555 2.902(14) ?
O2 09 . . 2.963(13) ?
O2 012 . . 2.919(14) ?
O2 025' . 8_555 2.65(4) ?
O2 026 . 8_555 2.93(6) ?
O3 05 . . 2.603(14) ?
O3 06 . . 2.615(13) ?
O3 08 . . 2.601(13) ?
O3 012 . . 2.716(14) ?
O3 013 . . 2.629(13) ?
O4 011 . 8_555 2.496(14) ?
O4 012 . . 2.629(15) ?
O4 015 . . 2.684(14) ?
O4 022 . . 2.925(13) ?
O4 023 . . 2.941(13) ?
O5 08 . . 2.670(13) ?
O5 011 . . 2.666(15) ?
O5 012 . . 2.497(16) ?
O5 022 . . 2.970(13) ?
O6 013 . . 2.576(13) ?
O6 016 . 3_545 2.719(15) ?
O7 09 . . 2.787(12) ?
O7 011 . 8_555 2.955(12) ?
O7 012 . . 2.933(14) ?
O7 016 . 8_545 3.000(15) ?
O7 018 . 6_545 2.940(15) ?
O7 020 . 8_545 2.88(4) ?
O7 020' . 8_545 2.95(4) ?
O7 021 . 8_545 2.97(3) ?
O8 010 . 3_655 2.618(13) ?
O8 012 . . 2.638(13) ?
O8 015 . 2_555 2.614(11) ?
O8 017 . 8_545 2.648(13) ?
O8 021' . 8_545 2.97(2) ?
O9 013 . . 2.643(13) ?
O9 014 . . 2.687(13) ?
O9 017 . . 2.662(13) ?
O9 018 . 6_545 2.765(16) ?
O10 015 . 4_555 2.617(13) ?
O10 017 . 6_545 2.653(13) ?
O10 021 . 8_545 2.73(3) ?
O10 021' . 8_545 2.83(3) ?
O10 025 . . 2.67(4) ?
O11 015 . 8_545 2.699(14) ?
O11 022 . . 2.970(13) ?
O11 023 . . 2.921(13) ?

O13 O14 . . 2.653(13) ?
O13 O17 . . 2.539(12) ?
O14 O17 . . 2.662(13) ?
O14 O19 . 6_545 2.751(14) ?
O14 O22 . 2_555 2.799(12) ?
O14 O23 . 2_555 2.964(12) ?
O15 O17 . 7_564 2.627(14) ?
O15 O19 . 5_565 2.862(15) ?
O16 O18 . 3_555 2.720(18) ?
O16 O22 . 1_565 2.946(15) ?
O16 O24 . 5_575 2.83(4) ?
O16 O24' . 5_575 2.83(4) ?
O18 O19 . . 2.862(16) ?
O18 O24 . 5_575 2.87(4) ?
O19 O24 . 5_575 2.75(3) ?
O19 O26' . 4_455 2.93(6) ?
O20 O20' . . 0.90(4) ?
O20 O21 . . 2.82(4) ?
O20 O26 . 4_455 2.54(6) ?
O20 O26' . 4_455 2.65(6) ?
O20' O24 . . 2.66(4) ?
O20' O24 . 5_575 2.79(5) ?
O20' O24' . . 2.25(4) ?
O20' O24' . 5_575 2.38(5) ?
O20' O26 . 4_455 2.99(6) ?
O21 O21' . . 0.79(3) ?
O21' O21' . 3_555 2.65(3) ?
O22 O24 . 1_545 2.94(4) ?
O22 O24' . 1_545 2.86(4) ?
O23 O25 . . 2.95(4) ?
O24 O24' . . 0.65(5) ?
O24' O24' . 5_575 2.59(5) ?
O25 O25 . 5_655 2.29(5) ?
O25 O25' . . 2.48(6) ?
O25 O26 . . 2.97(7) ?
O25 O26' . . 2.71(7) ?
O25' O26 . . 2.40(7) ?
O25' O26' . . 2.78(7) ?
O26 O26' . . 0.70(8) ?

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_geom_angle_atom_site_label_3
_geom_angle_site_symmetry_1
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_geom_angle_site_symmetry_3
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_geom_angle_publ_flag
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_geom_hbond_atom_site_label_H
_geom_hbond_atom_site_label_A
_geom_hbond_site_symmetry_D
_geom_hbond_site_symmetry_H
_geom_hbond_site_symmetry_A
_geom_hbond_distance_DH
_geom_hbond_distance_HA
_geom_hbond_distance_DA
_geom_hbond_angle_DHA
_geom_hbond_publ_flag
? ? ? ? ? ? ? ? ? ?

#=====

11. STRUCTURE-FACTOR LIST

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_refln_index_k
_refln_index_l
_refln_F_squared_calc
_refln_F_squared_meas
_refln_F_squared_sigma
_refln_observed_status
4 0 0 2322410. 2812400. 18132. o
6 0 0 1154330. 1281340. 15057. o
8 0 0 1218990. 1306010. 17449. o
10 0 0 1923580. 2232060. 19225. o
12 0 0 1182060. 1272450. 12451. o
14 0 0 518120. 536458. 10657. o
16 0 0 343413. 348574. 9244. o
18 0 0 278983. 298869. 9182. o
20 0 0 243145. 266410. 9018. o
22 0 0 148615. 143804. 9270. o
24 0 0 69030. 61095. 8663. o
3 1 0 31652. 16097. 848. o
5 1 0 1058. 18. 599. <
7 1 0 29803. 30734. 1575. o
9 1 0 25214. 22933. 1545. o
11 1 0 2568. 2284. 874. <
13 1 0 8292. 12480. 1208. o
15 1 0 4013. 4968. 1174. o
17 1 0 7494. 11726. 1532. o

19	1	0	13788.	14192.	1683.	o
21	1	0	9826.	10007.	2015.	o
23	1	0	14378.	15760.	3067.	o
25	1	0	6347.	7893.	2573.	o
2	2	0	1739.	1351.	329.	o
4	2	0	721.	277.	503.	<
6	2	0	26.	155.	626.	<
8	2	0	229.	46.	673.	<
10	2	0	535.	1113.	776.	<
12	2	0	87.	-1522.	885.	<
14	2	0	239.	-1216.	1127.	<
16	2	0	717.	1462.	1098.	<
18	2	0	567.	-133.	1130.	<
20	2	0	14.	178.	1118.	<
22	2	0	7.	-398.	1557.	<
24	2	0	63.	-4198.	2627.	<
1	3	0	27495.	25247.	591.	o
3	3	0	4850.	5026.	429.	o
5	3	0	8663.	7632.	726.	o
7	3	0	3263.	1093.	501.	<
9	3	0	13188.	11498.	1021.	o
11	3	0	6581.	8030.	1042.	o
13	3	0	21908.	25048.	1897.	o
15	3	0	3690.	4829.	1382.	o
17	3	0	2138.	1712.	1268.	<
19	3	0	9781.	14097.	1814.	o
21	3	0	12781.	16201.	2191.	o
23	3	0	17971.	22069.	3292.	o
25	3	0	3967.	7953.	4496.	<
0	4	0	3495900.	4373320.	16369.	o
2	4	0	2087370.	2882620.	7981.	o
4	4	0	1450820.	1614430.	5895.	o
6	4	0	627086.	687546.	4809.	o
8	4	0	1059790.	1272500.	7736.	o
10	4	0	839372.	923329.	8409.	o
12	4	0	728961.	851870.	7986.	o
14	4	0	356298.	363461.	7465.	o
16	4	0	272591.	304472.	7354.	o
18	4	0	220422.	239493.	6909.	o
20	4	0	155420.	173001.	6254.	o
22	4	0	118080.	146469.	6754.	o
24	4	0	52538.	50637.	5696.	o
1	5	0	259.	1858.	365.	o
3	5	0	3965.	4305.	425.	o
5	5	0	45866.	49788.	1241.	o
7	5	0	6316.	5028.	526.	o
9	5	0	31668.	35884.	1445.	o
11	5	0	2441.	2489.	810.	o
13	5	0	5350.	4817.	1051.	o
15	5	0	14581.	15804.	1973.	o
17	5	0	23130.	21561.	2336.	o
19	5	0	24220.	22685.	2450.	o
21	5	0	10214.	10087.	1832.	o
23	5	0	11010.	9327.	2587.	o
0	6	0	158.	84.	560.	<

2	6	0	0.	671.	334.	<
4	6	0	27.	345.	416.	<
6	6	0	122.	-387.	415.	<
8	6	0	892.	195.	468.	<
10	6	0	383.	-61.	595.	<
12	6	0	712.	1401.	736.	<
14	6	0	125.	-185.	1089.	<
16	6	0	307.	355.	1040.	<
18	6	0	207.	871.	1342.	<
20	6	0	28.	-5195.	1554.	<
22	6	0	1092.	389.	1637.	<
24	6	0	22.	-2013.	3232.	<
1	7	0	23739.	24823.	899.	o
3	7	0	1161.	1308.	360.	o
5	7	0	18101.	18857.	891.	o
7	7	0	231.	-186.	457.	<
9	7	0	2125.	2384.	536.	o
11	7	0	26756.	25574.	1165.	o
13	7	0	13376.	12496.	956.	o
15	7	0	4208.	3438.	904.	o
17	7	0	10410.	13652.	1754.	o
19	7	0	14710.	16010.	2021.	o
21	7	0	17331.	18418.	2200.	o
23	7	0	14630.	16768.	5538.	o
0	8	0	1667190.	1975420.	11284.	o
2	8	0	1374570.	1722570.	7184.	o
4	8	0	1331110.	1571990.	7291.	o
6	8	0	653235.	729583.	4937.	o
8	8	0	788640.	869791.	5527.	o
10	8	0	520132.	552239.	5746.	o
12	8	0	573768.	602101.	6444.	o
14	8	0	423552.	462235.	5391.	o
16	8	0	267772.	285739.	6432.	o
18	8	0	171043.	173538.	5347.	o
20	8	0	108528.	101458.	4378.	o
22	8	0	103435.	115253.	6899.	o
1	9	0	107.	428.	418.	<
3	9	0	318.	435.	426.	<
5	9	0	3036.	3906.	505.	o
7	9	0	331.	587.	567.	<
9	9	0	22980.	25986.	1342.	o
11	9	0	2773.	3275.	777.	o
13	9	0	4266.	3952.	850.	o
15	9	0	1972.	3208.	1131.	<
17	9	0	4117.	5265.	1394.	o
19	9	0	13525.	15916.	1819.	o
21	9	0	11956.	14039.	2666.	o
0	10	0	523.	-407.	589.	<
2	10	0	281.	329.	418.	<
4	10	0	478.	342.	494.	<
6	10	0	53.	149.	516.	<
8	10	0	9.	-148.	608.	<
10	10	0	816.	1503.	667.	<
12	10	0	14.	500.	808.	<
14	10	0	8.	1812.	1026.	<

16	10	0	44.	-174.	1224.	<
18	10	0	142.	-783.	1143.	<
20	10	0	29.	-446.	1601.	<
1	11	0	12.	695.	549.	<
3	11	0	8316.	8809.	822.	o
5	11	0	1293.	1409.	678.	<
7	11	0	4215.	3834.	661.	o
9	11	0	12177.	11808.	1005.	o
11	11	0	2506.	1987.	779.	<
13	11	0	516.	-451.	1090.	<
15	11	0	1558.	2822.	1228.	<
17	11	0	5682.	6307.	1507.	o
19	11	0	10438.	11792.	2152.	o
0	12	0	1306360.	1584360.	12115.	o
2	12	0	1018550.	1236280.	9134.	o
4	12	0	934950.	1061060.	9453.	o
6	12	0	589740.	647502.	8155.	o
8	12	0	624225.	653689.	6975.	o
10	12	0	484282.	490103.	6892.	o
12	12	0	487415.	507803.	9023.	o
14	12	0	370570.	368767.	8162.	o
16	12	0	226251.	200063.	6434.	o
18	12	0	158080.	143171.	6091.	o
1	13	0	6623.	6000.	770.	o
3	13	0	218.	1103.	790.	<
5	13	0	2312.	2361.	850.	<
7	13	0	647.	559.	915.	<
9	13	0	3868.	3342.	1172.	<
11	13	0	10208.	10744.	1739.	o
13	13	0	7794.	5527.	1370.	o
15	13	0	2217.	2645.	1339.	<
17	13	0	2844.	577.	2340.	<
0	14	0	6.	293.	836.	<
2	14	0	114.	-803.	691.	<
4	14	0	635.	2045.	1170.	<
6	14	0	183.	1749.	1377.	<
8	14	0	18.	-500.	1350.	<
10	14	0	1.	1506.	1538.	<
12	14	0	346.	-3028.	1805.	<
14	14	0	2.	-447.	1674.	<
16	14	0	23.	-1341.	3157.	<
1	15	0	313.	773.	704.	<
3	15	0	2042.	1496.	1091.	<
5	15	0	1585.	-347.	1091.	<
7	15	0	4289.	2342.	1233.	<
9	15	0	6353.	5765.	1761.	o
11	15	0	289.	-1428.	1507.	<
13	15	0	671.	-2531.	2191.	<
15	15	0	4832.	4446.	2948.	<
0	16	0	646711.	697036.	27805.	o
2	16	0	497607.	532000.	10243.	o
4	16	0	396713.	406896.	9133.	o
6	16	0	288890.	282283.	8899.	o
8	16	0	364347.	368982.	9046.	o
10	16	0	304628.	292397.	8347.	o

12	16	0	241531.	223183.	11115.	o
1	17	0	2041.	1427.	1408.	<
3	17	0	558.	925.	1672.	<
5	17	0	2690.	1094.	1465.	<
7	17	0	155.	3338.	1892.	<
9	17	0	1372.	505.	3131.	<
0	18	0	494.	244.	4137.	<
2	18	0	17.	-2831.	2099.	<
4	18	0	27.	2079.	1812.	<
2	1	1	2936.	1351.	373.	o
3	1	1	18556.	9531.	528.	o
4	1	1	1221.	1511.	365.	o
5	1	1	291.	18.	437.	<
6	1	1	4922.	4195.	605.	o
7	1	1	7024.	7509.	722.	o
8	1	1	7263.	4813.	649.	o
9	1	1	27189.	26562.	1181.	o
10	1	1	685.	2507.	672.	o
11	1	1	7544.	7082.	705.	o
12	1	1	116.	-289.	561.	<
13	1	1	5129.	6308.	685.	o
14	1	1	2079.	2856.	810.	o
15	1	1	5072.	4528.	902.	o
16	1	1	27.	1157.	761.	<
17	1	1	6147.	6113.	894.	o
18	1	1	859.	289.	741.	<
19	1	1	8738.	10206.	1083.	o
20	1	1	278.	315.	828.	<
21	1	1	5633.	6869.	1202.	o
22	1	1	602.	3065.	1252.	<
23	1	1	2922.	5622.	1458.	o
24	1	1	83.	149.	1677.	<
25	1	1	1641.	5515.	2091.	<
0	2	1	54446.	72213.	1224.	o
1	2	1	8749.	8271.	335.	o
2	2	1	31562.	28998.	459.	o
3	2	1	63923.	58091.	805.	o
4	2	1	200593.	227278.	1944.	o
5	2	1	22868.	21908.	707.	o
6	2	1	87297.	88985.	1427.	o
7	2	1	85218.	79413.	1427.	o
8	2	1	134519.	143529.	2115.	o
9	2	1	2560.	2795.	531.	o
10	2	1	2578.	1867.	587.	o
11	2	1	10654.	8758.	740.	o
12	2	1	25480.	27005.	1115.	o
13	2	1	1264.	1760.	564.	o
14	2	1	8283.	9263.	953.	o
15	2	1	4372.	4170.	857.	o
16	2	1	3049.	2201.	842.	<
17	2	1	350.	548.	716.	<
18	2	1	4370.	6542.	921.	o
19	2	1	3067.	1488.	738.	<
20	2	1	1264.	1256.	974.	<
21	2	1	407.	1557.	976.	<

22	2	1	5845.	6769.	1339.	o
23	2	1	3574.	2593.	1311.	<
24	2	1	3504.	2542.	1692.	<
25	2	1	468.	3118.	2830.	<
1	3	1	19779.	16108.	432.	o
2	3	1	3481.	2152.	214.	o
3	3	1	4352.	3384.	277.	o
4	3	1	211.	67.	282.	<
5	3	1	1705.	1998.	340.	o
6	3	1	248.	-233.	347.	<
7	3	1	2883.	2365.	411.	o
8	3	1	1913.	2300.	442.	o
9	3	1	2415.	2538.	527.	o
10	3	1	2835.	1664.	540.	o
11	3	1	6197.	6645.	664.	o
12	3	1	3601.	2857.	639.	o
13	3	1	20208.	19743.	1245.	o
14	3	1	3895.	5236.	971.	o
15	3	1	1606.	890.	861.	<
16	3	1	10.	-548.	750.	<
17	3	1	1829.	3451.	903.	o
18	3	1	1774.	1925.	880.	<
19	3	1	5123.	7719.	1067.	o
20	3	1	18.	-494.	991.	<
21	3	1	4287.	5068.	1065.	o
22	3	1	324.	1457.	1207.	<
23	3	1	4557.	9194.	1826.	o
24	3	1	119.	1256.	1616.	<
0	4	1	937.	217.	355.	<
1	4	1	40.	-61.	214.	<
2	4	1	2.	574.	224.	<
3	4	1	1110.	1681.	236.	o
4	4	1	74.	233.	277.	<
5	4	1	1020.	1381.	289.	o
6	4	1	223.	578.	308.	<
7	4	1	3842.	3631.	405.	o
8	4	1	579.	2268.	447.	o
9	4	1	50.	345.	435.	<
10	4	1	1.	-206.	558.	<
11	4	1	284.	306.	516.	<
12	4	1	2283.	3873.	679.	o
13	4	1	120.	1077.	674.	<
14	4	1	411.	212.	870.	<
15	4	1	9.	561.	883.	<
16	4	1	263.	2540.	937.	<
17	4	1	407.	-289.	810.	<
18	4	1	351.	1826.	916.	<
19	4	1	131.	-270.	945.	<
20	4	1	32.	1055.	1097.	<
21	4	1	19.	1213.	1108.	<
22	4	1	530.	3498.	1220.	<
23	4	1	143.	-739.	1449.	<
24	4	1	1.	654.	1704.	<
1	5	1	3368.	2304.	252.	o
2	5	1	10305.	9043.	366.	o

3	5	1	3462.	2708.	249. o
4	5	1	6116.	6092.	367. o
5	5	1	17295.	16085.	544. o
6	5	1	1382.	2330.	333. o
7	5	1	34.	277.	325. <
8	5	1	1983.	1635.	334. o
9	5	1	9439.	9510.	598. o
10	5	1	1775.	969.	536. <
11	5	1	230.	79.	487. <
12	5	1	1209.	1659.	562. <
13	5	1	354.	-395.	677. <
14	5	1	452.	-373.	819. <
15	5	1	10369.	9656.	1048. o
16	5	1	1279.	-18.	841. <
17	5	1	9133.	9674.	1188. o
18	5	1	63.	466.	943. <
19	5	1	4550.	6588.	1182. o
20	5	1	20.	378.	891. <
21	5	1	346.	814.	937. <
22	5	1	1369.	1245.	1211. <
23	5	1	965.	3067.	1611. <
24	5	1	8.	-2354.	2003. <
0	6	1	146217.	140639.	1795. o
1	6	1	19033.	18783.	520. o
2	6	1	33394.	46655.	731. o
3	6	1	66742.	62564.	858. o
4	6	1	180002.	185940.	1551. o
5	6	1	19478.	21430.	604. o
6	6	1	81798.	88836.	1188. o
7	6	1	68325.	60552.	1062. o
8	6	1	148090.	152706.	1648. o
9	6	1	28522.	28961.	757. o
10	6	1	64045.	63702.	1237. o
11	6	1	19799.	16848.	731. o
12	6	1	9128.	7871.	595. o
13	6	1	401.	-596.	551. <
14	6	1	1450.	752.	760. <
15	6	1	2596.	2060.	822. <
16	6	1	4977.	4749.	952. o
17	6	1	1314.	-44.	882. <
18	6	1	11199.	7941.	1083. o
19	6	1	9342.	8334.	1118. o
20	6	1	11429.	12168.	1368. o
21	6	1	2572.	2263.	1199. <
22	6	1	5874.	3084.	1436. <
23	6	1	2806.	351.	2669. <
24	6	1	737.	-411.	2706. <
1	7	1	23572.	26936.	659. o
2	7	1	148.	-20.	260. <
3	7	1	946.	664.	249. <
4	7	1	2949.	2360.	308. o
5	7	1	5441.	6959.	417. o
6	7	1	2687.	2036.	331. o
7	7	1	1203.	1441.	315. o
8	7	1	485.	794.	320. <

9	7	1	360.	56.	364.	<
10	7	1	3553.	3535.	430.	o
11	7	1	5727.	6653.	537.	o
12	7	1	742.	164.	430.	<
13	7	1	14268.	12418.	794.	o
14	7	1	332.	356.	612.	<
15	7	1	5266.	5421.	708.	o
16	7	1	41.	781.	806.	<
17	7	1	3086.	3066.	856.	o
18	7	1	1195.	3218.	947.	o
19	7	1	1229.	1589.	892.	<
20	7	1	76.	-1803.	947.	<
21	7	1	2286.	4712.	1115.	o
22	7	1	321.	836.	1398.	<
23	7	1	4798.	8436.	4334.	<
0	8	1	2860.	2989.	474.	o
1	8	1	352.	584.	264.	<
2	8	1	64.	90.	309.	<
3	8	1	509.	51.	254.	<
4	8	1	121.	325.	309.	<
5	8	1	1367.	1195.	307.	o
6	8	1	469.	1059.	337.	o
7	8	1	102.	74.	326.	<
8	8	1	223.	1051.	357.	<
9	8	1	1814.	1519.	399.	o
10	8	1	8.	-473.	467.	<
11	8	1	223.	-94.	441.	<
12	8	1	1549.	1539.	466.	o
13	8	1	75.	82.	520.	<
14	8	1	10.	712.	524.	<
15	8	1	381.	785.	625.	<
16	8	1	6.	1789.	800.	<
17	8	1	526.	456.	885.	<
18	8	1	36.	2110.	941.	<
19	8	1	206.	2683.	926.	<
20	8	1	61.	680.	979.	<
21	8	1	150.	423.	1102.	<
22	8	1	252.	52.	1490.	<
1	9	1	676.	212.	284.	<
2	9	1	971.	571.	310.	<
3	9	1	755.	1383.	292.	o
4	9	1	0.	325.	316.	<
5	9	1	4088.	4878.	393.	o
6	9	1	309.	120.	343.	<
7	9	1	44.	-290.	373.	<
8	9	1	9.	502.	361.	<
9	9	1	5630.	5491.	501.	o
10	9	1	1204.	796.	460.	<
11	9	1	705.	1021.	512.	<
12	9	1	5.	-664.	500.	<
13	9	1	3211.	3528.	612.	o
14	9	1	701.	1609.	702.	<
15	9	1	4620.	6649.	942.	o
16	9	1	16.	-569.	807.	<
17	9	1	3107.	3642.	874.	o

18	9	1	538.	1637.	912.	<
19	9	1	3410.	4354.	1003.	o
20	9	1	92.	113.	921.	<
21	9	1	1217.	2698.	1345.	<
22	9	1	422.	-227.	2004.	<
0	10	1	120833.	137719.	2156.	o
1	10	1	31067.	35004.	807.	o
2	10	1	29437.	35156.	812.	o
3	10	1	4854.	3238.	336.	o
4	10	1	24227.	23647.	759.	o
5	10	1	5551.	6407.	509.	o
6	10	1	9904.	8818.	578.	o
7	10	1	11690.	8600.	587.	o
8	10	1	54156.	52341.	1258.	o
9	10	1	11880.	12257.	710.	o
10	10	1	41215.	41980.	1185.	o
11	10	1	18508.	19041.	922.	o
12	10	1	15175.	14689.	865.	o
13	10	1	547.	1855.	612.	o
14	10	1	868.	226.	811.	<
15	10	1	676.	1781.	916.	<
16	10	1	1192.	516.	870.	<
17	10	1	282.	-629.	905.	<
18	10	1	4960.	4391.	1004.	o
19	10	1	4271.	3185.	1011.	o
20	10	1	7146.	8460.	1444.	o
21	10	1	1568.	-2133.	1900.	<
1	11	1	450.	163.	416.	<
2	11	1	749.	216.	335.	<
3	11	1	2300.	1999.	390.	o
4	11	1	785.	1353.	437.	o
5	11	1	1915.	1169.	459.	<
6	11	1	247.	88.	435.	<
7	11	1	1517.	1954.	479.	o
8	11	1	619.	263.	433.	<
9	11	1	4806.	5044.	558.	o
10	11	1	2361.	3028.	544.	o
11	11	1	830.	-1029.	571.	<
12	11	1	366.	478.	652.	<
13	11	1	4847.	4681.	982.	o
14	11	1	912.	666.	728.	<
15	11	1	5302.	3830.	913.	o
16	11	1	63.	240.	867.	<
17	11	1	5532.	3668.	1034.	o
18	11	1	605.	2314.	1010.	<
19	11	1	2836.	1412.	1194.	<
20	11	1	91.	1774.	1570.	<
0	12	1	1599.	1342.	646.	<
1	12	1	974.	321.	461.	<
2	12	1	28.	166.	425.	<
3	12	1	1093.	1657.	438.	o
4	12	1	622.	137.	481.	<
5	12	1	1284.	762.	531.	<
6	12	1	292.	918.	619.	<
7	12	1	399.	-160.	487.	<

8	12	1	985.	1735.	556.	o
9	12	1	962.	678.	602.	<
10	12	1	350.	-298.	640.	<
11	12	1	670.	-1010.	847.	<
12	12	1	60.	-60.	780.	<
13	12	1	1044.	1168.	785.	<
14	12	1	36.	-10.	934.	<
15	12	1	334.	441.	885.	<
16	12	1	254.	289.	896.	<
17	12	1	215.	-944.	1035.	<
18	12	1	110.	158.	1159.	<
19	12	1	168.	3397.	2954.	<
1	13	1	3344.	2206.	491.	o
2	13	1	494.	642.	469.	<
3	13	1	808.	634.	434.	<
4	13	1	80.	-158.	489.	<
5	13	1	206.	-75.	567.	<
6	13	1	1638.	873.	569.	<
7	13	1	276.	-591.	633.	<
8	13	1	267.	741.	739.	<
9	13	1	725.	1613.	843.	<
10	13	1	245.	1965.	797.	<
11	13	1	4159.	3759.	959.	o
12	13	1	450.	-522.	873.	<
13	13	1	6902.	5929.	1018.	o
14	13	1	28.	-1199.	945.	<
15	13	1	1926.	1257.	998.	<
16	13	1	161.	322.	1022.	<
17	13	1	736.	1887.	1199.	<
18	13	1	672.	6163.	4239.	<
0	14	1	41288.	46514.	1912.	o
1	14	1	9616.	10601.	754.	o
2	14	1	16715.	17685.	953.	o
3	14	1	9542.	7814.	713.	o
4	14	1	35889.	39733.	1781.	o
5	14	1	8145.	7205.	1029.	o
6	14	1	24248.	22108.	1517.	o
7	14	1	11852.	13166.	1287.	o
8	14	1	26841.	23865.	1779.	o
9	14	1	4780.	3492.	1081.	o
10	14	1	15499.	11979.	1439.	o
11	14	1	6998.	6696.	1338.	o
12	14	1	9749.	8315.	1258.	o
13	14	1	760.	325.	1281.	<
14	14	1	3139.	3692.	1238.	<
15	14	1	1677.	1934.	1375.	<
16	14	1	3144.	2088.	1984.	<
1	15	1	74.	-667.	631.	<
2	15	1	1005.	1484.	746.	<
3	15	1	515.	463.	686.	<
4	15	1	74.	41.	713.	<
5	15	1	1469.	1032.	798.	<
6	15	1	90.	-846.	873.	<
7	15	1	267.	-147.	887.	<
8	15	1	31.	-1676.	885.	<

9	15	1	2876.	3410.	1145.	<
10	15	1	1077.	-196.	1083.	<
11	15	1	81.	504.	1040.	<
12	15	1	664.	1200.	1234.	<
13	15	1	1311.	2818.	1580.	<
14	15	1	1158.	-598.	1879.	<
15	15	1	2671.	1312.	2239.	<
0	16	1	135.	135.	1349.	<
1	16	1	1136.	931.	1161.	<
2	16	1	216.	-721.	990.	<
3	16	1	669.	300.	750.	<
4	16	1	627.	-333.	917.	<
5	16	1	704.	-717.	912.	<
6	16	1	171.	-670.	911.	<
7	16	1	756.	-528.	949.	<
8	16	1	819.	955.	1161.	<
9	16	1	641.	-1313.	1064.	<
10	16	1	40.	-727.	1095.	<
11	16	1	830.	2470.	1503.	<
12	16	1	24.	2354.	2390.	<
13	16	1	929.	4998.	3144.	<
1	17	1	1408.	1709.	1266.	<
2	17	1	304.	-2250.	1219.	<
3	17	1	424.	150.	1045.	<
4	17	1	16.	1157.	1105.	<
5	17	1	177.	-1494.	1015.	<
6	17	1	260.	-1343.	1092.	<
7	17	1	52.	913.	1060.	<
8	17	1	249.	914.	1235.	<
9	17	1	51.	-2135.	1556.	<
10	17	1	220.	856.	3426.	<
0	18	1	12031.	6055.	2604.	<
1	18	1	3428.	1365.	1699.	<
2	18	1	12760.	12354.	1854.	o
3	18	1	9545.	9006.	1612.	o
4	18	1	37652.	40116.	3587.	o
5	18	1	10096.	10846.	2534.	o
2	0	2	175537.	150442.	1840.	o
3	0	2	799074.	865954.	5972.	o
4	0	2	251429.	230368.	2480.	o
5	0	2	1012720.	1170540.	7729.	o
6	0	2	231374.	225495.	3431.	o
7	0	2	556474.	579095.	5827.	o
8	0	2	208965.	198332.	3714.	o
9	0	2	757490.	861530.	8064.	o
10	0	2	131615.	128033.	3369.	o
11	0	2	223233.	229307.	4617.	o
12	0	2	84141.	75717.	2409.	o
13	0	2	335031.	380246.	5362.	o
14	0	2	100281.	105312.	3799.	o
15	0	2	189185.	220138.	5045.	o
16	0	2	64707.	68529.	2980.	o
17	0	2	204989.	216546.	5313.	o
18	0	2	54339.	48420.	2681.	o
19	0	2	112144.	113366.	4149.	o

20	0	2	41433.	43114.	3131.	o
21	0	2	118376.	112866.	4920.	o
22	0	2	28597.	26168.	3139.	o
23	0	2	61036.	60865.	6040.	o
24	0	2	21701.	15583.	3350.	o
1	1	2	615.	429.	416.	<
2	1	2	16364.	13325.	432.	o
3	1	2	6248.	4470.	336.	o
4	1	2	7846.	6684.	432.	o
5	1	2	988.	374.	425.	<
6	1	2	6704.	6436.	581.	o
7	1	2	336.	701.	503.	<
8	1	2	3840.	2874.	520.	o
9	1	2	48.	659.	532.	<
10	1	2	26288.	25417.	1168.	o
11	1	2	6026.	5602.	677.	o
12	1	2	9449.	10393.	798.	o
13	1	2	2627.	2031.	574.	o
14	1	2	14670.	14024.	1118.	o
15	1	2	2634.	2705.	782.	o
16	1	2	3504.	4452.	808.	o
17	1	2	1619.	1795.	728.	<
18	1	2	12409.	13838.	1154.	o
19	1	2	534.	293.	787.	<
20	1	2	5969.	8134.	1143.	o
21	1	2	840.	815.	956.	<
22	1	2	11329.	15433.	1788.	o
23	1	2	150.	1664.	1582.	<
24	1	2	1750.	3202.	1764.	<
0	2	2	322.	318.	286.	<
1	2	2	45.	330.	200.	<
2	2	2	28.	50.	195.	<
3	2	2	26.	-31.	237.	<
4	2	2	193.	894.	306.	<
5	2	2	176.	305.	360.	<
6	2	2	540.	794.	398.	<
7	2	2	367.	83.	397.	<
8	2	2	147.	-322.	468.	<
9	2	2	233.	203.	539.	<
10	2	2	6.	-112.	552.	<
11	2	2	17.	468.	558.	<
12	2	2	6.	-193.	578.	<
13	2	2	2226.	1037.	643.	<
14	2	2	1.	671.	782.	<
15	2	2	12.	-641.	765.	<
16	2	2	6.	543.	866.	<
17	2	2	8.	1237.	760.	<
18	2	2	114.	-894.	881.	<
19	2	2	18.	-797.	923.	<
20	2	2	3.	-491.	877.	<
21	2	2	247.	625.	977.	<
22	2	2	51.	769.	1118.	<
23	2	2	183.	-625.	1470.	<
24	2	2	2.	1974.	1303.	<
1	3	2	149.	201.	241.	<

2	3	2	15637.	13160.	377.	o
3	3	2	1334.	1103.	219.	o
4	3	2	1152.	1465.	269.	o
5	3	2	642.	463.	295.	<
6	3	2	9535.	8059.	437.	o
7	3	2	1287.	1307.	365.	o
8	3	2	10568.	10033.	598.	o
9	3	2	2108.	1886.	490.	o
10	3	2	27281.	28340.	1125.	o
11	3	2	863.	687.	539.	<
12	3	2	235.	-473.	542.	<
13	3	2	54.	-287.	721.	<
14	3	2	12656.	12072.	1082.	o
15	3	2	3029.	3491.	881.	o
16	3	2	4464.	3914.	874.	o
17	3	2	1851.	1130.	819.	<
18	3	2	22277.	23832.	1687.	o
19	3	2	885.	1764.	1023.	<
20	3	2	5865.	6608.	1082.	o
21	3	2	205.	538.	1138.	<
22	3	2	5939.	6804.	1128.	o
23	3	2	36.	-417.	1302.	<
24	3	2	2593.	2771.	1589.	<
0	4	2	81340.	76267.	1512.	o
1	4	2	427426.	469226.	1975.	o
2	4	2	132482.	125330.	1086.	o
3	4	2	320736.	364191.	1631.	o
4	4	2	73873.	68276.	880.	o
5	4	2	276190.	257444.	1772.	o
6	4	2	80078.	66704.	1002.	o
7	4	2	330225.	367396.	2503.	o
8	4	2	108462.	107183.	1503.	o
9	4	2	436715.	463591.	3356.	o
10	4	2	116492.	105287.	1929.	o
11	4	2	233398.	257288.	2915.	o
12	4	2	71937.	71407.	1631.	o
13	4	2	282932.	316641.	4106.	o
14	4	2	62102.	66551.	2395.	o
15	4	2	93820.	101314.	2975.	o
16	4	2	40039.	38200.	1809.	o
17	4	2	150973.	172607.	3548.	o
18	4	2	36519.	35825.	2004.	o
19	4	2	88765.	92557.	3067.	o
20	4	2	33021.	33797.	1934.	o
21	4	2	101012.	113173.	3475.	o
22	4	2	21123.	23126.	1896.	o
23	4	2	47301.	48319.	3470.	o
24	4	2	15639.	20711.	4195.	o
1	5	2	30.	344.	246.	<
2	5	2	42444.	41382.	673.	o
3	5	2	1086.	1115.	241.	o
4	5	2	2652.	2959.	260.	o
5	5	2	429.	-169.	287.	<
6	5	2	9286.	10239.	465.	o
7	5	2	1122.	40.	305.	<

8	5	2	433.	530.	349.	<
9	5	2	336.	272.	398.	<
10	5	2	31058.	29403.	945.	o
11	5	2	8799.	7305.	571.	o
12	5	2	27859.	27356.	995.	o
13	5	2	4257.	3784.	659.	o
14	5	2	23621.	25923.	1362.	o
15	5	2	1350.	1190.	716.	<
16	5	2	1884.	1574.	809.	<
17	5	2	285.	-560.	709.	<
18	5	2	9513.	11110.	1217.	o
19	5	2	262.	327.	894.	<
20	5	2	8015.	8833.	1208.	o
21	5	2	1201.	556.	1075.	<
22	5	2	22216.	22815.	2089.	o
23	5	2	910.	-721.	1921.	<
24	5	2	5002.	3823.	3235.	<
0	6	2	11808.	9871.	630.	o
1	6	2	126.	122.	250.	<
2	6	2	1453.	795.	256.	o
3	6	2	1.	-183.	239.	<
4	6	2	587.	1236.	256.	o
5	6	2	114.	-253.	273.	<
6	6	2	1646.	1100.	321.	o
7	6	2	66.	-313.	328.	<
8	6	2	97.	161.	335.	<
9	6	2	82.	-315.	375.	<
10	6	2	377.	590.	418.	<
11	6	2	553.	41.	441.	<
12	6	2	78.	406.	491.	<
13	6	2	500.	1186.	540.	<
14	6	2	33.	488.	646.	<
15	6	2	152.	-341.	673.	<
16	6	2	195.	777.	841.	<
17	6	2	57.	1511.	908.	<
18	6	2	147.	-1357.	953.	<
19	6	2	126.	-106.	907.	<
20	6	2	7.	-686.	1130.	<
21	6	2	376.	783.	1042.	<
22	6	2	150.	4310.	1598.	<
23	6	2	117.	617.	2101.	<
1	7	2	692.	1927.	285.	o
2	7	2	2061.	1840.	277.	o
3	7	2	69.	252.	273.	<
4	7	2	303.	32.	282.	<
5	7	2	9.	-58.	277.	<
6	7	2	10380.	10734.	494.	o
7	7	2	3995.	3238.	359.	o
8	7	2	20830.	19838.	684.	o
9	7	2	2509.	2570.	423.	o
10	7	2	22590.	22840.	886.	o
11	7	2	402.	83.	422.	<
12	7	2	947.	643.	476.	<
13	7	2	1504.	1421.	539.	<
14	7	2	18362.	19293.	1089.	o

15	7	2	2471.	1628.	712.	<
16	7	2	7854.	6042.	935.	o
17	7	2	1528.	338.	880.	<
18	7	2	14646.	13334.	1310.	o
19	7	2	1000.	1722.	979.	<
20	7	2	6350.	8374.	1261.	o
21	7	2	201.	535.	1085.	<
22	7	2	7882.	9093.	1827.	o
23	7	2	201.	10764.	4713.	<
0	8	2	143312.	161662.	2411.	o
1	8	2	446627.	507598.	3059.	o
2	8	2	84203.	79967.	1152.	o
3	8	2	193836.	195394.	1702.	o
4	8	2	41741.	38666.	832.	o
5	8	2	202124.	205498.	1828.	o
6	8	2	70647.	62076.	1065.	o
7	8	2	236887.	242585.	2061.	o
8	8	2	85261.	79957.	1273.	o
9	8	2	429739.	468095.	3323.	o
10	8	2	118138.	111917.	1883.	o
11	8	2	257258.	277479.	2955.	o
12	8	2	68422.	68927.	1614.	o
13	8	2	172922.	184273.	2754.	o
14	8	2	32208.	29109.	1138.	o
15	8	2	64065.	64668.	2093.	o
16	8	2	31697.	29334.	1645.	o
17	8	2	127212.	135392.	3393.	o
18	8	2	37933.	36895.	1934.	o
19	8	2	100412.	104278.	3103.	o
20	8	2	34804.	30602.	1796.	o
21	8	2	100541.	102912.	3773.	o
22	8	2	19694.	18048.	2276.	o
23	8	2	33627.	39556.	7249.	o
1	9	2	1975.	1087.	301.	o
2	9	2	1979.	1729.	292.	o
3	9	2	351.	895.	286.	o
4	9	2	5419.	6703.	413.	o
5	9	2	4.	603.	319.	<
6	9	2	4129.	3487.	374.	o
7	9	2	1442.	1116.	381.	<
8	9	2	682.	1399.	405.	o
9	9	2	173.	240.	403.	<
10	9	2	7246.	7706.	610.	o
11	9	2	1410.	933.	500.	<
12	9	2	5522.	4721.	615.	o
13	9	2	2508.	3663.	597.	o
14	9	2	19615.	22003.	1276.	o
15	9	2	1926.	215.	807.	<
16	9	2	3132.	3673.	981.	o
17	9	2	866.	1013.	891.	<
18	9	2	10319.	14474.	1406.	o
19	9	2	61.	-1027.	921.	<
20	9	2	1891.	842.	1170.	<
21	9	2	104.	-723.	1356.	<
22	9	2	8394.	11642.	2646.	o

0	10	2	17.	789.	414.	<
1	10	2	10.	120.	304.	<
2	10	2	1415.	1120.	279.	o
3	10	2	65.	52.	333.	<
4	10	2	397.	844.	360.	<
5	10	2	87.	60.	373.	<
6	10	2	43.	261.	411.	<
7	10	2	38.	-67.	448.	<
8	10	2	284.	-187.	408.	<
9	10	2	328.	1011.	431.	<
10	10	2	9.	-74.	435.	<
11	10	2	13.	-383.	512.	<
12	10	2	135.	-1.	558.	<
13	10	2	26.	932.	673.	<
14	10	2	99.	-228.	851.	<
15	10	2	87.	1286.	889.	<
16	10	2	52.	63.	905.	<
17	10	2	171.	1040.	942.	<
18	10	2	13.	603.	947.	<
19	10	2	61.	-610.	940.	<
20	10	2	9.	-417.	1120.	<
21	10	2	5.	96.	2655.	<
1	11	2	539.	1118.	404.	<
2	11	2	4507.	4685.	464.	o
3	11	2	2653.	1589.	352.	o
4	11	2	3067.	2923.	479.	o
5	11	2	418.	331.	442.	<
6	11	2	2191.	2816.	516.	o
7	11	2	51.	1548.	505.	o
8	11	2	117.	-993.	507.	<
9	11	2	13.	498.	506.	<
10	11	2	5964.	6776.	664.	o
11	11	2	1153.	1725.	589.	<
12	11	2	5537.	6666.	1009.	o
13	11	2	2758.	2408.	793.	o
14	11	2	12804.	12421.	1163.	o
15	11	2	1911.	2805.	898.	o
16	11	2	2605.	3600.	980.	o
17	11	2	588.	-769.	985.	<
18	11	2	5177.	4414.	1230.	o
19	11	2	221.	-1410.	1175.	<
20	11	2	2668.	3502.	1967.	<
0	12	2	87421.	97182.	2653.	o
1	12	2	302110.	334885.	3191.	o
2	12	2	69141.	67715.	1440.	o
3	12	2	188915.	204690.	2535.	o
4	12	2	49643.	47377.	1430.	o
5	12	2	246648.	266293.	3663.	o
6	12	2	69656.	65623.	1689.	o
7	12	2	200735.	209502.	2937.	o
8	12	2	72223.	67662.	1734.	o
9	12	2	315107.	330702.	4029.	o
10	12	2	81967.	74004.	2205.	o
11	12	2	203402.	209739.	4208.	o
12	12	2	52964.	50526.	2206.	o

13	12	2	127497.	120562.	3401.	o
14	12	2	31200.	25610.	1696.	o
15	12	2	78433.	80219.	2828.	o
16	12	2	30439.	28078.	1837.	o
17	12	2	107659.	102255.	3395.	o
18	12	2	32740.	26631.	2256.	o
19	12	2	83473.	76018.	5820.	o
1	13	2	87.	298.	457.	<
2	13	2	75.	353.	475.	<
3	13	2	23.	-15.	437.	<
4	13	2	436.	-51.	546.	<
5	13	2	116.	-527.	606.	<
6	13	2	9072.	10261.	931.	o
7	13	2	1634.	1869.	787.	<
8	13	2	3733.	946.	758.	<
9	13	2	771.	398.	804.	<
10	13	2	6550.	6237.	992.	o
11	13	2	193.	-379.	810.	<
12	13	2	1761.	3066.	929.	o
13	13	2	1099.	817.	991.	<
14	13	2	10750.	9806.	1326.	o
15	13	2	1728.	-259.	1013.	<
16	13	2	6116.	4996.	1110.	o
17	13	2	1247.	-270.	1273.	<
18	13	2	10185.	10749.	4370.	<
0	14	2	435.	437.	694.	<
1	14	2	100.	176.	470.	<
2	14	2	971.	1317.	547.	<
3	14	2	69.	-319.	587.	<
4	14	2	558.	1047.	645.	<
5	14	2	140.	124.	698.	<
6	14	2	91.	-779.	770.	<
7	14	2	298.	155.	807.	<
8	14	2	203.	-826.	887.	<
9	14	2	278.	-1361.	914.	<
10	14	2	167.	-146.	1128.	<
11	14	2	42.	-1666.	1045.	<
12	14	2	430.	1193.	1192.	<
13	14	2	4.	1539.	1094.	<
14	14	2	192.	1041.	1211.	<
15	14	2	111.	-682.	1495.	<
16	14	2	14.	-2663.	2063.	<
17	14	2	795.	-4798.	3592.	<
1	15	2	308.	-940.	626.	<
2	15	2	2899.	2488.	815.	o
3	15	2	1180.	2737.	852.	o
4	15	2	1144.	1201.	692.	<
5	15	2	68.	-705.	777.	<
6	15	2	801.	750.	842.	<
7	15	2	5.	491.	861.	<
8	15	2	314.	642.	917.	<
9	15	2	59.	991.	1086.	<
10	15	2	7162.	8539.	1392.	o
11	15	2	1658.	609.	1111.	<
12	15	2	8502.	6642.	1472.	o

13	15	2	1462.	946.	1429.	<
14	15	2	5857.	8991.	2397.	o
15	15	2	326.	1690.	1798.	<
0	16	2	33803.	35983.	2889.	o
1	16	2	128156.	129156.	4078.	o
2	16	2	34710.	37549.	2198.	o
3	16	2	125510.	121595.	3728.	o
4	16	2	35440.	33476.	2001.	o
5	16	2	141167.	140861.	3871.	o
6	16	2	36286.	33090.	2012.	o
7	16	2	112904.	105556.	3462.	o
8	16	2	30208.	27310.	1914.	o
9	16	2	119015.	104880.	3542.	o
10	16	2	34155.	27133.	2040.	o
11	16	2	95259.	93411.	4756.	o
12	16	2	28859.	27327.	3690.	o
13	16	2	101938.	92316.	7362.	o
14	16	2	25466.	15712.	4542.	o
1	17	2	76.	858.	1287.	<
2	17	2	124.	-778.	1364.	<
3	17	2	2.	-779.	1210.	<
4	17	2	412.	2011.	1173.	<
5	17	2	63.	748.	1079.	<
6	17	2	2814.	768.	1079.	<
7	17	2	507.	726.	1195.	<
8	17	2	4175.	4419.	1428.	o
9	17	2	917.	1193.	1543.	<
10	17	2	8394.	12504.	3233.	o
11	17	2	770.	-1160.	2773.	<
0	18	2	1141.	1049.	2445.	<
1	18	2	5.	-1924.	1687.	<
2	18	2	637.	2326.	1693.	<
3	18	2	17.	-1186.	1531.	<
4	18	2	353.	-1067.	1921.	<
5	18	2	265.	2286.	1794.	<
6	18	2	208.	-44.	2019.	<
1	1	3	3248.	2637.	253.	o
2	1	3	22566.	19228.	502.	o
3	1	3	852.	1268.	278.	o
4	1	3	20852.	19514.	582.	o
5	1	3	150.	883.	386.	<
6	1	3	38203.	34473.	965.	o
7	1	3	2.	530.	444.	<
8	1	3	4957.	6878.	613.	o
9	1	3	3193.	2839.	601.	o
10	1	3	28961.	26523.	1173.	o
11	1	3	491.	-617.	556.	<
12	1	3	29806.	29836.	1115.	o
13	1	3	39.	231.	620.	<
14	1	3	44592.	43453.	1759.	o
15	1	3	17.	-871.	728.	<
16	1	3	17311.	19200.	1315.	o
17	1	3	44.	-20.	799.	<
18	1	3	27272.	27315.	1509.	o
19	1	3	443.	-120.	883.	<

20	1	3	9409.	7973.	1205.	o
21	1	3	525.	1319.	976.	<
22	1	3	19760.	22564.	1745.	o
23	1	3	579.	1667.	1268.	<
24	1	3	10474.	6063.	2055.	<
0	2	3	241.	2927.	358.	o
1	2	3	855078.	1040810.	2490.	o
2	2	3	13391.	9319.	317.	o
3	2	3	308833.	346966.	1677.	o
4	2	3	1078.	941.	272.	o
5	2	3	189173.	219051.	1838.	o
6	2	3	5905.	4572.	433.	o
7	2	3	248772.	256737.	2312.	o
8	2	3	120.	373.	443.	<
9	2	3	589495.	680992.	5035.	o
10	2	3	5340.	3950.	625.	o
11	2	3	400612.	443829.	3991.	o
12	2	3	1413.	1535.	542.	<
13	2	3	248183.	293675.	3634.	o
14	2	3	1570.	316.	771.	<
15	2	3	99818.	109996.	2862.	o
16	2	3	1239.	1224.	817.	<
17	2	3	189157.	234189.	4188.	o
18	2	3	856.	1052.	795.	<
19	2	3	129863.	154497.	3859.	o
20	2	3	749.	581.	864.	<
21	2	3	139507.	180791.	4048.	o
22	2	3	315.	3585.	1083.	o
23	2	3	44873.	46007.	3308.	o
24	2	3	935.	346.	2523.	<
1	3	3	44.	185.	220.	<
2	3	3	16826.	17418.	430.	o
3	3	3	2561.	2066.	255.	o
4	3	3	10678.	11100.	391.	o
5	3	3	7739.	6696.	425.	o
6	3	3	7567.	6497.	411.	o
7	3	3	1875.	1601.	362.	o
8	3	3	42757.	41323.	1009.	o
9	3	3	507.	59.	410.	<
10	3	3	28241.	30222.	1012.	o
11	3	3	397.	293.	448.	<
12	3	3	464.	591.	500.	<
13	3	3	73.	441.	603.	<
14	3	3	29894.	32034.	1613.	o
15	3	3	162.	199.	748.	<
16	3	3	9543.	11834.	1098.	o
17	3	3	212.	-947.	755.	<
18	3	3	26272.	31802.	1730.	o
19	3	3	429.	1366.	803.	<
20	3	3	5994.	8897.	1129.	o
21	3	3	550.	1680.	950.	<
22	3	3	8483.	8211.	1199.	o
23	3	3	731.	-1258.	1659.	<
24	3	3	6206.	9228.	4712.	<
0	4	3	5516.	3253.	398.	o

1	4	3	4.	236.	247.	<
2	4	3	2703.	1683.	249.	o
3	4	3	2039.	1997.	262.	o
4	4	3	833.	620.	241.	<
5	4	3	718.	400.	269.	<
6	4	3	2743.	1918.	316.	o
7	4	3	47.	-276.	310.	<
8	4	3	584.	598.	341.	<
9	4	3	346.	-99.	403.	<
10	4	3	74.	10.	421.	<
11	4	3	1913.	1360.	451.	o
12	4	3	2.	329.	486.	<
13	4	3	1256.	1387.	522.	<
14	4	3	5.	1010.	697.	<
15	4	3	177.	403.	731.	<
16	4	3	151.	902.	678.	<
17	4	3	126.	238.	766.	<
18	4	3	2.	-408.	860.	<
19	4	3	27.	-906.	832.	<
20	4	3	1.	-2606.	863.	<
21	4	3	727.	462.	929.	<
22	4	3	31.	-701.	1036.	<
23	4	3	1258.	3998.	1763.	<
1	5	3	1414.	1263.	266.	o
2	5	3	18281.	18035.	483.	o
3	5	3	2218.	2087.	277.	o
4	5	3	471.	1404.	247.	o
5	5	3	686.	797.	266.	<
6	5	3	8294.	10114.	464.	o
7	5	3	38.	-242.	315.	<
8	5	3	3871.	2666.	367.	o
9	5	3	690.	1356.	397.	o
10	5	3	34063.	38034.	1041.	o
11	5	3	25.	222.	422.	<
12	5	3	32947.	33543.	1035.	o
13	5	3	10.	420.	530.	<
14	5	3	16394.	20647.	1177.	o
15	5	3	37.	-436.	700.	<
16	5	3	1324.	1366.	716.	<
17	5	3	38.	365.	745.	<
18	5	3	11286.	12948.	1273.	o
19	5	3	440.	1044.	799.	<
20	5	3	10637.	11263.	1284.	o
21	5	3	224.	325.	1034.	<
22	5	3	20137.	25616.	2281.	o
23	5	3	392.	4.	1525.	<
0	6	3	1923.	9952.	736.	o
1	6	3	970252.	1260030.	4009.	o
2	6	3	6668.	9565.	422.	o
3	6	3	504791.	611540.	2681.	o
4	6	3	201.	1373.	262.	o
5	6	3	537322.	599618.	2814.	o
6	6	3	8518.	8214.	457.	o
7	6	3	309580.	345312.	2471.	o
8	6	3	122.	194.	348.	<

9	6	3	506308.	528284.	3309.	o
10	6	3	3307.	3204.	450.	o
11	6	3	404464.	450654.	3316.	o
12	6	3	1772.	1601.	537.	<
13	6	3	413534.	431825.	3813.	o
14	6	3	3409.	1290.	649.	<
15	6	3	218397.	225392.	3349.	o
16	6	3	940.	1636.	737.	<
17	6	3	181254.	192269.	4203.	o
18	6	3	909.	1830.	889.	<
19	6	3	109738.	112947.	3449.	o
20	6	3	1180.	2226.	1074.	<
21	6	3	121652.	129887.	4160.	o
22	6	3	366.	2159.	1260.	<
23	6	3	69478.	62122.	5133.	o
1	7	3	365.	568.	286.	<
2	7	3	2406.	1449.	280.	o
3	7	3	553.	228.	274.	<
4	7	3	74.	318.	265.	<
5	7	3	2178.	1249.	300.	o
6	7	3	18548.	23628.	682.	o
7	7	3	783.	-199.	320.	<
8	7	3	24468.	21397.	706.	o
9	7	3	516.	101.	395.	<
10	7	3	41900.	47465.	1173.	o
11	7	3	38.	312.	436.	<
12	7	3	2970.	2737.	524.	o
13	7	3	12.	-328.	609.	<
14	7	3	13061.	14343.	995.	o
15	7	3	55.	-191.	749.	<
16	7	3	8586.	8527.	996.	o
17	7	3	77.	185.	806.	<
18	7	3	22872.	23980.	1595.	o
19	7	3	340.	-1333.	889.	<
20	7	3	12180.	13602.	1407.	o
21	7	3	389.	52.	1144.	<
22	7	3	9961.	9459.	1870.	o
23	7	3	488.	4112.	2366.	<
0	8	3	614.	560.	461.	<
1	8	3	874.	816.	282.	<
2	8	3	86.	206.	304.	<
3	8	3	219.	50.	298.	<
4	8	3	191.	162.	274.	<
5	8	3	4.	-348.	285.	<
6	8	3	11.	-452.	318.	<
7	8	3	9.	184.	317.	<
8	8	3	598.	698.	375.	<
9	8	3	613.	-177.	404.	<
10	8	3	6.	-548.	456.	<
11	8	3	435.	1355.	471.	<
12	8	3	157.	-266.	554.	<
13	8	3	16.	-460.	578.	<
14	8	3	326.	369.	609.	<
15	8	3	170.	386.	781.	<
16	8	3	50.	-164.	856.	<

17	8	3	353.	433.	1016.	<
18	8	3	99.	-288.	1021.	<
19	8	3	135.	130.	1012.	<
20	8	3	152.	-109.	1036.	<
21	8	3	7.	1462.	1222.	<
22	8	3	11.	1708.	1898.	<
1	9	3	394.	-516.	303.	<
2	9	3	4278.	4060.	352.	o
3	9	3	848.	479.	285.	<
4	9	3	657.	669.	298.	<
5	9	3	233.	380.	315.	<
6	9	3	8831.	9966.	544.	o
7	9	3	105.	644.	402.	<
8	9	3	8272.	8439.	582.	o
9	9	3	373.	289.	400.	<
10	9	3	19246.	19177.	868.	o
11	9	3	14.	216.	522.	<
12	9	3	10899.	11006.	774.	o
13	9	3	89.	-250.	585.	<
14	9	3	12886.	14627.	1211.	o
15	9	3	27.	573.	815.	<
16	9	3	5761.	5317.	981.	o
17	9	3	48.	1160.	972.	<
18	9	3	15460.	17513.	1427.	o
19	9	3	474.	-388.	1078.	<
20	9	3	9278.	9441.	1317.	o
21	9	3	172.	1678.	1877.	<
22	9	3	10055.	17462.	3684.	o
0	10	3	778.	4082.	569.	o
1	10	3	192998.	213705.	1870.	o
2	10	3	5428.	7862.	482.	o
3	10	3	276694.	305025.	2346.	o
4	10	3	171.	1007.	340.	<
5	10	3	261100.	302196.	2703.	o
6	10	3	835.	664.	393.	<
7	10	3	218767.	236440.	2614.	o
8	10	3	376.	1812.	468.	o
9	10	3	194399.	207878.	2570.	o
10	10	3	2050.	1804.	491.	o
11	10	3	131229.	136655.	2366.	o
12	10	3	431.	998.	566.	<
13	10	3	218187.	245187.	3963.	o
14	10	3	1664.	3425.	816.	o
15	10	3	125135.	134406.	3326.	o
16	10	3	825.	1986.	883.	<
17	10	3	126750.	141677.	3641.	o
18	10	3	368.	126.	1024.	<
19	10	3	66586.	65270.	2718.	o
20	10	3	553.	646.	1276.	<
21	10	3	67157.	75809.	6754.	o
1	11	3	1872.	2578.	385.	o
2	11	3	8333.	9753.	554.	o
3	11	3	270.	173.	381.	<
4	11	3	7214.	6502.	491.	o
5	11	3	37.	243.	435.	<

6	11	3	7432.	8303.	661.	o
7	11	3	39.	-21.	542.	<
8	11	3	3188.	2791.	544.	o
9	11	3	365.	774.	536.	<
10	11	3	25358.	24025.	1090.	o
11	11	3	337.	-8.	581.	<
12	11	3	17736.	17438.	1366.	o
13	11	3	109.	-1461.	800.	<
14	11	3	19094.	17861.	1364.	o
15	11	3	13.	-736.	803.	<
16	11	3	7217.	8680.	1172.	o
17	11	3	55.	-491.	902.	<
18	11	3	16049.	13236.	1454.	o
19	11	3	369.	1898.	1390.	<
20	11	3	12232.	10093.	2240.	o
0	12	3	1671.	3105.	625.	o
1	12	3	151.	51.	374.	<
2	12	3	46.	86.	428.	<
3	12	3	13.	-421.	380.	<
4	12	3	194.	81.	414.	<
5	12	3	29.	440.	449.	<
6	12	3	158.	-470.	535.	<
7	12	3	251.	259.	549.	<
8	12	3	147.	312.	576.	<
9	12	3	192.	-171.	610.	<
10	12	3	136.	793.	673.	<
11	12	3	8.	635.	787.	<
12	12	3	427.	-44.	816.	<
13	12	3	193.	-736.	804.	<
14	12	3	68.	621.	982.	<
15	12	3	16.	-1723.	996.	<
16	12	3	232.	-320.	996.	<
17	12	3	80.	-1261.	1176.	<
18	12	3	141.	-1224.	1193.	<
19	12	3	113.	2087.	1744.	<
1	13	3	30.	-55.	428.	<
2	13	3	1167.	754.	457.	<
3	13	3	56.	508.	449.	<
4	13	3	618.	663.	550.	<
5	13	3	28.	111.	570.	<
6	13	3	15460.	14299.	980.	o
7	13	3	1.	664.	702.	<
8	13	3	15959.	16595.	1399.	o
9	13	3	440.	1087.	836.	<
10	13	3	14351.	14784.	1299.	o
11	13	3	7.	-628.	831.	<
12	13	3	2458.	2416.	945.	<
13	13	3	17.	-8.	917.	<
14	13	3	9346.	8926.	1216.	o
15	13	3	19.	362.	1007.	<
16	13	3	13557.	12380.	1562.	o
17	13	3	12.	2961.	1932.	<
18	13	3	18270.	12454.	2987.	o
0	14	3	202.	3707.	1003.	o
1	14	3	218443.	241426.	3317.	o

2	14	3	1760.	3868.	660.	o
3	14	3	193336.	215312.	3357.	o
4	14	3	134.	1939.	704.	<
5	14	3	152322.	162462.	3338.	o
6	14	3	1117.	1782.	797.	<
7	14	3	157325.	160298.	3496.	o
8	14	3	214.	597.	905.	<
9	14	3	195577.	204891.	4440.	o
10	14	3	1601.	4082.	1095.	o
11	14	3	141744.	134389.	3818.	o
12	14	3	562.	3331.	1072.	o
13	14	3	148798.	152056.	4568.	o
14	14	3	829.	-653.	1167.	<
15	14	3	87107.	87499.	4772.	o
16	14	3	632.	3460.	2531.	<
17	14	3	95551.	83109.	10350.	o
1	15	3	109.	-455.	733.	<
2	15	3	4074.	4513.	843.	o
3	15	3	77.	-813.	767.	<
4	15	3	3015.	4025.	871.	o
5	15	3	312.	1303.	870.	<
6	15	3	2072.	3855.	1073.	o
7	15	3	61.	1447.	937.	<
8	15	3	1645.	2004.	923.	<
9	15	3	147.	-213.	897.	<
10	15	3	11231.	10553.	1370.	o
11	15	3	22.	-1689.	1028.	<
12	15	3	11281.	10157.	1388.	o
13	15	3	31.	-342.	1334.	<
14	15	3	11862.	7316.	2424.	o
15	15	3	12.	-1218.	2365.	<
0	16	3	619.	1029.	1251.	<
1	16	3	63.	1066.	971.	<
2	16	3	205.	1108.	894.	<
3	16	3	52.	-555.	865.	<
4	16	3	328.	170.	903.	<
5	16	3	142.	-322.	891.	<
6	16	3	49.	-1110.	900.	<
7	16	3	70.	-1239.	945.	<
8	16	3	247.	1135.	902.	<
9	16	3	151.	-437.	1010.	<
10	16	3	212.	-1907.	1144.	<
11	16	3	0.	2400.	1718.	<
12	16	3	284.	-2388.	1912.	<
13	16	3	65.	-572.	1963.	<
1	17	3	5.	1093.	1120.	<
2	17	3	795.	2430.	1310.	<
3	17	3	69.	2227.	1121.	<
4	17	3	198.	-147.	1210.	<
5	17	3	31.	-1394.	1119.	<
6	17	3	4468.	3712.	1102.	o
7	17	3	7.	-920.	1268.	<
8	17	3	7583.	10409.	2280.	o
9	17	3	83.	-73.	1739.	<
10	17	3	7322.	8699.	2644.	o

11	17	3	53.	-1505.	2321.	<
0	18	3	417.	10485.	3349.	o
1	18	3	211913.	234432.	9907.	o
2	18	3	975.	5938.	2075.	<
3	18	3	131166.	143592.	7777.	o
4	18	3	103.	2489.	2112.	<
5	18	3	104003.	99113.	6348.	o
6	18	3	805.	1606.	1855.	<
7	18	3	113926.	109058.	8325.	o
0	0	4	191611.	127398.	2056.	o
1	0	4	112378.	114198.	1724.	o
2	0	4	844.	1135.	371.	o
3	0	4	3270.	1436.	506.	<
4	0	4	3133.	1052.	430.	<
5	0	4	10176.	10282.	663.	o
6	0	4	7776.	6039.	593.	o
7	0	4	4130.	3886.	526.	o
8	0	4	19329.	15121.	997.	o
9	0	4	30784.	24282.	1440.	o
10	0	4	10316.	9567.	1071.	o
11	0	4	50940.	56891.	2068.	o
12	0	4	9489.	8151.	984.	o
13	0	4	632.	501.	872.	<
14	0	4	762.	2209.	1084.	<
15	0	4	765.	185.	1039.	<
16	0	4	210.	798.	1180.	<
17	0	4	890.	-11.	1197.	<
18	0	4	530.	1488.	1056.	<
19	0	4	8354.	8018.	1596.	o
20	0	4	1235.	2631.	1318.	<
21	0	4	5753.	8134.	1353.	o
22	0	4	526.	-679.	1166.	<
23	0	4	2066.	3838.	1898.	<
24	0	4	508.	402.	3276.	<
1	1	4	801.	1767.	240.	o
2	1	4	12530.	8961.	412.	o
3	1	4	7960.	7495.	414.	o
4	1	4	453.	839.	330.	<
5	1	4	2914.	4671.	433.	o
6	1	4	5189.	3650.	449.	o
7	1	4	3595.	5518.	492.	o
8	1	4	3012.	3412.	559.	o
9	1	4	5206.	5820.	582.	o
10	1	4	1276.	1567.	514.	o
11	1	4	183.	1118.	536.	<
12	1	4	179.	-524.	555.	<
13	1	4	3866.	3208.	720.	o
14	1	4	0.	1385.	762.	<
15	1	4	3447.	5719.	912.	o
16	1	4	71.	-235.	730.	<
17	1	4	2663.	4794.	916.	o
18	1	4	7.	634.	876.	<
19	1	4	2330.	2505.	872.	<
20	1	4	212.	-1763.	813.	<
21	1	4	1628.	2633.	961.	<

22	1	4	148.	-1988.	929.	<
23	1	4	4439.	3459.	1307.	<
24	1	4	1540.	8278.	2850.	<
0	2	4	120.	739.	312.	<
1	2	4	85.	179.	215.	<
2	2	4	108.	-20.	231.	<
3	2	4	41.	-193.	241.	<
4	2	4	2318.	1301.	326.	o
5	2	4	576.	609.	313.	<
6	2	4	1336.	-18.	324.	<
7	2	4	240.	255.	388.	<
8	2	4	212.	116.	426.	<
9	2	4	64.	-1164.	503.	<
10	2	4	2054.	1478.	474.	o
11	2	4	862.	366.	531.	<
12	2	4	883.	915.	526.	<
13	2	4	184.	-783.	657.	<
14	2	4	23.	265.	613.	<
15	2	4	92.	639.	680.	<
16	2	4	338.	66.	719.	<
17	2	4	0.	1190.	789.	<
18	2	4	41.	616.	853.	<
19	2	4	12.	-1096.	830.	<
20	2	4	66.	426.	871.	<
21	2	4	215.	193.	898.	<
22	2	4	4.	1525.	991.	<
23	2	4	221.	4334.	1458.	<
24	2	4	22.	1437.	2603.	<
1	3	4	13744.	13992.	398.	o
2	3	4	26910.	24296.	522.	o
3	3	4	1923.	1165.	252.	o
4	3	4	2376.	2719.	310.	o
5	3	4	215.	468.	267.	<
6	3	4	111.	-158.	351.	<
7	3	4	6063.	4186.	430.	o
8	3	4	12734.	13178.	658.	o
9	3	4	1536.	1134.	426.	<
10	3	4	2849.	2189.	482.	o
11	3	4	584.	923.	467.	<
12	3	4	8012.	7448.	715.	o
13	3	4	14555.	15050.	1052.	o
14	3	4	41.	3350.	775.	o
15	3	4	3204.	3493.	841.	o
16	3	4	57.	2777.	822.	o
17	3	4	1131.	509.	852.	<
18	3	4	976.	2050.	864.	<
19	3	4	2609.	4559.	878.	o
20	3	4	76.	-253.	888.	<
21	3	4	2970.	1225.	947.	<
22	3	4	1076.	2193.	974.	<
23	3	4	6072.	6090.	1874.	o
0	4	4	30228.	30071.	854.	o
1	4	4	30546.	29542.	604.	o
2	4	4	403.	470.	252.	<
3	4	4	2767.	2933.	266.	o

4	4	4	33008.	32054.	625. o
5	4	4	31947.	33514.	679. o
6	4	4	368.	721.	319. <
7	4	4	25986.	25788.	708. o
8	4	4	29915.	26211.	803. o
9	4	4	14463.	13425.	664. o
10	4	4	3384.	2538.	447. o
11	4	4	20421.	19914.	832. o
12	4	4	5305.	3436.	571. o
13	4	4	1052.	2576.	691. o
14	4	4	240.	-152.	707. <
15	4	4	2312.	2959.	758. o
16	4	4	1771.	2374.	775. o
17	4	4	1453.	1622.	788. <
18	4	4	1805.	1243.	801. <
19	4	4	8130.	6617.	1074. o
20	4	4	767.	-741.	946. <
21	4	4	4107.	3151.	925. o
22	4	4	1318.	657.	1185. <
23	4	4	1904.	-3129.	1885. <
1	5	4	119.	94.	262. <
2	5	4	765.	51.	228. <
3	5	4	2477.	1847.	266. o
4	5	4	41.	4.	245. <
5	5	4	12081.	9764.	438. o
6	5	4	88.	-359.	291. <
7	5	4	2951.	1605.	328. o
8	5	4	399.	400.	366. <
9	5	4	3316.	3099.	456. o
10	5	4	4382.	3868.	478. o
11	5	4	169.	590.	455. <
12	5	4	5464.	3362.	527. o
13	5	4	3083.	3157.	705. o
14	5	4	106.	534.	788. <
15	5	4	4333.	3534.	805. o
16	5	4	1151.	1082.	763. <
17	5	4	6965.	7383.	986. o
18	5	4	271.	1144.	921. <
19	5	4	4082.	4483.	998. o
20	5	4	155.	1038.	916. <
21	5	4	1147.	2497.	1094. <
22	5	4	493.	362.	1420. <
23	5	4	3083.	2168.	2258. <
0	6	4	971.	2005.	415. o
1	6	4	39.	-176.	263. <
2	6	4	114.	-40.	254. <
3	6	4	383.	-196.	260. <
4	6	4	1890.	1832.	296. o
5	6	4	251.	887.	278. o
6	6	4	8.	-102.	319. <
7	6	4	131.	-112.	305. <
8	6	4	1252.	567.	340. <
9	6	4	226.	-304.	406. <
10	6	4	792.	760.	418. <
11	6	4	528.	653.	415. <

12	6	4	319.	-1084.	542.	<
13	6	4	585.	1070.	621.	<
14	6	4	85.	356.	629.	<
15	6	4	3.	-1906.	854.	<
16	6	4	563.	846.	806.	<
17	6	4	94.	693.	993.	<
18	6	4	121.	1026.	877.	<
19	6	4	5.	-588.	951.	<
20	6	4	173.	139.	900.	<
21	6	4	481.	1631.	1198.	<
22	6	4	75.	3076.	1464.	<
23	6	4	304.	3267.	3109.	<
1	7	4	10786.	9017.	437.	o
2	7	4	6807.	6172.	385.	o
3	7	4	116.	-48.	271.	<
4	7	4	1927.	2892.	322.	o
5	7	4	2013.	2144.	313.	o
6	7	4	5137.	5940.	426.	o
7	7	4	1457.	1251.	346.	o
8	7	4	5495.	3656.	418.	o
9	7	4	50.	342.	384.	<
10	7	4	1355.	1705.	456.	o
11	7	4	3218.	3752.	494.	o
12	7	4	1926.	2638.	569.	o
13	7	4	7775.	7680.	769.	o
14	7	4	80.	-523.	685.	<
15	7	4	1233.	807.	733.	<
16	7	4	61.	1744.	873.	<
17	7	4	2224.	804.	979.	<
18	7	4	298.	-1363.	962.	<
19	7	4	3126.	2532.	992.	<
20	7	4	365.	831.	1123.	<
21	7	4	2383.	2130.	1202.	<
22	7	4	516.	-290.	1520.	<
0	8	4	6279.	6025.	536.	o
1	8	4	2006.	1987.	332.	o
2	8	4	491.	754.	323.	<
3	8	4	32322.	34585.	794.	o
4	8	4	32181.	35136.	767.	o
5	8	4	23779.	26214.	661.	o
6	8	4	4065.	4415.	386.	o
7	8	4	25049.	23843.	753.	o
8	8	4	11181.	9579.	602.	o
9	8	4	2350.	2602.	429.	o
10	8	4	481.	921.	446.	<
11	8	4	1824.	1589.	555.	<
12	8	4	4658.	3057.	594.	o
13	8	4	4480.	4048.	675.	o
14	8	4	2312.	1957.	744.	<
15	8	4	7442.	9625.	1043.	o
16	8	4	2213.	2402.	1035.	<
17	8	4	1411.	1316.	865.	<
18	8	4	730.	842.	1010.	<
19	8	4	2170.	2616.	1063.	<
20	8	4	132.	1126.	1139.	<

21	8	4	1236.	-2407.	1541.	<
22	8	4	956.	4111.	1929.	<
1	9	4	2138.	2573.	333.	o
2	9	4	628.	216.	311.	<
3	9	4	412.	1123.	310.	o
4	9	4	46.	186.	293.	<
5	9	4	355.	541.	292.	<
6	9	4	781.	1309.	365.	o
7	9	4	1790.	1288.	416.	o
8	9	4	173.	-814.	415.	<
9	9	4	4737.	4368.	562.	o
10	9	4	80.	456.	462.	<
11	9	4	325.	797.	524.	<
12	9	4	4.	128.	574.	<
13	9	4	4678.	3628.	766.	o
14	9	4	1237.	415.	821.	<
15	9	4	1759.	1957.	891.	<
16	9	4	24.	1875.	967.	<
17	9	4	1672.	1178.	1027.	<
18	9	4	0.	-2193.	1110.	<
19	9	4	3844.	5394.	1182.	o
20	9	4	1217.	1836.	1109.	<
21	9	4	2902.	544.	1588.	<
0	10	4	541.	1451.	501.	<
1	10	4	277.	-59.	337.	<
2	10	4	76.	-108.	357.	<
3	10	4	10.	66.	328.	<
4	10	4	433.	456.	344.	<
5	10	4	8.	217.	386.	<
6	10	4	575.	-301.	404.	<
7	10	4	596.	1409.	481.	<
8	10	4	1037.	584.	491.	<
9	10	4	81.	-159.	494.	<
10	10	4	29.	-6.	562.	<
11	10	4	356.	29.	596.	<
12	10	4	633.	770.	629.	<
13	10	4	49.	-53.	847.	<
14	10	4	68.	-414.	816.	<
15	10	4	4.	83.	872.	<
16	10	4	103.	204.	902.	<
17	10	4	179.	572.	909.	<
18	10	4	86.	717.	1018.	<
19	10	4	37.	-1302.	991.	<
20	10	4	161.	-888.	1643.	<
21	10	4	58.	-1257.	2661.	<
1	11	4	685.	716.	376.	<
2	11	4	1952.	1686.	402.	o
3	11	4	2516.	2186.	408.	o
4	11	4	1544.	1649.	409.	o
5	11	4	285.	274.	395.	<
6	11	4	1.	-45.	479.	<
7	11	4	314.	685.	463.	<
8	11	4	679.	358.	513.	<
9	11	4	1820.	1819.	567.	o
10	11	4	55.	-616.	536.	<

11	11	4	592.	1948.	762.	<
12	11	4	11.	2377.	902.	<
13	11	4	656.	455.	800.	<
14	11	4	824.	1056.	895.	<
15	11	4	1157.	1709.	941.	<
16	11	4	168.	320.	873.	<
17	11	4	1954.	2380.	953.	<
18	11	4	138.	1115.	1221.	<
19	11	4	2530.	904.	1237.	<
20	11	4	701.	1087.	2001.	<
0	12	4	10295.	13744.	1007.	o
1	12	4	4534.	4457.	463.	o
2	12	4	772.	243.	433.	<
3	12	4	19447.	22630.	903.	o
4	12	4	11099.	12222.	674.	o
5	12	4	5931.	6236.	579.	o
6	12	4	2071.	1475.	541.	<
7	12	4	10020.	10913.	839.	o
8	12	4	4892.	3801.	633.	o
9	12	4	2455.	3047.	701.	o
10	12	4	282.	809.	740.	<
11	12	4	2588.	295.	828.	<
12	12	4	3066.	3419.	964.	o
13	12	4	4458.	4424.	930.	o
14	12	4	1774.	2333.	980.	<
15	12	4	4056.	4231.	1078.	o
16	12	4	730.	724.	1088.	<
17	12	4	1150.	2274.	1288.	<
18	12	4	395.	-48.	1433.	<
19	12	4	1621.	1151.	1897.	<
1	13	4	4020.	4147.	488.	o
2	13	4	571.	606.	395.	<
3	13	4	4.	-358.	491.	<
4	13	4	334.	632.	500.	<
5	13	4	281.	896.	578.	<
6	13	4	2229.	2281.	665.	o
7	13	4	1280.	1038.	833.	<
8	13	4	1228.	1346.	822.	<
9	13	4	562.	542.	825.	<
10	13	4	1.	-245.	798.	<
11	13	4	1829.	1313.	841.	<
12	13	4	685.	1340.	899.	<
13	13	4	4434.	4733.	1059.	o
14	13	4	76.	885.	950.	<
15	13	4	929.	2301.	1055.	<
16	13	4	188.	-116.	1201.	<
17	13	4	801.	769.	1694.	<
18	13	4	107.	1704.	2190.	<
0	14	4	801.	-935.	870.	<
1	14	4	241.	-570.	670.	<
2	14	4	420.	57.	604.	<
3	14	4	159.	-1118.	632.	<
4	14	4	1297.	-161.	698.	<
5	14	4	489.	475.	680.	<
6	14	4	265.	-27.	766.	<

7	14	4	779.	-193.	716.	<
8	14	4	872.	-842.	884.	<
9	14	4	676.	990.	872.	<
10	14	4	475.	1155.	909.	<
11	14	4	94.	-447.	956.	<
12	14	4	1262.	829.	1006.	<
13	14	4	42.	1549.	1052.	<
14	14	4	208.	533.	1397.	<
15	14	4	497.	-3117.	1910.	<
16	14	4	193.	-3098.	1701.	<
1	15	4	31.	-176.	750.	<
2	15	4	1862.	1975.	801.	<
3	15	4	367.	-1099.	778.	<
4	15	4	122.	1823.	879.	<
5	15	4	695.	1123.	824.	<
6	15	4	38.	-1321.	950.	<
7	15	4	423.	1802.	956.	<
8	15	4	490.	1664.	967.	<
9	15	4	1590.	298.	931.	<
10	15	4	276.	691.	1122.	<
11	15	4	56.	155.	1233.	<
12	15	4	742.	361.	1147.	<
13	15	4	578.	-158.	1681.	<
14	15	4	49.	2681.	2143.	<
15	15	4	2482.	1310.	2809.	<
0	16	4	7956.	9965.	1676.	o
1	16	4	10382.	11176.	1260.	o
2	16	4	2467.	1362.	856.	<
3	16	4	5394.	4128.	985.	o
4	16	4	4301.	6615.	1089.	o
5	16	4	3280.	4197.	1094.	o
6	16	4	990.	681.	935.	<
7	16	4	7752.	8243.	1185.	o
8	16	4	7467.	5488.	1131.	o
9	16	4	8482.	8831.	1320.	o
10	16	4	2360.	1487.	1362.	<
11	16	4	4970.	1792.	1507.	<
12	16	4	1688.	-356.	1642.	<
13	16	4	678.	2315.	2089.	<
1	17	4	989.	886.	1188.	<
2	17	4	560.	-226.	1188.	<
3	17	4	22.	211.	1183.	<
4	17	4	48.	3472.	1151.	o
5	17	4	789.	1653.	1006.	<
6	17	4	211.	302.	1017.	<
7	17	4	255.	25.	1282.	<
8	17	4	890.	-1381.	1381.	<
9	17	4	180.	-860.	1351.	<
10	17	4	753.	-64.	1466.	<
11	17	4	831.	2092.	2090.	<
0	18	4	1425.	1917.	1779.	<
1	18	4	85.	-113.	1417.	<
2	18	4	561.	4851.	2200.	<
3	18	4	319.	-2926.	2640.	<
4	18	4	857.	2164.	2123.	<

5	18	4	727.	697.	1877.	<
6	18	4	438.	382.	2292.	<
7	18	4	490.	-1218.	1840.	<
8	18	4	1070.	-1820.	2193.	<
1	19	4	20.	215.	2189.	<
1	1	5	736.	1450.	274.	o
2	1	5	11762.	9051.	427.	o
3	1	5	20180.	18808.	568.	o
4	1	5	103.	359.	327.	<
5	1	5	2109.	3694.	367.	o
6	1	5	589.	319.	395.	<
7	1	5	1021.	808.	386.	<
8	1	5	205.	348.	439.	<
9	1	5	25742.	26190.	999.	o
10	1	5	3092.	2388.	510.	o
11	1	5	6392.	6624.	585.	o
12	1	5	77.	240.	487.	<
13	1	5	1675.	1286.	578.	<
14	1	5	332.	1250.	700.	<
15	1	5	2783.	4159.	757.	o
16	1	5	92.	-222.	690.	<
17	1	5	9662.	9314.	881.	o
18	1	5	3215.	4505.	786.	o
19	1	5	20112.	21912.	1472.	o
20	1	5	1640.	286.	853.	<
21	1	5	18888.	18879.	1371.	o
22	1	5	1943.	1105.	938.	<
23	1	5	12908.	13094.	2107.	o
24	1	5	842.	7744.	2969.	<
0	2	5	1577150.	1672130.	5650.	o
1	2	5	300256.	291107.	1725.	o
2	2	5	1358770.	1638100.	3874.	o
3	2	5	275137.	261854.	1686.	o
4	2	5	1083470.	1098290.	3743.	o
5	2	5	121860.	101203.	1318.	o
6	2	5	424125.	433502.	2734.	o
7	2	5	115233.	106691.	1493.	o
8	2	5	826460.	906943.	4873.	o
9	2	5	122745.	111946.	1852.	o
10	2	5	461880.	478633.	3585.	o
11	2	5	98330.	88945.	1719.	o
12	2	5	616880.	670129.	4982.	o
13	2	5	112259.	107535.	2482.	o
14	2	5	413493.	458292.	4981.	o
15	2	5	54525.	49181.	1743.	o
16	2	5	247274.	261323.	4240.	o
17	2	5	44271.	46191.	1919.	o
18	2	5	180567.	192276.	3884.	o
19	2	5	20018.	19176.	1363.	o
20	2	5	116330.	123282.	3242.	o
21	2	5	19293.	17989.	1425.	o
22	2	5	112276.	126794.	3631.	o
23	2	5	13574.	13618.	1923.	o
1	3	5	2560.	4120.	274.	o
2	3	5	10040.	7717.	339.	o

3	3	5	830.	-54.	236.	<
4	3	5	3910.	3513.	297.	o
5	3	5	3580.	3922.	332.	o
6	3	5	313.	-826.	335.	<
7	3	5	16513.	13396.	607.	o
8	3	5	1299.	2196.	424.	o
9	3	5	2783.	4209.	525.	o
10	3	5	153.	546.	421.	<
11	3	5	4548.	4653.	537.	o
12	3	5	650.	1523.	530.	<
13	3	5	6639.	6180.	814.	o
14	3	5	1041.	2086.	711.	<
15	3	5	597.	956.	740.	<
16	3	5	110.	-669.	736.	<
17	3	5	2553.	4098.	826.	o
18	3	5	544.	313.	807.	<
19	3	5	10643.	13217.	1224.	o
20	3	5	1070.	1733.	829.	<
21	3	5	15367.	19028.	1432.	o
22	3	5	2381.	2018.	979.	<
23	3	5	13775.	13846.	2537.	o
0	4	5	1865.	930.	331.	<
1	4	5	1223.	572.	239.	<
2	4	5	656.	-70.	236.	<
3	4	5	3777.	3313.	276.	o
4	4	5	688.	669.	260.	<
5	4	5	953.	1024.	294.	o
6	4	5	2313.	1882.	316.	o
7	4	5	67.	188.	337.	<
8	4	5	2.	118.	351.	<
9	4	5	651.	-31.	444.	<
10	4	5	24.	-332.	442.	<
11	4	5	230.	54.	481.	<
12	4	5	389.	100.	564.	<
13	4	5	184.	1265.	677.	<
14	4	5	3.	521.	751.	<
15	4	5	316.	1204.	709.	<
16	4	5	414.	749.	734.	<
17	4	5	140.	224.	703.	<
18	4	5	763.	131.	841.	<
19	4	5	26.	1006.	858.	<
20	4	5	16.	1335.	1009.	<
21	4	5	76.	-879.	919.	<
22	4	5	300.	383.	1163.	<
23	4	5	15.	-1558.	1879.	<
1	5	5	299.	1415.	275.	o
2	5	5	1990.	1490.	278.	o
3	5	5	10784.	11024.	425.	o
4	5	5	38.	110.	258.	<
5	5	5	4587.	6137.	380.	o
6	5	5	73.	-26.	299.	<
7	5	5	1680.	1652.	375.	o
8	5	5	142.	-169.	390.	<
9	5	5	6083.	6488.	535.	o
10	5	5	151.	690.	452.	<

11	5	5	1965.	1513.	460.	o
12	5	5	1458.	1962.	561.	o
13	5	5	377.	336.	605.	<
14	5	5	716.	1243.	738.	<
15	5	5	5614.	5025.	866.	o
16	5	5	1509.	326.	757.	<
17	5	5	9939.	15025.	1314.	o
18	5	5	2181.	2129.	959.	<
19	5	5	12157.	14054.	1324.	o
20	5	5	677.	1543.	1031.	<
21	5	5	4673.	6447.	1277.	o
22	5	5	575.	-292.	1221.	<
23	5	5	5835.	6877.	2244.	o
0	6	5	2109980.	2625820.	8709.	o
1	6	5	336855.	379146.	2379.	o
2	6	5	1043100.	1191870.	3942.	o
3	6	5	200503.	188217.	1595.	o
4	6	5	1050140.	1197420.	4105.	o
5	6	5	151625.	160642.	1536.	o
6	6	5	647867.	708833.	3268.	o
7	6	5	163151.	141493.	1634.	o
8	6	5	825408.	854344.	4020.	o
9	6	5	159236.	159569.	1879.	o
10	6	5	764226.	849251.	4758.	o
11	6	5	118956.	102619.	1756.	o
12	6	5	530042.	532002.	4356.	o
13	6	5	93367.	85225.	1961.	o
14	6	5	311448.	305801.	3893.	o
15	6	5	44781.	35628.	1678.	o
16	6	5	254676.	241599.	4235.	o
17	6	5	50317.	41710.	1890.	o
18	6	5	223752.	212398.	4219.	o
19	6	5	34928.	28498.	1800.	o
20	6	5	171130.	172772.	4701.	o
21	6	5	27481.	21624.	1970.	o
22	6	5	111467.	102812.	5661.	o
23	6	5	11814.	831.	2567.	<
1	7	5	23247.	21953.	661.	o
2	7	5	2992.	2287.	293.	o
3	7	5	35.	-39.	272.	<
4	7	5	30.	63.	289.	<
5	7	5	2716.	1970.	298.	o
6	7	5	283.	-4.	287.	<
7	7	5	1765.	1358.	345.	o
8	7	5	986.	1074.	391.	<
9	7	5	530.	1434.	426.	o
10	7	5	54.	232.	449.	<
11	7	5	3368.	4172.	537.	o
12	7	5	1032.	2170.	613.	o
13	7	5	9867.	9563.	886.	o
14	7	5	2491.	1671.	732.	<
15	7	5	2928.	2756.	824.	o
16	7	5	102.	1492.	821.	<
17	7	5	4186.	6087.	1099.	o
18	7	5	849.	1347.	985.	<

19	7	5	5800.	5299.	1126.	o
20	7	5	372.	223.	1156.	<
21	7	5	10350.	11190.	1776.	o
22	7	5	2365.	3992.	1941.	<
0	8	5	570.	-308.	460.	<
1	8	5	74.	-173.	298.	<
2	8	5	92.	707.	294.	<
3	8	5	39.	-317.	302.	<
4	8	5	32.	-137.	290.	<
5	8	5	158.	315.	306.	<
6	8	5	22.	-188.	303.	<
7	8	5	414.	-277.	354.	<
8	8	5	5.	21.	410.	<
9	8	5	24.	-602.	441.	<
10	8	5	29.	333.	484.	<
11	8	5	135.	353.	524.	<
12	8	5	490.	946.	586.	<
13	8	5	30.	-211.	643.	<
14	8	5	7.	1794.	778.	<
15	8	5	47.	436.	795.	<
16	8	5	26.	318.	907.	<
17	8	5	0.	2583.	995.	<
18	8	5	3.	1654.	993.	<
19	8	5	89.	728.	1008.	<
20	8	5	50.	-313.	1329.	<
21	8	5	22.	-2218.	1833.	<
22	8	5	167.	301.	3025.	<
1	9	5	432.	1115.	319.	o
2	9	5	208.	-9.	303.	<
3	9	5	1241.	765.	313.	<
4	9	5	33.	-192.	307.	<
5	9	5	1667.	1551.	351.	o
6	9	5	48.	27.	346.	<
7	9	5	117.	-43.	378.	<
8	9	5	53.	977.	435.	<
9	9	5	7401.	6428.	572.	o
10	9	5	143.	510.	580.	<
11	9	5	267.	674.	600.	<
12	9	5	153.	1227.	594.	<
13	9	5	2779.	4468.	780.	o
14	9	5	630.	349.	825.	<
15	9	5	3351.	2350.	894.	<
16	9	5	405.	1316.	967.	<
17	9	5	3870.	3926.	1064.	o
18	9	5	749.	-873.	1074.	<
19	9	5	9466.	12044.	1407.	o
20	9	5	562.	1282.	1258.	<
21	9	5	6070.	2609.	1667.	<
0	10	5	1165370.	1376870.	7844.	o
1	10	5	197684.	230506.	2373.	o
2	10	5	635519.	734922.	3906.	o
3	10	5	100655.	97810.	1470.	o
4	10	5	424414.	444733.	3194.	o
5	10	5	65434.	61838.	1206.	o
6	10	5	274932.	280695.	2666.	o

7	10	5	54269.	46512.	1256.	o
8	10	5	453670.	477327.	4054.	o
9	10	5	108655.	105755.	2039.	o
10	10	5	475596.	486627.	4465.	o
11	10	5	86405.	75926.	1920.	o
12	10	5	376154.	406070.	5736.	o
13	10	5	49073.	42853.	2031.	o
14	10	5	179982.	173341.	4039.	o
15	10	5	27911.	25681.	1692.	o
16	10	5	144439.	137590.	3682.	o
17	10	5	26156.	22419.	1652.	o
18	10	5	138919.	143694.	3765.	o
19	10	5	20120.	17193.	1715.	o
20	10	5	114225.	111205.	5791.	o
1	11	5	623.	1064.	380.	<
2	11	5	982.	436.	406.	<
3	11	5	3354.	3591.	413.	o
4	11	5	79.	-81.	406.	<
5	11	5	1476.	1465.	428.	o
6	11	5	146.	241.	498.	<
7	11	5	1786.	2334.	527.	o
8	11	5	33.	228.	553.	<
9	11	5	5958.	6995.	678.	o
10	11	5	589.	1237.	644.	<
11	11	5	733.	-566.	828.	<
12	11	5	173.	1244.	771.	<
13	11	5	4759.	6308.	978.	o
14	11	5	718.	855.	860.	<
15	11	5	4828.	4797.	972.	o
16	11	5	394.	381.	1006.	<
17	11	5	7748.	5882.	1182.	o
18	11	5	1434.	4440.	1313.	o
19	11	5	9219.	6435.	1777.	o
20	11	5	367.	-5609.	3896.	<
0	12	5	398.	48.	654.	<
1	12	5	22.	-483.	398.	<
2	12	5	66.	-492.	391.	<
3	12	5	24.	-574.	430.	<
4	12	5	0.	-924.	478.	<
5	12	5	83.	-474.	455.	<
6	12	5	1.	-393.	490.	<
7	12	5	39.	959.	621.	<
8	12	5	248.	2158.	664.	o
9	12	5	63.	890.	682.	<
10	12	5	15.	-835.	779.	<
11	12	5	130.	-672.	838.	<
12	12	5	93.	-1937.	889.	<
13	12	5	77.	-432.	973.	<
14	12	5	212.	934.	913.	<
15	12	5	124.	83.	924.	<
16	12	5	126.	1251.	978.	<
17	12	5	21.	517.	1488.	<
18	12	5	63.	-321.	1382.	<
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1	13	5	3211.	4483.	621.	o

2	13	5	294.	62.	464.	<
3	13	5	467.	65.	528.	<
4	13	5	83.	372.	607.	<
5	13	5	515.	569.	563.	<
6	13	5	75.	-372.	634.	<
7	13	5	228.	-189.	738.	<
8	13	5	221.	-1076.	811.	<
9	13	5	1566.	2095.	846.	<
10	13	5	238.	735.	916.	<
11	13	5	5592.	7191.	1044.	o
12	13	5	1127.	706.	939.	<
13	13	5	7021.	6614.	1110.	o
14	13	5	630.	-139.	992.	<
15	13	5	2438.	2573.	1152.	<
16	13	5	122.	356.	1308.	<
17	13	5	2322.	1677.	1589.	<
0	14	5	596694.	669891.	9586.	o
1	14	5	107608.	125540.	3084.	o
2	14	5	424673.	455400.	5076.	o
3	14	5	82789.	87513.	2400.	o
4	14	5	396328.	417520.	5371.	o
5	14	5	67009.	66033.	2217.	o
6	14	5	291872.	303020.	4892.	o
7	14	5	56108.	47608.	2082.	o
8	14	5	312811.	315930.	5470.	o
9	14	5	62374.	57748.	2474.	o
10	14	5	286784.	286658.	5218.	o
11	14	5	54046.	47323.	2286.	o
12	14	5	254946.	252192.	5165.	o
13	14	5	41258.	36552.	2255.	o
14	14	5	166791.	153319.	5612.	o
15	14	5	25645.	20804.	2932.	o
16	14	5	128062.	111944.	8078.	o
1	15	5	7.	-289.	697.	<
2	15	5	98.	584.	768.	<
3	15	5	974.	1246.	899.	<
4	15	5	187.	-359.	735.	<
5	15	5	1047.	2357.	931.	<
6	15	5	74.	-2207.	914.	<
7	15	5	436.	7.	949.	<
8	15	5	89.	1199.	1068.	<
9	15	5	3388.	4552.	1096.	o
10	15	5	172.	6.	1217.	<
11	15	5	260.	30.	1188.	<
12	15	5	69.	1292.	1537.	<
13	15	5	1391.	986.	1535.	<
14	15	5	408.	-7574.	3821.	<
0	16	5	36.	2070.	1256.	<
1	16	5	0.	672.	859.	<
2	16	5	70.	459.	895.	<
3	16	5	9.	-674.	904.	<
4	16	5	33.	-362.	892.	<
5	16	5	25.	-1.	911.	<
6	16	5	1.	1074.	995.	<
7	16	5	20.	862.	961.	<

8	16	5	43.	899.	1101.	<
9	16	5	18.	975.	1102.	<
10	16	5	76.	-1043.	1325.	<
11	16	5	128.	817.	1792.	<
12	16	5	144.	1080.	1664.	<
13	16	5	22.	-6255.	3678.	<
1	17	5	1113.	278.	1119.	<
2	17	5	396.	1487.	1025.	<
3	17	5	274.	341.	1312.	<
4	17	5	19.	-379.	1121.	<
5	17	5	374.	1331.	1154.	<
6	17	5	12.	319.	1153.	<
7	17	5	109.	-488.	1511.	<
8	17	5	74.	3364.	1577.	<
9	17	5	365.	2372.	1567.	<
10	17	5	47.	-865.	1437.	<
0	18	5	313999.	308404.	13697.	o
1	18	5	61275.	63794.	4693.	o
2	18	5	287491.	297082.	10998.	o
3	18	5	60744.	62513.	6379.	o
4	18	5	321884.	346388.	14404.	o
5	18	5	59716.	76410.	5701.	o
6	18	5	249911.	264500.	10233.	o
7	18	5	47298.	49734.	4658.	o
8	18	5	220016.	211706.	11537.	o
1	19	5	343.	4439.	2820.	<
2	19	5	4.	-1523.	2326.	<
0	0	6	847280.	920046.	5970.	o
1	0	6	4916.	5844.	590.	o
2	0	6	165044.	201633.	2353.	o
3	0	6	5349.	4177.	510.	o
4	0	6	256671.	280626.	3454.	o
5	0	6	164.	-234.	455.	<
6	0	6	134251.	145955.	2438.	o
7	0	6	10590.	8414.	727.	o
8	0	6	263718.	284269.	3845.	o
9	0	6	917.	2545.	660.	o
10	0	6	390761.	417403.	5094.	o
11	0	6	6857.	4899.	732.	o
12	0	6	105375.	105451.	2830.	o
13	0	6	28.	1965.	904.	<
14	0	6	30894.	33521.	2106.	o
15	0	6	4429.	5329.	1212.	o
16	0	6	32298.	32221.	2289.	o
17	0	6	659.	682.	1165.	<
18	0	6	40103.	35358.	2536.	o
19	0	6	3874.	7279.	1458.	o
20	0	6	56358.	60588.	3172.	o
21	0	6	32.	700.	1442.	<
22	0	6	32906.	27084.	2534.	o
23	0	6	1020.	2071.	2898.	<
24	0	6	9119.	6357.	4280.	<
1	1	6	4025.	2886.	309.	o
2	1	6	9055.	8917.	412.	o
3	1	6	40016.	41503.	871.	o

4	1	6	2522.	1428.	328.	o
5	1	6	133.	-34.	310.	<
6	1	6	12057.	12580.	587.	o
7	1	6	1297.	1383.	432.	o
8	1	6	45.	-40.	445.	<
9	1	6	129.	301.	465.	<
10	1	6	5316.	6696.	632.	o
11	1	6	1503.	1548.	483.	o
12	1	6	878.	1471.	568.	<
13	1	6	1382.	1561.	600.	<
14	1	6	3850.	5121.	733.	o
15	1	6	661.	1131.	714.	<
16	1	6	99.	1327.	743.	<
17	1	6	1414.	1369.	753.	<
18	1	6	4228.	4761.	900.	o
19	1	6	1006.	790.	839.	<
20	1	6	637.	-213.	774.	<
21	1	6	304.	-661.	980.	<
22	1	6	3083.	4282.	1013.	o
23	1	6	2191.	5249.	1823.	<
24	1	6	305.	4051.	2437.	<
0	2	6	941.	762.	389.	<
1	2	6	2283.	1687.	271.	o
2	2	6	318.	599.	263.	<
3	2	6	4655.	3192.	338.	o
4	2	6	11.	-73.	270.	<
5	2	6	4048.	4661.	403.	o
6	2	6	38.	349.	346.	<
7	2	6	97.	1101.	441.	<
8	2	6	2149.	1926.	458.	o
9	2	6	40.	34.	426.	<
10	2	6	4.	293.	485.	<
11	2	6	136.	-411.	484.	<
12	2	6	346.	-139.	540.	<
13	2	6	123.	-332.	623.	<
14	2	6	82.	-851.	663.	<
15	2	6	43.	-994.	697.	<
16	2	6	146.	-492.	733.	<
17	2	6	1.	11.	711.	<
18	2	6	354.	-729.	760.	<
19	2	6	148.	-745.	858.	<
20	2	6	148.	-74.	906.	<
21	2	6	21.	-359.	909.	<
22	2	6	59.	-327.	1057.	<
23	2	6	6.	912.	1401.	<
1	3	6	6028.	5605.	311.	o
2	3	6	759.	-48.	240.	<
3	3	6	273.	1273.	257.	o
4	3	6	3045.	1817.	259.	o
5	3	6	2389.	1480.	272.	o
6	3	6	2715.	2229.	341.	o
7	3	6	10516.	10073.	615.	o
8	3	6	290.	204.	404.	<
9	3	6	5296.	3470.	487.	o
10	3	6	7747.	6493.	550.	o

11	3	6	68.	621.	484.	<
12	3	6	216.	-410.	599.	<
13	3	6	3701.	4005.	691.	o
14	3	6	3947.	4243.	760.	o
15	3	6	95.	-7.	588.	<
16	3	6	230.	709.	711.	<
17	3	6	98.	280.	746.	<
18	3	6	4782.	5571.	871.	o
19	3	6	571.	2305.	939.	<
20	3	6	712.	-89.	828.	<
21	3	6	906.	2750.	927.	<
22	3	6	2708.	3412.	1293.	<
23	3	6	3924.	4502.	1973.	<
0	4	6	107123.	102043.	1423.	o
1	4	6	452.	1031.	234.	o
2	4	6	26064.	22751.	514.	o
3	4	6	3725.	3909.	301.	o
4	4	6	127342.	139067.	1338.	o
5	4	6	61.	276.	262.	<
6	4	6	125389.	143668.	1506.	o
7	4	6	4306.	4076.	396.	o
8	4	6	163138.	174082.	2013.	o
9	4	6	56.	114.	419.	<
10	4	6	84798.	93049.	1547.	o
11	4	6	6734.	7175.	585.	o
12	4	6	42602.	46309.	1464.	o
13	4	6	1146.	2535.	705.	o
14	4	6	12723.	15339.	1053.	o
15	4	6	3123.	4443.	750.	o
16	4	6	18150.	21769.	1325.	o
17	4	6	592.	-686.	762.	<
18	4	6	28985.	32515.	1617.	o
19	4	6	1313.	1485.	863.	<
20	4	6	27216.	29572.	1776.	o
21	4	6	121.	908.	1002.	<
22	4	6	20906.	17950.	2217.	o
23	4	6	684.	2555.	2418.	<
1	5	6	2434.	2676.	274.	o
2	5	6	3981.	3348.	312.	o
3	5	6	7491.	5482.	329.	o
4	5	6	241.	548.	274.	<
5	5	6	292.	379.	276.	<
6	5	6	1341.	805.	325.	<
7	5	6	162.	-195.	362.	<
8	5	6	1837.	1585.	456.	o
9	5	6	1356.	2440.	434.	o
10	5	6	4766.	3920.	457.	o
11	5	6	6235.	6828.	608.	o
12	5	6	344.	601.	549.	<
13	5	6	635.	816.	660.	<
14	5	6	7009.	8967.	909.	o
15	5	6	5009.	4808.	761.	o
16	5	6	89.	676.	690.	<
17	5	6	7867.	7004.	956.	o
18	5	6	4020.	2422.	837.	<

19	5	6	4811.	5446.	1045.	o
20	5	6	875.	1422.	1051.	<
21	5	6	439.	-322.	1080.	<
22	5	6	3655.	3620.	1823.	<
23	5	6	897.	3368.	2672.	<
0	6	6	121.	-247.	374.	<
1	6	6	1032.	1518.	312.	o
2	6	6	133.	-129.	297.	<
3	6	6	434.	42.	275.	<
4	6	6	187.	-252.	283.	<
5	6	6	493.	378.	299.	<
6	6	6	10.	25.	299.	<
7	6	6	553.	2115.	374.	o
8	6	6	602.	796.	416.	<
9	6	6	301.	152.	452.	<
10	6	6	12.	-593.	424.	<
11	6	6	139.	-562.	466.	<
12	6	6	1560.	1558.	569.	<
13	6	6	776.	543.	569.	<
14	6	6	0.	-580.	683.	<
15	6	6	9.	1457.	778.	<
16	6	6	325.	-539.	751.	<
17	6	6	290.	344.	808.	<
18	6	6	124.	-37.	819.	<
19	6	6	59.	17.	949.	<
20	6	6	4.	1019.	1041.	<
21	6	6	95.	-46.	1220.	<
22	6	6	763.	-522.	1668.	<
23	6	6	32.	4645.	2560.	<
1	7	6	15212.	14101.	545.	o
2	7	6	363.	307.	288.	<
3	7	6	5.	-386.	278.	<
4	7	6	76.	427.	301.	<
5	7	6	463.	645.	292.	<
6	7	6	1916.	1427.	311.	o
7	7	6	1894.	1150.	348.	o
8	7	6	1012.	2264.	435.	o
9	7	6	1672.	615.	436.	<
10	7	6	3849.	2979.	540.	o
11	7	6	1173.	1118.	485.	<
12	7	6	44.	-367.	585.	<
13	7	6	2741.	3161.	602.	o
14	7	6	3614.	2238.	688.	o
15	7	6	486.	549.	728.	<
16	7	6	335.	-1400.	818.	<
17	7	6	1186.	164.	855.	<
18	7	6	2680.	3082.	955.	o
19	7	6	2520.	1659.	882.	<
20	7	6	539.	278.	1093.	<
21	7	6	3135.	3105.	1643.	<
22	7	6	1908.	1399.	2277.	<
0	8	6	31713.	27845.	1067.	o
1	8	6	476.	953.	327.	<
2	8	6	56633.	64515.	1002.	o
3	8	6	2973.	3827.	359.	o

4	8	6	175611.	194029.	1765.	o
5	8	6	372.	766.	334.	<
6	8	6	143706.	165020.	1766.	o
7	8	6	3701.	4169.	422.	o
8	8	6	115389.	121965.	1670.	o
9	8	6	65.	1124.	467.	<
10	8	6	27557.	23233.	1000.	o
11	8	6	3627.	3658.	593.	o
12	8	6	44678.	51764.	1776.	o
13	8	6	102.	162.	671.	<
14	8	6	39940.	45744.	1712.	o
15	8	6	2016.	1353.	806.	<
16	8	6	25156.	26529.	1553.	o
17	8	6	233.	122.	820.	<
18	8	6	19729.	21788.	1482.	o
19	8	6	891.	1578.	962.	<
20	8	6	12600.	10180.	1608.	o
21	8	6	87.	-190.	2092.	<
22	8	6	17794.	15830.	5118.	o
1	9	6	992.	808.	302.	<
2	9	6	155.	47.	297.	<
3	9	6	3303.	3459.	369.	o
4	9	6	605.	749.	329.	<
5	9	6	565.	524.	337.	<
6	9	6	3147.	2614.	392.	o
7	9	6	3521.	3660.	472.	o
8	9	6	36.	155.	382.	<
9	9	6	733.	883.	502.	<
10	9	6	5499.	5053.	671.	o
11	9	6	524.	589.	676.	<
12	9	6	429.	187.	657.	<
13	9	6	303.	-459.	936.	<
14	9	6	3789.	3258.	881.	o
15	9	6	96.	655.	759.	<
16	9	6	385.	906.	884.	<
17	9	6	447.	583.	862.	<
18	9	6	3606.	1685.	1082.	<
19	9	6	2657.	3973.	1114.	o
20	9	6	727.	1773.	1414.	<
21	9	6	1134.	-2990.	3089.	<
0	10	6	1031.	1399.	490.	<
1	10	6	833.	670.	381.	<
2	10	6	5.	237.	371.	<
3	10	6	1850.	2051.	363.	o
4	10	6	221.	-723.	343.	<
5	10	6	318.	353.	374.	<
6	10	6	0.	-750.	398.	<
7	10	6	400.	1140.	481.	<
8	10	6	6.	863.	494.	<
9	10	6	1128.	1922.	531.	o
10	10	6	283.	214.	584.	<
11	10	6	390.	-137.	683.	<
12	10	6	71.	-684.	745.	<
13	10	6	387.	1598.	925.	<
14	10	6	1.	505.	833.	<

15	10	6	140.	-543.	897.	<
16	10	6	0.	68.	1022.	<
17	10	6	538.	-47.	1032.	<
18	10	6	86.	-373.	1130.	<
19	10	6	57.	-624.	1542.	<
20	10	6	45.	1196.	1998.	<
1	11	6	438.	732.	420.	<
2	11	6	93.	149.	375.	<
3	11	6	11511.	11563.	657.	o
4	11	6	93.	446.	395.	<
5	11	6	613.	112.	435.	<
6	11	6	1172.	533.	447.	<
7	11	6	307.	264.	539.	<
8	11	6	97.	-264.	579.	<
9	11	6	987.	755.	603.	<
10	11	6	2255.	2639.	682.	o
11	11	6	159.	-801.	842.	<
12	11	6	226.	-25.	813.	<
13	11	6	1222.	124.	839.	<
14	11	6	1452.	2944.	974.	o
15	11	6	97.	-382.	919.	<
16	11	6	243.	1118.	1195.	<
17	11	6	1058.	2095.	1091.	<
18	11	6	1350.	3541.	1611.	<
19	11	6	1784.	8700.	4109.	<
0	12	6	87307.	103047.	2885.	o
1	12	6	1464.	2371.	541.	o
2	12	6	91638.	103169.	1957.	o
3	12	6	1585.	1842.	492.	o
4	12	6	150225.	166870.	2380.	o
5	12	6	448.	837.	481.	<
6	12	6	107408.	113939.	2152.	o
7	12	6	3711.	4839.	712.	o
8	12	6	100609.	96586.	2388.	o
9	12	6	38.	144.	748.	<
10	12	6	52892.	51842.	2182.	o
11	12	6	2556.	4309.	932.	o
12	12	6	52070.	51388.	2273.	o
13	12	6	104.	-80.	935.	<
14	12	6	45124.	45907.	2328.	o
15	12	6	1170.	-323.	1034.	<
16	12	6	27592.	27464.	2185.	o
17	12	6	39.	-1387.	1334.	<
18	12	6	21088.	17034.	2610.	o
1	13	6	1955.	2058.	539.	o
2	13	6	104.	840.	568.	<
3	13	6	21.	-406.	566.	<
4	13	6	472.	124.	583.	<
5	13	6	267.	54.	585.	<
6	13	6	1419.	2105.	665.	o
7	13	6	2880.	3025.	795.	o
8	13	6	219.	-84.	859.	<
9	13	6	388.	-549.	856.	<
10	13	6	2763.	1027.	923.	<
11	13	6	858.	1468.	907.	<

12	13	6	296.	284.	943.	<
13	13	6	670.	1509.	1013.	<
14	13	6	2667.	2809.	1095.	<
15	13	6	95.	-256.	1174.	<
16	13	6	410.	-576.	1465.	<
17	13	6	169.	-1514.	1796.	<
0	14	6	3.	-489.	1058.	<
1	14	6	1969.	725.	660.	<
2	14	6	0.	-317.	664.	<
3	14	6	995.	905.	596.	<
4	14	6	76.	-159.	715.	<
5	14	6	1347.	1697.	759.	<
6	14	6	27.	-273.	831.	<
7	14	6	1018.	2054.	957.	<
8	14	6	34.	-881.	919.	<
9	14	6	1554.	3755.	1068.	o
10	14	6	4.	338.	992.	<
11	14	6	612.	136.	1095.	<
12	14	6	410.	-1383.	1153.	<
13	14	6	846.	1581.	1320.	<
14	14	6	45.	-526.	1636.	<
15	14	6	382.	56.	3301.	<
1	15	6	1359.	1253.	693.	<
2	15	6	33.	-1567.	832.	<
3	15	6	3745.	2307.	828.	<
4	15	6	102.	399.	806.	<
5	15	6	123.	-231.	848.	<
6	15	6	472.	-542.	923.	<
7	15	6	513.	663.	1014.	<
8	15	6	245.	702.	961.	<
9	15	6	751.	461.	1047.	<
10	15	6	1246.	2458.	1132.	<
11	15	6	902.	165.	1314.	<
12	15	6	347.	788.	1675.	<
13	15	6	473.	-42.	2103.	<
14	15	6	920.	9202.	5966.	<
0	16	6	50238.	45219.	3106.	o
1	16	6	543.	1041.	915.	<
2	16	6	38214.	38231.	2060.	o
3	16	6	668.	184.	981.	<
4	16	6	38191.	37167.	2025.	o
5	16	6	70.	653.	997.	<
6	16	6	35540.	33075.	2066.	o
7	16	6	772.	1182.	1054.	<
8	16	6	55570.	57788.	2815.	o
9	16	6	128.	-174.	1386.	<
10	16	6	34505.	33598.	2986.	o
11	16	6	994.	304.	1571.	<
12	16	6	18039.	15505.	2675.	o
1	17	6	663.	2313.	1195.	<
2	17	6	337.	-1219.	1031.	<
3	17	6	78.	-306.	1246.	<
4	17	6	144.	-1094.	1145.	<
5	17	6	48.	1473.	1180.	<
6	17	6	732.	981.	1363.	<

7	17	6	440.	-631.	1172.	<
8	17	6	308.	-677.	1257.	<
9	17	6	409.	657.	1416.	<
10	17	6	1600.	1929.	1283.	<
0	18	6	67.	758.	1751.	<
1	18	6	1802.	1756.	1563.	<
2	18	6	0.	1431.	1505.	<
3	18	6	1252.	-950.	2296.	<
4	18	6	7.	-552.	2427.	<
5	18	6	1262.	2325.	2193.	<
6	18	6	6.	3276.	2101.	<
7	18	6	936.	1637.	2425.	<
1	1	7	15938.	13739.	467.	o
2	1	7	13820.	13543.	466.	o
3	1	7	21021.	22011.	673.	o
4	1	7	2626.	1447.	347.	o
5	1	7	3918.	2878.	332.	o
6	1	7	11276.	12445.	619.	o
7	1	7	1861.	2356.	472.	o
8	1	7	316.	631.	441.	<
9	1	7	2131.	1994.	478.	o
10	1	7	13854.	14244.	738.	o
11	1	7	3517.	3212.	484.	o
12	1	7	9098.	7427.	756.	o
13	1	7	21973.	23744.	1302.	o
14	1	7	24011.	21477.	1344.	o
15	1	7	10338.	6904.	886.	o
16	1	7	2945.	3138.	856.	o
17	1	7	2856.	3581.	844.	o
18	1	7	8307.	8817.	1112.	o
19	1	7	956.	2019.	824.	<
20	1	7	1498.	2685.	1063.	<
21	1	7	907.	733.	1014.	<
22	1	7	6373.	5280.	1341.	o
23	1	7	1923.	5561.	1989.	<
0	2	7	677902.	696300.	4490.	o
1	2	7	358245.	361969.	2297.	o
2	2	7	366501.	372116.	2323.	o
3	2	7	153056.	153573.	1550.	o
4	2	7	310137.	315914.	2276.	o
5	2	7	287359.	281407.	2193.	o
6	2	7	437868.	452740.	3171.	o
7	2	7	196782.	209740.	2589.	o
8	2	7	452249.	477695.	4104.	o
9	2	7	330205.	326336.	3393.	o
10	2	7	415949.	422815.	3547.	o
11	2	7	144410.	151172.	2166.	o
12	2	7	206809.	225224.	3040.	o
13	2	7	97199.	98045.	2370.	o
14	2	7	77334.	76841.	2347.	o
15	2	7	28374.	27367.	1523.	o
16	2	7	91429.	100596.	2897.	o
17	2	7	77009.	82834.	2602.	o
18	2	7	112638.	123478.	3242.	o
19	2	7	45943.	41290.	1924.	o

20	2	7	109463.	109059.	3407.	o
21	2	7	54617.	58232.	2799.	o
22	2	7	57698.	54528.	3060.	o
23	2	7	13863.	14367.	2362.	o
1	3	7	24.	131.	253.	<
2	3	7	276.	491.	247.	<
3	3	7	78.	89.	273.	<
4	3	7	897.	1210.	259.	o
5	3	7	9165.	7564.	410.	o
6	3	7	6620.	5521.	399.	o
7	3	7	9274.	7868.	535.	o
8	3	7	7855.	6277.	607.	o
9	3	7	9457.	7959.	647.	o
10	3	7	12546.	10939.	731.	o
11	3	7	4077.	3964.	615.	o
12	3	7	996.	661.	622.	<
13	3	7	6658.	6276.	817.	o
14	3	7	21430.	20818.	1274.	o
15	3	7	7750.	6755.	913.	o
16	3	7	2615.	1657.	819.	<
17	3	7	6219.	6168.	942.	o
18	3	7	10266.	11617.	1206.	o
19	3	7	1945.	710.	861.	<
20	3	7	1384.	1774.	927.	<
21	3	7	321.	-374.	1033.	<
22	3	7	3755.	6854.	1692.	o
23	3	7	691.	3526.	2324.	<
0	4	7	18.	709.	354.	<
1	4	7	373.	449.	241.	<
2	4	7	266.	657.	258.	<
3	4	7	474.	-48.	261.	<
4	4	7	337.	-114.	277.	<
5	4	7	204.	56.	281.	<
6	4	7	35.	-305.	291.	<
7	4	7	1084.	791.	354.	<
8	4	7	102.	100.	417.	<
9	4	7	26.	456.	426.	<
10	4	7	164.	109.	526.	<
11	4	7	12.	31.	558.	<
12	4	7	1123.	882.	655.	<
13	4	7	106.	-159.	634.	<
14	4	7	19.	-1416.	708.	<
15	4	7	19.	-303.	684.	<
16	4	7	423.	-432.	872.	<
17	4	7	455.	-175.	781.	<
18	4	7	263.	-544.	845.	<
19	4	7	7.	-340.	816.	<
20	4	7	21.	-2474.	1005.	<
21	4	7	100.	-370.	1108.	<
22	4	7	428.	-1281.	1694.	<
23	4	7	256.	-2738.	2562.	<
1	5	7	6636.	7950.	395.	o
2	5	7	7717.	7192.	392.	o
3	5	7	6022.	4786.	343.	o
4	5	7	58.	-234.	270.	<

5	5	7	1889.	1106.	312.	o
6	5	7	4846.	2913.	336.	o
7	5	7	194.	469.	355.	<
8	5	7	491.	34.	412.	<
9	5	7	2395.	1752.	437.	o
10	5	7	20062.	17209.	811.	o
11	5	7	23215.	23034.	1035.	o
12	5	7	10771.	10199.	785.	o
13	5	7	17042.	16283.	989.	o
14	5	7	8997.	9970.	909.	o
15	5	7	1756.	2344.	670.	o
16	5	7	612.	644.	825.	<
17	5	7	915.	1310.	798.	<
18	5	7	3323.	4615.	995.	o
19	5	7	1130.	-12.	1003.	<
20	5	7	2144.	2265.	1115.	<
21	5	7	3608.	1198.	1329.	<
22	5	7	7146.	9938.	2645.	o
23	5	7	2915.	280.	1938.	<
0	6	7	343737.	393673.	3618.	o
1	6	7	244371.	258351.	2025.	o
2	6	7	393120.	401690.	2514.	o
3	6	7	194930.	198666.	1655.	o
4	6	7	381390.	410521.	2601.	o
5	6	7	258856.	267141.	2079.	o
6	6	7	314333.	329732.	2305.	o
7	6	7	154208.	148903.	1618.	o
8	6	7	344547.	340908.	2756.	o
9	6	7	225330.	233291.	2627.	o
10	6	7	276725.	287426.	3002.	o
11	6	7	102863.	91466.	1951.	o
12	6	7	205518.	198409.	2923.	o
13	6	7	119172.	120597.	2381.	o
14	6	7	135129.	141323.	2670.	o
15	6	7	47753.	45948.	1739.	o
16	6	7	105909.	112217.	2740.	o
17	6	7	58113.	52292.	1977.	o
18	6	7	82732.	78117.	2534.	o
19	6	7	28838.	28040.	1832.	o
20	6	7	71480.	66578.	2931.	o
21	6	7	40298.	37574.	3482.	o
22	6	7	58032.	61780.	5048.	o
1	7	7	942.	313.	328.	<
2	7	7	33.	173.	299.	<
3	7	7	19.	486.	272.	<
4	7	7	224.	652.	313.	<
5	7	7	4998.	5718.	413.	o
6	7	7	6372.	4583.	383.	o
7	7	7	4237.	4612.	427.	o
8	7	7	2935.	2535.	436.	o
9	7	7	17793.	15643.	832.	o
10	7	7	17051.	14253.	806.	o
11	7	7	4734.	4958.	637.	o
12	7	7	1647.	163.	711.	<
13	7	7	4024.	2902.	712.	o

14	7	7	9417.	10615.	949.	o
15	7	7	4239.	3965.	845.	o
16	7	7	2045.	2562.	868.	<
17	7	7	4507.	2815.	856.	o
18	7	7	7869.	8487.	1162.	o
19	7	7	4172.	5085.	1152.	o
20	7	7	2225.	2125.	1165.	<
21	7	7	1455.	-1390.	2018.	<
22	7	7	4047.	10673.	4957.	<
0	8	7	25.	-426.	513.	<
1	8	7	133.	16.	310.	<
2	8	7	850.	1260.	319.	o
3	8	7	22.	-33.	308.	<
4	8	7	142.	-239.	321.	<
5	8	7	468.	356.	336.	<
6	8	7	52.	10.	366.	<
7	8	7	42.	543.	346.	<
8	8	7	23.	-459.	472.	<
9	8	7	639.	-136.	551.	<
10	8	7	289.	-397.	514.	<
11	8	7	12.	235.	621.	<
12	8	7	287.	577.	680.	<
13	8	7	29.	-213.	738.	<
14	8	7	49.	-1726.	838.	<
15	8	7	137.	-2308.	955.	<
16	8	7	36.	-626.	826.	<
17	8	7	214.	858.	848.	<
18	8	7	2.	347.	942.	<
19	8	7	100.	732.	1064.	<
20	8	7	3.	-2567.	1660.	<
21	8	7	54.	1096.	2736.	<
1	9	7	690.	97.	412.	<
2	9	7	1853.	1010.	323.	o
3	9	7	2105.	2073.	343.	o
4	9	7	779.	460.	408.	<
5	9	7	2612.	2428.	388.	o
6	9	7	2899.	2378.	427.	o
7	9	7	816.	1018.	411.	<
8	9	7	938.	1883.	487.	o
9	9	7	1876.	2637.	555.	o
10	9	7	9662.	8009.	732.	o
11	9	7	8213.	7858.	817.	o
12	9	7	4398.	3424.	711.	o
13	9	7	4977.	4364.	990.	o
14	9	7	7730.	6491.	1026.	o
15	9	7	2114.	3339.	978.	o
16	9	7	1777.	2030.	1043.	<
17	9	7	2377.	3748.	1079.	o
18	9	7	5584.	9109.	1339.	o
19	9	7	1383.	315.	1532.	<
20	9	7	2199.	2880.	2232.	<
0	10	7	145721.	144197.	2739.	o
1	10	7	106051.	101595.	1578.	o
2	10	7	202666.	205472.	2087.	o
3	10	7	157720.	166782.	1975.	o

4	10	7	295695.	318398.	2727.	o
5	10	7	183773.	183412.	2168.	o
6	10	7	286398.	296514.	3002.	o
7	10	7	140072.	141541.	2126.	o
8	10	7	239324.	243002.	3162.	o
9	10	7	131050.	126704.	2729.	o
10	10	7	137575.	125289.	2443.	o
11	10	7	57570.	51209.	2065.	o
12	10	7	118399.	120112.	3048.	o
13	10	7	89326.	83998.	2846.	o
14	10	7	111062.	115556.	3421.	o
15	10	7	41654.	41386.	2197.	o
16	10	7	83692.	83548.	3140.	o
17	10	7	52477.	51079.	2557.	o
18	10	7	68088.	63486.	3637.	o
19	10	7	25046.	11194.	3167.	o
1	11	7	2285.	2248.	487.	o
2	11	7	4698.	4394.	498.	o
3	11	7	5897.	5933.	557.	o
4	11	7	2085.	2314.	435.	o
5	11	7	2756.	3206.	481.	o
6	11	7	2809.	2609.	453.	o
7	11	7	52.	148.	488.	<
8	11	7	110.	-336.	533.	<
9	11	7	3481.	4498.	837.	o
10	11	7	10468.	9873.	1215.	o
11	11	7	6073.	5566.	1092.	o
12	11	7	6482.	6002.	1094.	o
13	11	7	6791.	6458.	1117.	o
14	11	7	9382.	7344.	1231.	o
15	11	7	3728.	3979.	1121.	o
16	11	7	1911.	2121.	1277.	<
17	11	7	1502.	-1533.	1449.	<
18	11	7	5369.	3218.	1924.	<
0	12	7	520.	533.	724.	<
1	12	7	195.	48.	560.	<
2	12	7	25.	-518.	551.	<
3	12	7	448.	842.	471.	<
4	12	7	13.	-154.	459.	<
5	12	7	560.	547.	484.	<
6	12	7	412.	338.	500.	<
7	12	7	99.	561.	527.	<
8	12	7	36.	894.	732.	<
9	12	7	195.	1029.	824.	<
10	12	7	284.	508.	818.	<
11	12	7	140.	-1562.	889.	<
12	12	7	70.	-843.	1147.	<
13	12	7	423.	700.	1078.	<
14	12	7	7.	2335.	1183.	<
15	12	7	47.	1557.	1207.	<
16	12	7	159.	-2131.	1483.	<
17	12	7	42.	-1640.	1752.	<
18	12	7	145.	3929.	2866.	<
1	13	7	128.	24.	573.	<
2	13	7	55.	295.	544.	<

3	13	7	21.	968.	667.	<
4	13	7	68.	-119.	650.	<
5	13	7	1179.	1193.	677.	<
6	13	7	4550.	4374.	709.	o
7	13	7	4919.	4749.	882.	o
8	13	7	3008.	1363.	829.	<
9	13	7	4076.	5020.	955.	o
10	13	7	4898.	3091.	918.	o
11	13	7	694.	163.	964.	<
12	13	7	932.	1296.	994.	<
13	13	7	870.	-1792.	1191.	<
14	13	7	4240.	2259.	1211.	<
15	13	7	3594.	70.	1872.	<
16	13	7	3204.	7997.	2297.	o
17	13	7	3496.	-951.	2700.	<
0	14	7	152789.	160497.	4343.	o
1	14	7	98179.	98946.	2614.	o
2	14	7	157650.	159676.	3261.	o
3	14	7	95423.	101704.	2723.	o
4	14	7	152080.	159582.	3428.	o
5	14	7	93762.	91524.	2657.	o
6	14	7	152604.	154400.	3632.	o
7	14	7	88101.	87080.	2970.	o
8	14	7	166901.	163838.	3911.	o
9	14	7	100376.	95196.	3270.	o
10	14	7	124555.	110095.	3736.	o
11	14	7	54706.	47294.	2581.	o
12	14	7	95867.	88679.	3493.	o
13	14	7	56129.	53464.	3582.	o
14	14	7	68442.	62015.	9977.	o
15	14	7	26727.	22730.	6915.	o
1	15	7	1538.	543.	710.	<
2	15	7	2075.	1687.	738.	<
3	15	7	2129.	740.	853.	<
4	15	7	1281.	1377.	953.	<
5	15	7	1562.	2126.	773.	<
6	15	7	968.	206.	844.	<
7	15	7	118.	-1090.	949.	<
8	15	7	154.	1401.	943.	<
9	15	7	991.	3224.	1194.	<
10	15	7	5024.	4798.	1266.	o
11	15	7	5968.	2334.	1695.	<
12	15	7	4313.	2648.	2176.	<
13	15	7	5757.	-164.	3288.	<
14	15	7	6571.	12273.	6118.	<
0	16	7	14.	920.	1274.	<
1	16	7	178.	-408.	942.	<
2	16	7	121.	298.	761.	<
3	16	7	324.	1605.	903.	<
4	16	7	18.	-748.	938.	<
5	16	7	151.	855.	1067.	<
6	16	7	318.	-131.	1014.	<
7	16	7	139.	-724.	993.	<
8	16	7	81.	584.	1358.	<
9	16	7	199.	435.	1528.	<

10	16	7	7.	0.	1290.	<
11	16	7	110.	-2867.	2186.	<
12	16	7	19.	-2010.	3379.	<
1	17	7	286.	5.	1071.	<
2	17	7	30.	-1053.	1191.	<
3	17	7	28.	1672.	1238.	<
4	17	7	31.	1803.	1415.	<
5	17	7	527.	-730.	1291.	<
6	17	7	1474.	4478.	1450.	o
7	17	7	1995.	794.	1477.	<
8	17	7	1519.	2018.	1603.	<
9	17	7	2612.	825.	1652.	<
0	18	7	133433.	129141.	8633.	o
1	18	7	80122.	77486.	4878.	o
2	18	7	110581.	104179.	7887.	o
3	18	7	53905.	48816.	5330.	o
0	0	8	141355.	156014.	2961.	o
1	0	8	803441.	950246.	4971.	o
2	0	8	71619.	67981.	1703.	o
3	0	8	621753.	734266.	4592.	o
4	0	8	125375.	123532.	2111.	o
5	0	8	679376.	734010.	5747.	o
6	0	8	55032.	53541.	1779.	o
7	0	8	384815.	453362.	4762.	o
8	0	8	82014.	81824.	2445.	o
9	0	8	356789.	344441.	4506.	o
10	0	8	20872.	16392.	1072.	o
11	0	8	261078.	293797.	4798.	o
12	0	8	54546.	53234.	2372.	o
13	0	8	391485.	412890.	7116.	o
14	0	8	41070.	35250.	2259.	o
15	0	8	224230.	240393.	6232.	o
16	0	8	27887.	25256.	2374.	o
17	0	8	175941.	193181.	6016.	o
18	0	8	20905.	22368.	2269.	o
19	0	8	94072.	96617.	5378.	o
20	0	8	11217.	14101.	2451.	o
21	0	8	82192.	82931.	4674.	o
22	0	8	10630.	10443.	2570.	o
23	0	8	59445.	59164.	6153.	o
1	1	8	8920.	8847.	443.	o
2	1	8	21117.	21916.	584.	o
3	1	8	167.	-178.	302.	<
4	1	8	1854.	845.	332.	<
5	1	8	10872.	8743.	548.	o
6	1	8	24240.	26300.	807.	o
7	1	8	1014.	2234.	503.	o
8	1	8	10695.	9632.	674.	o
9	1	8	13414.	13132.	789.	o
10	1	8	28587.	30371.	987.	o
11	1	8	4885.	4238.	607.	o
12	1	8	17962.	19507.	1009.	o
13	1	8	5317.	4954.	854.	o
14	1	8	16521.	17294.	1249.	o
15	1	8	3146.	3363.	885.	o

16	1	8	7679.	7249.	1070.	o
17	1	8	3241.	2062.	884.	<
18	1	8	16097.	16260.	1456.	o
19	1	8	5683.	5784.	1253.	o
20	1	8	11687.	13452.	1645.	o
21	1	8	4313.	5099.	1290.	o
22	1	8	10290.	12765.	2129.	o
23	1	8	2769.	3354.	1792.	<
0	2	8	81.	753.	419.	<
1	2	8	131.	415.	285.	<
2	2	8	450.	211.	279.	<
3	2	8	51.	135.	297.	<
4	2	8	290.	223.	314.	<
5	2	8	43.	-270.	320.	<
6	2	8	279.	-7.	347.	<
7	2	8	111.	1017.	393.	<
8	2	8	13.	-631.	518.	<
9	2	8	239.	-398.	482.	<
10	2	8	220.	105.	497.	<
11	2	8	155.	-89.	583.	<
12	2	8	87.	244.	589.	<
13	2	8	373.	-146.	643.	<
14	2	8	28.	-240.	809.	<
15	2	8	0.	-237.	878.	<
16	2	8	30.	158.	869.	<
17	2	8	6.	-1717.	935.	<
18	2	8	9.	812.	794.	<
19	2	8	3.	1215.	1056.	<
20	2	8	6.	1680.	1073.	<
21	2	8	133.	1866.	1148.	<
22	2	8	77.	-549.	1983.	<
23	2	8	300.	-142.	3627.	<
1	3	8	1774.	1578.	285.	o
2	3	8	5035.	3731.	333.	o
3	3	8	3464.	2997.	333.	o
4	3	8	2155.	1290.	312.	o
5	3	8	5347.	5252.	394.	o
6	3	8	23647.	23658.	702.	o
7	3	8	6934.	5914.	419.	o
8	3	8	41932.	39038.	1017.	o
9	3	8	17378.	14456.	841.	o
10	3	8	35551.	34005.	1387.	o
11	3	8	1915.	1310.	606.	<
12	3	8	1110.	71.	645.	<
13	3	8	1420.	3268.	721.	o
14	3	8	12952.	15504.	1232.	o
15	3	8	3227.	3532.	871.	o
16	3	8	11738.	12006.	1203.	o
17	3	8	4439.	6231.	992.	o
18	3	8	23087.	22494.	1539.	o
19	3	8	5901.	3062.	1091.	<
20	3	8	10641.	11973.	1553.	o
21	3	8	3109.	3908.	1289.	o
22	3	8	6139.	5243.	1921.	<
23	3	8	1764.	-504.	2610.	<

0	4	8	145746.	157827.	2087.	o
1	4	8	543657.	639761.	2873.	o
2	4	8	30320.	28717.	652.	o
3	4	8	355984.	387963.	2400.	o
4	4	8	61783.	56776.	918.	o
5	4	8	176136.	201345.	1801.	o
6	4	8	8299.	8172.	444.	o
7	4	8	143762.	143257.	1634.	o
8	4	8	34022.	30651.	832.	o
9	4	8	255562.	281201.	2822.	o
10	4	8	27877.	28880.	1146.	o
11	4	8	216539.	224624.	4095.	o
12	4	8	36841.	30366.	1385.	o
13	4	8	263344.	283170.	4429.	o
14	4	8	24089.	22505.	1458.	o
15	4	8	126918.	141476.	3146.	o
16	4	8	17020.	18528.	1347.	o
17	4	8	116394.	136399.	3484.	o
18	4	8	12095.	11895.	1304.	o
19	4	8	65093.	75807.	3219.	o
20	4	8	7817.	10979.	1474.	o
21	4	8	65079.	80967.	4308.	o
22	4	8	7939.	10065.	2884.	o
23	4	8	42264.	46307.	5412.	o
1	5	8	4310.	3643.	341.	o
2	5	8	12074.	10392.	451.	o
3	5	8	17.	119.	298.	<
4	5	8	2134.	3005.	336.	o
5	5	8	6874.	6180.	398.	o
6	5	8	20856.	17582.	615.	o
7	5	8	1430.	1799.	366.	o
8	5	8	9890.	11214.	574.	o
9	5	8	10496.	9296.	651.	o
10	5	8	42080.	40087.	1289.	o
11	5	8	9142.	7698.	765.	o
12	5	8	41234.	39945.	1454.	o
13	5	8	10870.	11753.	977.	o
14	5	8	20572.	19327.	1218.	o
15	5	8	1377.	2188.	881.	<
16	5	8	6297.	6808.	1059.	o
17	5	8	2994.	3372.	973.	o
18	5	8	14795.	14152.	1400.	o
19	5	8	4933.	6074.	1262.	o
20	5	8	13214.	9439.	1523.	o
21	5	8	4998.	2903.	1599.	<
22	5	8	20061.	17193.	3495.	o
0	6	8	1996.	1825.	439.	o
1	6	8	46.	289.	292.	<
2	6	8	29.	-171.	296.	<
3	6	8	66.	-413.	298.	<
4	6	8	64.	149.	294.	<
5	6	8	19.	356.	308.	<
6	6	8	84.	673.	336.	<
7	6	8	33.	930.	357.	<
8	6	8	10.	432.	402.	<

9	6	8	1068.	923.	457.	<
10	6	8	21.	-825.	495.	<
11	6	8	140.	780.	679.	<
12	6	8	791.	769.	689.	<
13	6	8	237.	-641.	705.	<
14	6	8	39.	-56.	662.	<
15	6	8	382.	950.	858.	<
16	6	8	5.	-1077.	898.	<
17	6	8	176.	-61.	952.	<
18	6	8	5.	1544.	1080.	<
19	6	8	228.	-1477.	1112.	<
20	6	8	13.	-783.	1219.	<
21	6	8	62.	-1561.	1830.	<
1	7	8	889.	791.	328.	<
2	7	8	6228.	6300.	431.	o
3	7	8	1783.	1043.	299.	o
4	7	8	3815.	4417.	368.	o
5	7	8	7505.	7487.	479.	o
6	7	8	24407.	22755.	707.	o
7	7	8	2968.	1779.	376.	o
8	7	8	31954.	32421.	977.	o
9	7	8	14858.	13630.	760.	o
10	7	8	33766.	30527.	1156.	o
11	7	8	3188.	3555.	650.	o
12	7	8	4947.	5076.	800.	o
13	7	8	2170.	2442.	783.	o
14	7	8	16990.	16226.	1330.	o
15	7	8	2944.	5512.	1052.	o
16	7	8	15176.	16482.	1418.	o
17	7	8	4540.	3228.	925.	o
18	7	8	21888.	19690.	1633.	o
19	7	8	5163.	6580.	1419.	o
20	7	8	10008.	10688.	3010.	o
21	7	8	2587.	-4857.	3334.	<
0	8	8	99667.	99801.	2199.	o
1	8	8	495069.	570323.	3374.	o
2	8	8	39524.	44421.	1025.	o
3	8	8	240810.	279801.	2218.	o
4	8	8	32517.	31478.	807.	o
5	8	8	121451.	120486.	1662.	o
6	8	8	6655.	4750.	433.	o
7	8	8	134960.	142009.	1967.	o
8	8	8	39625.	44490.	1253.	o
9	8	8	292612.	330188.	3661.	o
10	8	8	34993.	29145.	1147.	o
11	8	8	238627.	247779.	3476.	o
12	8	8	32868.	29884.	1553.	o
13	8	8	172480.	190272.	3756.	o
14	8	8	13493.	11747.	1185.	o
15	8	8	86904.	87783.	2966.	o
16	8	8	13168.	12922.	1411.	o
17	8	8	105508.	113115.	3562.	o
18	8	8	13171.	12213.	1573.	o
19	8	8	78334.	86702.	6111.	o
20	8	8	10274.	9145.	3407.	<

21	8	8	71388.	97992.	10796.	o
1	9	8	4494.	3256.	483.	o
2	9	8	1511.	1276.	356.	o
3	9	8	8.	-12.	344.	<
4	9	8	4547.	5205.	468.	o
5	9	8	5528.	5064.	463.	o
6	9	8	10772.	11140.	646.	o
7	9	8	1532.	1241.	456.	<
8	9	8	10005.	9908.	758.	o
9	9	8	5158.	5787.	611.	o
10	9	8	12621.	12868.	846.	o
11	9	8	2721.	2125.	698.	o
12	9	8	8419.	8017.	958.	o
13	9	8	5240.	5149.	1114.	o
14	9	8	17156.	18400.	1510.	o
15	9	8	2964.	2569.	1085.	<
16	9	8	7322.	9524.	1283.	o
17	9	8	3060.	3471.	1321.	<
18	9	8	10136.	7434.	1475.	o
19	9	8	2635.	1567.	2317.	<
20	9	8	4229.	4293.	2648.	<
0	10	8	1459.	2909.	677.	o
1	10	8	53.	-697.	420.	<
2	10	8	20.	-781.	384.	<
3	10	8	474.	-275.	387.	<
4	10	8	76.	-39.	376.	<
5	10	8	338.	-146.	454.	<
6	10	8	63.	102.	484.	<
7	10	8	23.	260.	489.	<
8	10	8	265.	920.	570.	<
9	10	8	186.	-351.	607.	<
10	10	8	26.	-200.	650.	<
11	10	8	138.	263.	802.	<
12	10	8	245.	1320.	917.	<
13	10	8	152.	-1809.	1013.	<
14	10	8	4.	1104.	1027.	<
15	10	8	254.	1396.	1058.	<
16	10	8	56.	148.	1135.	<
17	10	8	22.	-1138.	1264.	<
18	10	8	30.	2502.	2662.	<
19	10	8	111.	-620.	4105.	<
1	11	8	1215.	587.	436.	<
2	11	8	4072.	3322.	454.	o
3	11	8	170.	1061.	417.	<
4	11	8	4786.	4070.	493.	o
5	11	8	2288.	1934.	452.	o
6	11	8	6505.	5945.	606.	o
7	11	8	1021.	1736.	599.	<
8	11	8	2904.	1837.	618.	<
9	11	8	2362.	2347.	829.	<
10	11	8	10228.	9253.	1247.	o
11	11	8	2476.	728.	884.	<
12	11	8	8266.	6347.	1100.	o
13	11	8	2996.	-558.	1011.	<
14	11	8	13201.	12880.	1613.	o

15	11	8	2360.	1940.	1157.	<
16	11	8	5635.	4558.	1457.	o
17	11	8	1952.	-4508.	3464.	<
18	11	8	7308.	1767.	2350.	<
0	12	8	74293.	87116.	2922.	o
1	12	8	359524.	410993.	3971.	o
2	12	8	29275.	31819.	1266.	o
3	12	8	202163.	220558.	2945.	o
4	12	8	32007.	33873.	1245.	o
5	12	8	192568.	213134.	2993.	o
6	12	8	18525.	18587.	1009.	o
7	12	8	158196.	166828.	2929.	o
8	12	8	33568.	34213.	1709.	o
9	12	8	238325.	245422.	4801.	o
10	12	8	29466.	27444.	1780.	o
11	12	8	201350.	204341.	4644.	o
12	12	8	27805.	23484.	1780.	o
13	12	8	148033.	142979.	4097.	o
14	12	8	14135.	14967.	1574.	o
15	12	8	98152.	90866.	4839.	o
16	12	8	13530.	13125.	2980.	o
17	12	8	97662.	82948.	6329.	o
1	13	8	467.	-342.	627.	<
2	13	8	45.	-1302.	650.	<
3	13	8	70.	127.	666.	<
4	13	8	1257.	521.	650.	<
5	13	8	3446.	3673.	717.	o
6	13	8	12288.	12745.	1048.	o
7	13	8	2151.	1688.	757.	<
8	13	8	12236.	10525.	1155.	o
9	13	8	5585.	5236.	1005.	o
10	13	8	10206.	9001.	1251.	o
11	13	8	1514.	2189.	1000.	<
12	13	8	3491.	1371.	1007.	<
13	13	8	3012.	3149.	1338.	<
14	13	8	10208.	11000.	2353.	o
15	13	8	2526.	324.	2556.	<
16	13	8	9386.	13306.	3853.	o
0	14	8	576.	236.	903.	<
1	14	8	348.	1485.	731.	<
2	14	8	101.	328.	705.	<
3	14	8	233.	-613.	750.	<
4	14	8	561.	230.	752.	<
5	14	8	48.	-963.	766.	<
6	14	8	15.	-148.	774.	<
7	14	8	39.	1405.	918.	<
8	14	8	526.	725.	777.	<
9	14	8	6.	-702.	1007.	<
10	14	8	134.	589.	975.	<
11	14	8	408.	1558.	1062.	<
12	14	8	51.	2439.	1802.	<
13	14	8	439.	2452.	1992.	<
14	14	8	75.	1447.	3494.	<
15	14	8	44.	-6956.	5506.	<
1	15	8	672.	277.	783.	<

2	15	8	3460.	5230.	914.	o
3	15	8	232.	-576.	822.	<
4	15	8	1822.	2333.	860.	<
5	15	8	505.	323.	968.	<
6	15	8	2212.	3762.	980.	o
7	15	8	599.	3025.	964.	o
8	15	8	2754.	4481.	1106.	o
9	15	8	1704.	3342.	1162.	<
10	15	8	9347.	7342.	1831.	o
11	15	8	2273.	1343.	2101.	<
12	15	8	9839.	8451.	4454.	<
0	16	8	25822.	30216.	2819.	o
1	16	8	136705.	141008.	3942.	o
2	16	8	14452.	15163.	1427.	o
3	16	8	120385.	120226.	3576.	o
4	16	8	19701.	19127.	1614.	o
5	16	8	110353.	106088.	3433.	o
6	16	8	10515.	8178.	1395.	o
7	16	8	80764.	73979.	3727.	o
8	16	8	12742.	7272.	1777.	o
9	16	8	89505.	76566.	5500.	o
10	16	8	11727.	14403.	2701.	o
1	17	8	137.	-1660.	1416.	<
2	17	8	8.	-80.	1289.	<
3	17	8	23.	-500.	1500.	<
4	17	8	860.	3713.	1824.	<
5	17	8	1661.	1128.	2549.	<
6	17	8	4843.	5625.	2146.	<
7	17	8	1238.	3745.	2095.	<
8	17	8	8078.	9586.	2744.	o
0	18	8	241.	-650.	2702.	<
1	18	8	540.	1286.	3325.	<
2	18	8	120.	-2947.	2308.	<
3	18	8	165.	-359.	3118.	<
1	1	9	6225.	6470.	444.	o
2	1	9	5313.	5275.	374.	o
3	1	9	1041.	964.	341.	<
4	1	9	901.	291.	350.	<
5	1	9	2700.	1823.	388.	o
6	1	9	1227.	1359.	393.	o
7	1	9	613.	1177.	399.	<
8	1	9	2501.	3219.	493.	o
9	1	9	1751.	2056.	486.	o
10	1	9	591.	383.	577.	<
11	1	9	255.	-529.	665.	<
12	1	9	483.	219.	604.	<
13	1	9	3399.	3235.	815.	o
14	1	9	2969.	2794.	799.	o
15	1	9	1022.	1399.	819.	<
16	1	9	495.	627.	849.	<
17	1	9	1434.	449.	967.	<
18	1	9	17.	-907.	1167.	<
19	1	9	1634.	1398.	1384.	<
20	1	9	1086.	63.	1071.	<
21	1	9	730.	693.	1233.	<

22	1	9	651.	5326.	1839.	<
23	1	9	1946.	4254.	1942.	<
0	2	9	16268.	17987.	930.	o
1	2	9	32140.	34162.	839.	o
2	2	9	3352.	3670.	339.	o
3	2	9	68398.	75169.	1204.	o
4	2	9	10320.	9942.	557.	o
5	2	9	17659.	19485.	715.	o
6	2	9	2333.	2082.	418.	o
7	2	9	5739.	4096.	459.	o
8	2	9	2534.	1381.	419.	o
9	2	9	4452.	4678.	585.	o
10	2	9	1344.	1414.	574.	<
11	2	9	3779.	1574.	629.	<
12	2	9	1158.	651.	662.	<
13	2	9	19602.	18324.	1162.	o
14	2	9	6.	913.	770.	<
15	2	9	17035.	18000.	1391.	o
16	2	9	13.	1033.	944.	<
17	2	9	3150.	3290.	948.	o
18	2	9	13.	1545.	1036.	<
19	2	9	715.	-1304.	1015.	<
20	2	9	741.	2084.	1125.	<
21	2	9	492.	-1292.	1166.	<
22	2	9	1.	3414.	1543.	<
23	2	9	2446.	3764.	3839.	<
1	3	9	7237.	7368.	470.	o
2	3	9	17556.	15860.	614.	o
3	3	9	904.	401.	303.	<
4	3	9	18.	-63.	323.	<
5	3	9	2507.	2228.	366.	o
6	3	9	2572.	2576.	417.	o
7	3	9	1457.	773.	354.	<
8	3	9	11692.	11020.	600.	o
9	3	9	1745.	2200.	498.	o
10	3	9	18.	166.	476.	<
11	3	9	716.	638.	578.	<
12	3	9	3791.	4787.	795.	o
13	3	9	3796.	4667.	884.	o
14	3	9	11.	-1553.	749.	<
15	3	9	1003.	852.	851.	<
16	3	9	324.	495.	879.	<
17	3	9	960.	1557.	855.	<
18	3	9	168.	142.	1070.	<
19	3	9	1577.	1586.	1148.	<
20	3	9	1814.	-981.	1126.	<
21	3	9	1246.	990.	1208.	<
22	3	9	4179.	4726.	2897.	<
0	4	9	268.	672.	397.	<
1	4	9	237.	103.	301.	<
2	4	9	1081.	2267.	365.	o
3	4	9	0.	-85.	339.	<
4	4	9	54.	-385.	330.	<
5	4	9	0.	638.	316.	<
6	4	9	4.	658.	331.	<

7	4	9	53.	443.	356.	<
8	4	9	697.	846.	393.	<
9	4	9	56.	116.	469.	<
10	4	9	224.	175.	561.	<
11	4	9	404.	169.	619.	<
12	4	9	543.	848.	703.	<
13	4	9	1166.	1398.	787.	<
14	4	9	3.	1351.	740.	<
15	4	9	74.	1475.	771.	<
16	4	9	3.	640.	824.	<
17	4	9	374.	1974.	941.	<
18	4	9	10.	-366.	1091.	<
19	4	9	7.	1579.	1166.	<
20	4	9	3.	795.	1104.	<
21	4	9	634.	1632.	1776.	<
22	4	9	19.	-5423.	2584.	<
1	5	9	3921.	3604.	358.	o
2	5	9	1967.	1044.	285.	o
3	5	9	1903.	1208.	325.	o
4	5	9	541.	440.	329.	<
5	5	9	2475.	1345.	312.	o
6	5	9	50.	603.	337.	<
7	5	9	339.	829.	352.	<
8	5	9	565.	907.	374.	<
9	5	9	618.	407.	455.	<
10	5	9	1370.	892.	544.	<
11	5	9	119.	-913.	619.	<
12	5	9	4109.	3425.	706.	o
13	5	9	1045.	654.	685.	<
14	5	9	325.	-570.	825.	<
15	5	9	1241.	660.	859.	<
16	5	9	1666.	1307.	834.	<
17	5	9	1031.	1889.	926.	<
18	5	9	1096.	3890.	1165.	o
19	5	9	1072.	-19.	1136.	<
20	5	9	451.	1872.	1473.	<
21	5	9	417.	-91.	2069.	<
22	5	9	38.	4099.	2207.	<
0	6	9	10023.	11445.	733.	o
1	6	9	18271.	18822.	599.	o
2	6	9	3202.	2646.	345.	o
3	6	9	2338.	1976.	333.	o
4	6	9	3218.	3811.	375.	o
5	6	9	954.	1585.	318.	o
6	6	9	3113.	4543.	393.	o
7	6	9	3976.	5308.	437.	o
8	6	9	1015.	1216.	412.	<
9	6	9	3758.	2877.	482.	o
10	6	9	688.	1111.	516.	<
11	6	9	2653.	2189.	638.	o
12	6	9	111.	-192.	673.	<
13	6	9	692.	1499.	642.	<
14	6	9	433.	-554.	759.	<
15	6	9	428.	132.	1032.	<
16	6	9	54.	-618.	961.	<

17	6	9	1855.	-450.	971.	<
18	6	9	108.	-1052.	1094.	<
19	6	9	3431.	7007.	1375.	o
20	6	9	693.	774.	1720.	<
21	6	9	804.	1870.	3154.	<
1	7	9	4366.	2944.	355.	o
2	7	9	8505.	8642.	495.	o
3	7	9	561.	682.	346.	<
4	7	9	1246.	1745.	338.	o
5	7	9	2154.	2190.	361.	o
6	7	9	2666.	3183.	412.	o
7	7	9	890.	1250.	404.	o
8	7	9	7443.	6234.	498.	o
9	7	9	1072.	1155.	490.	<
10	7	9	1579.	2122.	586.	o
11	7	9	344.	677.	663.	<
12	7	9	1700.	1871.	761.	<
13	7	9	2873.	2648.	798.	o
14	7	9	1111.	2623.	987.	<
15	7	9	1051.	1362.	931.	<
16	7	9	90.	235.	988.	<
17	7	9	878.	602.	1068.	<
18	7	9	122.	622.	1080.	<
19	7	9	927.	639.	1464.	<
20	7	9	118.	-3760.	2602.	<
21	7	9	765.	-936.	2870.	<
0	8	9	1011.	881.	463.	<
1	8	9	10.	353.	366.	<
2	8	9	140.	-566.	379.	<
3	8	9	303.	327.	361.	<
4	8	9	1228.	1054.	407.	<
5	8	9	774.	1058.	367.	<
6	8	9	580.	-260.	417.	<
7	8	9	474.	737.	403.	<
8	8	9	1060.	1333.	475.	<
9	8	9	21.	531.	512.	<
10	8	9	202.	673.	609.	<
11	8	9	21.	609.	673.	<
12	8	9	350.	1069.	761.	<
13	8	9	0.	-155.	847.	<
14	8	9	153.	1143.	938.	<
15	8	9	268.	-296.	958.	<
16	8	9	171.	1017.	985.	<
17	8	9	67.	-1421.	1105.	<
18	8	9	224.	-1633.	1369.	<
19	8	9	323.	-433.	2058.	<
20	8	9	186.	938.	2143.	<
21	8	9	7.	4319.	3412.	<
1	9	9	278.	852.	381.	<
2	9	9	50.	26.	357.	<
3	9	9	135.	-483.	398.	<
4	9	9	96.	-108.	386.	<
5	9	9	1494.	2035.	450.	o
6	9	9	326.	-128.	419.	<
7	9	9	405.	1059.	438.	<

8	9	9	8.	575.	513.	<
9	9	9	1406.	1012.	483.	<
10	9	9	604.	906.	640.	<
11	9	9	119.	-1274.	680.	<
12	9	9	46.	-155.	794.	<
13	9	9	1276.	1090.	986.	<
14	9	9	261.	-312.	1024.	<
15	9	9	1196.	1564.	1107.	<
16	9	9	63.	-303.	1191.	<
17	9	9	781.	587.	1149.	<
18	9	9	8.	1638.	1640.	<
19	9	9	1426.	-1688.	2985.	<
0	10	9	6369.	10287.	1044.	o
1	10	9	80618.	98548.	1747.	o
2	10	9	182.	712.	411.	<
3	10	9	6961.	6294.	503.	o
4	10	9	2815.	2350.	461.	o
5	10	9	1151.	1568.	449.	o
6	10	9	980.	1166.	459.	<
7	10	9	1955.	1935.	529.	o
8	10	9	1865.	2397.	562.	o
9	10	9	20897.	20898.	1175.	o
10	10	9	13.	-725.	788.	<
11	10	9	27874.	30040.	1860.	o
12	10	9	275.	2413.	964.	<
13	10	9	2790.	1100.	953.	<
14	10	9	12.	451.	997.	<
15	10	9	1215.	1267.	1192.	<
16	10	9	11.	-160.	1250.	<
17	10	9	2511.	1991.	2632.	<
18	10	9	9.	-633.	2187.	<
19	10	9	4528.	5303.	3667.	<
1	11	9	934.	825.	418.	<
2	11	9	883.	993.	438.	<
3	11	9	428.	133.	411.	<
4	11	9	1328.	1773.	517.	o
5	11	9	1793.	1898.	449.	o
6	11	9	2.	1359.	487.	<
7	11	9	188.	68.	532.	<
8	11	9	108.	50.	838.	<
9	11	9	1602.	2096.	831.	<
10	11	9	803.	-629.	807.	<
11	11	9	318.	-826.	856.	<
12	11	9	311.	1993.	1016.	<
13	11	9	1970.	2109.	1147.	<
14	11	9	44.	-85.	1365.	<
15	11	9	1286.	2010.	1396.	<
16	11	9	18.	-1180.	2402.	<
17	11	9	1182.	221.	3533.	<
18	11	9	36.	1380.	4537.	<
0	12	9	1525.	2230.	660.	o
1	12	9	138.	-349.	464.	<
2	12	9	606.	1055.	525.	<
3	12	9	277.	590.	616.	<
4	12	9	1256.	639.	517.	<

5	12	9	18.	-170.	581.	<
6	12	9	509.	-288.	664.	<
7	12	9	0.	226.	687.	<
8	12	9	1420.	1979.	753.	<
9	12	9	97.	783.	879.	<
10	12	9	548.	473.	946.	<
11	12	9	15.	552.	909.	<
12	12	9	446.	3059.	1065.	<
13	12	9	183.	991.	1147.	<
14	12	9	125.	1875.	1202.	<
15	12	9	52.	2202.	2097.	<
16	12	9	352.	4266.	2515.	<
17	12	9	146.	-866.	2938.	<
1	13	9	551.	673.	620.	<
2	13	9	1999.	1633.	650.	<
3	13	9	2.	1378.	720.	<
4	13	9	449.	-179.	754.	<
5	13	9	432.	1001.	674.	<
6	13	9	2217.	3123.	813.	o
7	13	9	80.	-140.	707.	<
8	13	9	3639.	3286.	893.	o
9	13	9	364.	225.	1154.	<
10	13	9	68.	60.	1040.	<
11	13	9	224.	-443.	1123.	<
12	13	9	1621.	2221.	1361.	<
13	13	9	836.	3148.	2129.	<
14	13	9	30.	2281.	2797.	<
15	13	9	629.	-3504.	2348.	<
16	13	9	577.	6177.	3863.	<
0	14	9	1781.	710.	996.	<
1	14	9	16942.	17337.	1111.	o
2	14	9	63.	-281.	679.	<
3	14	9	7945.	8237.	927.	o
4	14	9	1583.	1522.	826.	<
5	14	9	5757.	6010.	902.	o
6	14	9	89.	1052.	730.	<
7	14	9	2803.	1765.	876.	<
8	14	9	566.	1944.	921.	<
9	14	9	4348.	3524.	976.	o
10	14	9	128.	-1415.	1107.	<
11	14	9	6506.	6109.	1513.	o
12	14	9	173.	1473.	1788.	<
1	15	9	381.	2017.	852.	<
2	15	9	408.	-755.	792.	<
3	15	9	91.	302.	941.	<
4	15	9	244.	1270.	915.	<
5	15	9	727.	44.	904.	<
6	15	9	13.	812.	924.	<
7	15	9	69.	537.	1092.	<
8	15	9	111.	49.	1033.	<
9	15	9	1118.	1515.	1758.	<
10	15	9	82.	-1229.	1520.	<
11	15	9	274.	-5602.	2536.	<
0	16	9	1539.	2831.	1868.	<
1	16	9	38.	-2348.	1265.	<

2	16	9	512.	-1382.	1112.	<
3	16	9	61.	503.	1114.	<
4	16	9	1071.	233.	963.	<
5	16	9	9.	656.	1213.	<
6	16	9	606.	151.	1416.	<
7	16	9	4.	271.	1823.	<
8	16	9	1011.	206.	2167.	<
9	16	9	33.	359.	2484.	<
1	17	9	220.	466.	1407.	<
2	17	9	1572.	1028.	1327.	<
3	17	9	12.	1077.	1450.	<
4	17	9	255.	-1235.	1664.	<
5	17	9	161.	1680.	2733.	<
6	17	9	315.	2780.	2106.	<
7	17	9	11.	-1019.	2222.	<
8	17	9	858.	3403.	3230.	<
0	18	9	610.	-2005.	3265.	<
1	18	9	1715.	-5646.	3966.	<
2	18	9	54.	-5179.	3173.	<
0	0	10	939173.	968163.	8613.	o
1	0	10	918706.	976161.	6824.	o
2	0	10	391454.	410728.	3824.	o
3	0	10	469061.	479470.	4969.	o
4	0	10	375631.	370926.	4805.	o
5	0	10	330227.	345405.	4301.	o
6	0	10	211642.	211419.	3063.	o
7	0	10	293358.	274498.	3160.	o
8	0	10	332894.	321816.	4041.	o
9	0	10	526437.	561137.	6412.	o
10	0	10	364721.	370625.	5734.	o
11	0	10	381839.	367400.	5907.	o
12	0	10	216670.	204869.	4413.	o
13	0	10	197262.	192817.	5901.	o
14	0	10	97323.	83929.	3463.	o
15	0	10	96528.	96320.	4121.	o
16	0	10	87596.	90150.	4892.	o
17	0	10	114025.	109748.	5628.	o
18	0	10	82974.	73646.	4766.	o
19	0	10	86107.	82410.	5159.	o
20	0	10	75790.	74699.	5049.	o
21	0	10	87247.	95028.	7629.	o
22	0	10	54241.	55023.	6194.	o
1	1	10	482.	1019.	323.	o
2	1	10	1733.	1967.	314.	o
3	1	10	3049.	3402.	391.	o
4	1	10	293.	106.	389.	<
5	1	10	2885.	2583.	423.	o
6	1	10	1607.	2197.	401.	o
7	1	10	2143.	2505.	395.	o
8	1	10	780.	341.	392.	<
9	1	10	6904.	6032.	637.	o
10	1	10	4754.	3921.	629.	o
11	1	10	1650.	1271.	659.	<
12	1	10	861.	121.	736.	<
13	1	10	3696.	3788.	994.	o

14	1	10	7063.	4963.	993.	o
15	1	10	3907.	4280.	931.	o
16	1	10	3301.	3915.	1099.	o
17	1	10	5135.	5018.	1182.	o
18	1	10	8106.	5435.	1346.	o
19	1	10	6743.	7423.	1406.	o
20	1	10	2931.	3081.	1154.	<
21	1	10	4941.	5371.	1594.	o
22	1	10	6747.	6045.	1899.	o
0	2	10	4768.	4650.	543.	o
1	2	10	58.	444.	326.	<
2	2	10	1831.	893.	315.	<
3	2	10	32.	165.	336.	<
4	2	10	10.	55.	355.	<
5	2	10	171.	-96.	373.	<
6	2	10	270.	-35.	376.	<
7	2	10	415.	669.	383.	<
8	2	10	72.	720.	459.	<
9	2	10	46.	-169.	495.	<
10	2	10	204.	690.	600.	<
11	2	10	338.	81.	697.	<
12	2	10	129.	368.	823.	<
13	2	10	65.	-55.	873.	<
14	2	10	19.	253.	752.	<
15	2	10	19.	-621.	956.	<
16	2	10	40.	652.	896.	<
17	2	10	37.	-588.	1143.	<
18	2	10	56.	-1696.	1235.	<
19	2	10	48.	-3.	1098.	<
20	2	10	71.	-121.	1313.	<
21	2	10	37.	-640.	1348.	<
22	2	10	42.	-847.	2280.	<
1	3	10	1407.	994.	337.	<
2	3	10	6800.	6259.	465.	o
3	3	10	1159.	1254.	349.	o
4	3	10	99.	1385.	390.	o
5	3	10	4193.	3884.	414.	o
6	3	10	281.	-459.	373.	<
7	3	10	1127.	657.	372.	<
8	3	10	3056.	2114.	401.	o
9	3	10	3866.	3609.	536.	o
10	3	10	2396.	2120.	581.	o
11	3	10	4231.	2654.	680.	o
12	3	10	8422.	6468.	850.	o
13	3	10	10148.	8333.	989.	o
14	3	10	7375.	7231.	966.	o
15	3	10	3090.	3546.	1029.	o
16	3	10	1330.	1414.	1172.	<
17	3	10	2854.	3557.	1177.	o
18	3	10	3885.	6563.	1356.	o
19	3	10	6538.	7882.	1400.	o
20	3	10	2772.	2073.	1290.	<
21	3	10	6529.	7188.	1789.	o
22	3	10	8216.	7283.	4184.	<
0	4	10	487141.	509792.	4612.	o

1	4	10	532111.	546491.	3217.	o
2	4	10	309422.	314179.	2783.	o
3	4	10	360800.	369306.	2872.	o
4	4	10	318212.	319906.	2737.	o
5	4	10	370263.	378964.	2681.	o
6	4	10	222230.	213146.	2105.	o
7	4	10	297440.	295585.	2533.	o
8	4	10	300188.	300554.	2852.	o
9	4	10	360949.	354335.	3343.	o
10	4	10	207676.	195374.	2821.	o
11	4	10	229269.	222408.	2892.	o
12	4	10	176867.	173172.	2942.	o
13	4	10	160608.	151470.	3049.	o
14	4	10	94170.	87818.	2638.	o
15	4	10	89702.	88906.	2941.	o
16	4	10	78339.	74351.	3060.	o
17	4	10	98714.	96894.	3534.	o
18	4	10	77154.	74041.	3203.	o
19	4	10	71902.	69904.	3213.	o
20	4	10	61896.	58256.	3687.	o
21	4	10	66948.	62029.	6179.	o
22	4	10	48689.	41151.	7101.	o
1	5	10	420.	536.	353.	<
2	5	10	1199.	968.	319.	o
3	5	10	434.	758.	356.	<
4	5	10	254.	111.	319.	<
5	5	10	4566.	5260.	430.	o
6	5	10	1577.	1167.	340.	o
7	5	10	3179.	2171.	393.	o
8	5	10	1499.	1411.	392.	o
9	5	10	11545.	10943.	695.	o
10	5	10	3044.	2570.	548.	o
11	5	10	469.	394.	542.	<
12	5	10	418.	484.	587.	<
13	5	10	4130.	4222.	871.	o
14	5	10	7338.	7414.	955.	o
15	5	10	8006.	9844.	1242.	o
16	5	10	6742.	5065.	1097.	o
17	5	10	9185.	6449.	1156.	o
18	5	10	10862.	10685.	1456.	o
19	5	10	10324.	11825.	1687.	o
20	5	10	3621.	3019.	1593.	<
21	5	10	5342.	7450.	3328.	<
0	6	10	316.	448.	470.	<
1	6	10	363.	807.	330.	<
2	6	10	1.	-184.	338.	<
3	6	10	328.	-157.	317.	<
4	6	10	14.	109.	355.	<
5	6	10	282.	307.	377.	<
6	6	10	128.	-274.	370.	<
7	6	10	53.	-333.	374.	<
8	6	10	77.	341.	408.	<
9	6	10	488.	394.	431.	<
10	6	10	2.	-104.	504.	<
11	6	10	1032.	842.	576.	<

12	6	10	168.	-40.	602.	<
13	6	10	131.	538.	773.	<
14	6	10	34.	574.	887.	<
15	6	10	6.	-1869.	1013.	<
16	6	10	186.	-87.	940.	<
17	6	10	122.	2801.	1119.	<
18	6	10	40.	-309.	1239.	<
19	6	10	12.	-720.	1278.	<
20	6	10	0.	-7911.	3261.	<
1	7	10	6278.	5033.	418.	o
2	7	10	10019.	9955.	525.	o
3	7	10	491.	1400.	379.	o
4	7	10	89.	12.	438.	<
5	7	10	1373.	337.	390.	<
6	7	10	130.	260.	379.	<
7	7	10	179.	-7.	389.	<
8	7	10	205.	156.	426.	<
9	7	10	2865.	2613.	539.	o
10	7	10	1593.	1674.	615.	<
11	7	10	6125.	4187.	686.	o
12	7	10	5935.	5958.	769.	o
13	7	10	7342.	6441.	943.	o
14	7	10	6765.	5136.	890.	o
15	7	10	3113.	1575.	885.	<
16	7	10	1866.	665.	1062.	<
17	7	10	4054.	2980.	1172.	<
18	7	10	5429.	7190.	1524.	o
19	7	10	6941.	7533.	2265.	o
20	7	10	4918.	5109.	3447.	<
0	8	10	288049.	312595.	3823.	o
1	8	10	335856.	353771.	2857.	o
2	8	10	245650.	250548.	2529.	o
3	8	10	350782.	369077.	3153.	o
4	8	10	311358.	320532.	3064.	o
5	8	10	355249.	367784.	3490.	o
6	8	10	212958.	215030.	2622.	o
7	8	10	277466.	284820.	2987.	o
8	8	10	221712.	217342.	2607.	o
9	8	10	217990.	202861.	2871.	o
10	8	10	131061.	120873.	2499.	o
11	8	10	155185.	144890.	2908.	o
12	8	10	147381.	142995.	3755.	o
13	8	10	173532.	184629.	4402.	o
14	8	10	107400.	100631.	3128.	o
15	8	10	101106.	91294.	3291.	o
16	8	10	75668.	65834.	3356.	o
17	8	10	87755.	90647.	3958.	o
18	8	10	59156.	61083.	4756.	o
19	8	10	50656.	47021.	7603.	o
20	8	10	42948.	34090.	6291.	o
1	9	10	274.	319.	424.	<
2	9	10	24.	260.	411.	<
3	9	10	11.	-497.	401.	<
4	9	10	175.	830.	424.	<
5	9	10	2306.	1806.	448.	o

6	9	10	209.	1374.	420.	o
7	9	10	101.	21.	443.	<
8	9	10	164.	-614.	484.	<
9	9	10	5404.	4198.	614.	o
10	9	10	5179.	4395.	737.	o
11	9	10	2880.	2868.	945.	o
12	9	10	1015.	-105.	929.	<
13	9	10	3630.	2496.	1047.	<
14	9	10	3067.	3323.	1138.	<
15	9	10	2338.	2851.	1250.	<
16	9	10	1295.	445.	1217.	<
17	9	10	4093.	2944.	1712.	<
18	9	10	5712.	7025.	3298.	<
19	9	10	7278.	8024.	3654.	<
0	10	10	35.	299.	636.	<
1	10	10	82.	518.	508.	<
2	10	10	7.	-40.	400.	<
3	10	10	29.	-508.	444.	<
4	10	10	323.	411.	432.	<
5	10	10	81.	565.	461.	<
6	10	10	0.	202.	500.	<
7	10	10	39.	1170.	524.	<
8	10	10	1.	383.	543.	<
9	10	10	26.	195.	684.	<
10	10	10	36.	-1473.	1018.	<
11	10	10	112.	2417.	1000.	<
12	10	10	16.	-564.	893.	<
13	10	10	1.	-199.	1110.	<
14	10	10	3.	-98.	1185.	<
15	10	10	12.	-261.	1145.	<
16	10	10	11.	-2785.	1306.	<
17	10	10	0.	-532.	2925.	<
18	10	10	47.	988.	3908.	<
1	11	10	214.	-392.	447.	<
2	11	10	767.	508.	464.	<
3	11	10	2078.	1914.	473.	o
4	11	10	546.	374.	522.	<
5	11	10	778.	1245.	512.	<
6	11	10	1197.	1089.	556.	<
7	11	10	1538.	-348.	618.	<
8	11	10	2363.	2612.	847.	o
9	11	10	3644.	3808.	837.	o
10	11	10	3289.	308.	975.	<
11	11	10	2081.	1288.	1057.	<
12	11	10	678.	2604.	1238.	<
13	11	10	937.	1127.	1233.	<
14	11	10	1449.	-1222.	1283.	<
15	11	10	1609.	-988.	1793.	<
16	11	10	2567.	278.	2281.	<
0	12	10	239323.	271090.	4952.	o
1	12	10	277198.	308708.	3947.	o
2	12	10	200128.	210838.	3302.	o
3	12	10	283852.	297783.	3901.	o
4	12	10	226482.	241164.	3706.	o
5	12	10	242453.	255888.	4113.	o

6	12	10	154110.	152596.	3055.	o
7	12	10	202754.	197564.	3512.	o
8	12	10	166427.	158782.	3505.	o
9	12	10	186575.	183062.	4279.	o
10	12	10	124457.	124463.	4268.	o
11	12	10	137475.	132134.	4499.	o
12	12	10	115295.	104020.	4097.	o
13	12	10	141702.	138548.	4827.	o
14	12	10	86782.	87907.	6208.	o
15	12	10	86734.	88472.	10544.	o
16	12	10	62215.	61946.	9259.	o
1	13	10	1707.	1926.	718.	<
2	13	10	1376.	1965.	680.	<
3	13	10	387.	632.	745.	<
4	13	10	155.	301.	775.	<
5	13	10	1255.	1559.	754.	<
6	13	10	83.	953.	739.	<
7	13	10	65.	-741.	785.	<
8	13	10	221.	994.	866.	<
9	13	10	1880.	2713.	1148.	<
10	13	10	3059.	1195.	1162.	<
11	13	10	4224.	3114.	1228.	<
12	13	10	3397.	1024.	1318.	<
13	13	10	4660.	5436.	2962.	<
14	13	10	4038.	7634.	3491.	<
15	13	10	1902.	-1597.	3344.	<
0	14	10	23.	581.	915.	<
1	14	10	1.	-854.	682.	<
2	14	10	57.	-466.	723.	<
3	14	10	95.	758.	786.	<
4	14	10	108.	-359.	766.	<
5	14	10	5.	-11.	838.	<
6	14	10	2.	1908.	876.	<
7	14	10	77.	-717.	978.	<
8	14	10	0.	571.	1035.	<
9	14	10	38.	-572.	1069.	<
10	14	10	24.	2499.	1292.	<
11	14	10	1.	380.	1735.	<
12	14	10	192.	-5174.	3734.	<
1	15	10	96.	367.	857.	<
2	15	10	1130.	3241.	1003.	o
3	15	10	392.	-1072.	997.	<
4	15	10	20.	663.	1078.	<
5	15	10	1051.	565.	1114.	<
6	15	10	1327.	2131.	1234.	<
7	15	10	1341.	607.	1301.	<
8	15	10	1713.	522.	1807.	<
9	15	10	2945.	2719.	2563.	<
10	15	10	1082.	-1207.	2881.	<
0	16	10	160545.	161924.	7060.	o
1	16	10	183139.	184718.	5986.	o
2	16	10	123504.	116504.	4652.	o
3	16	10	147723.	132127.	5441.	o
4	16	10	112836.	106705.	4870.	o
5	16	10	127932.	121823.	6129.	o

6	16	10	91248.	81830.	5721.	o
7	16	10	126836.	120854.	8669.	o
8	16	10	114591.	113921.	11704.	o
1	17	10	841.	1374.	1590.	<
2	17	10	855.	448.	1484.	<
3	17	10	287.	-1231.	1716.	<
4	17	10	229.	-2231.	2074.	<
5	17	10	1206.	-1797.	2487.	<
6	17	10	169.	1675.	2603.	<
1	1	11	4813.	4638.	416.	o
2	1	11	1710.	2135.	348.	o
3	1	11	7998.	9020.	525.	o
4	1	11	8.	-45.	377.	<
5	1	11	14.	194.	393.	<
6	1	11	1476.	1091.	415.	<
7	1	11	1320.	1627.	379.	o
8	1	11	2511.	2274.	456.	o
9	1	11	4185.	4303.	608.	o
10	1	11	8617.	8602.	773.	o
11	1	11	504.	-579.	700.	<
12	1	11	89.	323.	731.	<
13	1	11	430.	559.	862.	<
14	1	11	2596.	3212.	1089.	<
15	1	11	55.	995.	1088.	<
16	1	11	340.	12.	1122.	<
17	1	11	2180.	1876.	1152.	<
18	1	11	6582.	6629.	1255.	o
19	1	11	3350.	3676.	1327.	<
20	1	11	2651.	839.	1297.	<
21	1	11	1081.	1116.	1366.	<
22	1	11	4465.	5586.	3090.	<
0	2	11	153010.	149379.	2470.	o
1	2	11	16605.	18690.	744.	o
2	2	11	252288.	288903.	2463.	o
3	2	11	31822.	33912.	896.	o
4	2	11	279247.	305410.	2640.	o
5	2	11	28371.	26850.	836.	o
6	2	11	182814.	207181.	2174.	o
7	2	11	12606.	11618.	698.	o
8	2	11	157639.	161369.	2303.	o
9	2	11	20786.	19937.	981.	o
10	2	11	70213.	67638.	1823.	o
11	2	11	1191.	896.	634.	<
12	2	11	90846.	93925.	2475.	o
13	2	11	17358.	16919.	1351.	o
14	2	11	76790.	82239.	3211.	o
15	2	11	1959.	53.	1049.	<
16	2	11	38564.	48348.	2636.	o
17	2	11	7039.	6242.	1257.	o
18	2	11	23339.	25938.	2078.	o
19	2	11	378.	-292.	1320.	<
20	2	11	12818.	7044.	1296.	o
21	2	11	3560.	5546.	1724.	o
22	2	11	18812.	25427.	4350.	o
1	3	11	1803.	1355.	351.	o

2	3	11	251.	-427.	317.	<
3	3	11	25.	189.	356.	<
4	3	11	528.	601.	353.	<
5	3	11	1994.	2164.	378.	o
6	3	11	1079.	1530.	388.	o
7	3	11	1411.	618.	436.	<
8	3	11	290.	47.	449.	<
9	3	11	420.	-411.	522.	<
10	3	11	5275.	5521.	770.	o
11	3	11	189.	1482.	731.	<
12	3	11	175.	-711.	759.	<
13	3	11	104.	-847.	836.	<
14	3	11	2895.	5989.	1097.	o
15	3	11	317.	1325.	1108.	<
16	3	11	173.	-278.	1048.	<
17	3	11	141.	-926.	1081.	<
18	3	11	4330.	3871.	1251.	o
19	3	11	388.	2381.	1115.	<
20	3	11	1693.	555.	1296.	<
21	3	11	802.	3205.	2748.	<
22	3	11	4675.	10751.	4969.	<
0	4	11	3.	-392.	449.	<
1	4	11	42.	562.	380.	<
2	4	11	2.	-101.	358.	<
3	4	11	360.	678.	371.	<
4	4	11	214.	42.	380.	<
5	4	11	11.	-534.	371.	<
6	4	11	64.	-336.	397.	<
7	4	11	10.	24.	418.	<
8	4	11	575.	1379.	454.	o
9	4	11	109.	-81.	475.	<
10	4	11	605.	-718.	561.	<
11	4	11	166.	-122.	665.	<
12	4	11	668.	1195.	670.	<
13	4	11	45.	630.	832.	<
14	4	11	26.	-1453.	1036.	<
15	4	11	2.	-181.	1009.	<
16	4	11	833.	-19.	1081.	<
17	4	11	2.	779.	1030.	<
18	4	11	571.	-256.	1105.	<
19	4	11	26.	-1263.	1212.	<
20	4	11	80.	-466.	1452.	<
21	4	11	185.	-2268.	2947.	<
1	5	11	3094.	3408.	357.	o
2	5	11	304.	747.	349.	<
3	5	11	8168.	7897.	473.	o
4	5	11	361.	462.	383.	<
5	5	11	173.	-88.	372.	<
6	5	11	3703.	3803.	439.	o
7	5	11	1495.	1635.	409.	o
8	5	11	1266.	1163.	387.	o
9	5	11	550.	445.	450.	<
10	5	11	2508.	922.	546.	<
11	5	11	4529.	3294.	604.	o
12	5	11	516.	318.	572.	<

13	5	11	3563.	1881.	746.	<
14	5	11	1946.	-145.	1016.	<
15	5	11	1005.	1167.	914.	<
16	5	11	976.	-2062.	1071.	<
17	5	11	2096.	4181.	1120.	o
18	5	11	5017.	7126.	1343.	o
19	5	11	716.	-2692.	1464.	<
20	5	11	1280.	3323.	1930.	<
0	6	11	394359.	447240.	4346.	o
1	6	11	34433.	40250.	981.	o
2	6	11	279610.	307486.	2434.	o
3	6	11	23402.	22300.	697.	o
4	6	11	271072.	297730.	2560.	o
5	6	11	37098.	37810.	938.	o
6	6	11	250839.	284910.	2511.	o
7	6	11	19528.	18720.	733.	o
8	6	11	234078.	239031.	2505.	o
9	6	11	32460.	34875.	1084.	o
10	6	11	178230.	184501.	2828.	o
11	6	11	7434.	5822.	682.	o
12	6	11	102002.	97121.	2531.	o
13	6	11	11459.	9569.	1100.	o
14	6	11	59844.	60144.	2463.	o
15	6	11	1390.	549.	980.	<
16	6	11	45844.	41828.	2312.	o
17	6	11	9823.	9178.	1420.	o
18	6	11	47474.	46723.	2731.	o
19	6	11	2412.	3576.	2474.	<
20	6	11	38126.	40583.	7078.	o
1	7	11	1559.	1829.	358.	o
2	7	11	1644.	2052.	406.	o
3	7	11	65.	747.	394.	<
4	7	11	43.	-451.	375.	<
5	7	11	115.	35.	390.	<
6	7	11	1619.	2235.	436.	o
7	7	11	578.	878.	451.	<
8	7	11	172.	-416.	438.	<
9	7	11	2129.	1763.	485.	o
10	7	11	2030.	1226.	565.	<
11	7	11	43.	-944.	660.	<
12	7	11	574.	365.	830.	<
13	7	11	438.	999.	851.	<
14	7	11	3689.	2824.	920.	o
15	7	11	287.	-431.	885.	<
16	7	11	329.	189.	1116.	<
17	7	11	129.	446.	1323.	<
18	7	11	3809.	-9.	1696.	<
19	7	11	61.	908.	2986.	<
20	7	11	988.	243.	3068.	<
0	8	11	342.	1237.	555.	<
1	8	11	1337.	1888.	420.	o
2	8	11	14.	-122.	397.	<
3	8	11	188.	-62.	423.	<
4	8	11	30.	-705.	444.	<
5	8	11	693.	1499.	457.	o

6	8	11	76.	-200.	487.	<
7	8	11	17.	-366.	428.	<
8	8	11	244.	495.	449.	<
9	8	11	596.	-97.	466.	<
10	8	11	3.	-1064.	574.	<
11	8	11	557.	-429.	711.	<
12	8	11	13.	1359.	868.	<
13	8	11	449.	1155.	980.	<
14	8	11	3.	-1313.	1163.	<
15	8	11	237.	785.	1185.	<
16	8	11	11.	-1771.	1410.	<
17	8	11	203.	587.	1447.	<
18	8	11	40.	-820.	2076.	<
19	8	11	64.	-5887.	4193.	<
1	9	11	883.	966.	438.	<
2	9	11	41.	1039.	457.	<
3	9	11	1754.	2479.	458.	o
4	9	11	78.	-37.	451.	<
5	9	11	101.	765.	461.	<
6	9	11	1270.	446.	465.	<
7	9	11	30.	-177.	470.	<
8	9	11	824.	1304.	544.	<
9	9	11	626.	933.	685.	<
10	9	11	1775.	1353.	855.	<
11	9	11	1406.	488.	820.	<
12	9	11	61.	1363.	1106.	<
13	9	11	134.	1273.	1109.	<
14	9	11	1889.	1626.	1252.	<
15	9	11	270.	1499.	1107.	<
16	9	11	405.	-432.	1386.	<
17	9	11	215.	2821.	2681.	<
18	9	11	3000.	6378.	3538.	<
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2	10	11	144746.	153393.	2295.	o
3	10	11	7243.	7758.	661.	o
4	10	11	88851.	90613.	1802.	o
5	10	11	10154.	8522.	718.	o
6	10	11	71133.	71543.	1870.	o
7	10	11	5325.	3959.	565.	o
8	10	11	99010.	99937.	2479.	o
9	10	11	16857.	18526.	1369.	o
10	10	11	116127.	123937.	3446.	o
11	10	11	6753.	7440.	1273.	o
12	10	11	59840.	53854.	2675.	o
13	10	11	6536.	4017.	1187.	o
14	10	11	22899.	19392.	1829.	o
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2	11	11	69.	-545.	508.	<
3	11	11	3017.	2746.	527.	o
4	11	11	115.	-272.	542.	<
5	11	11	9.	-544.	597.	<
6	11	11	1726.	1655.	684.	<

7	11	11	1241.	1956.	686.	<
8	11	11	681.	-16.	803.	<
9	11	11	291.	-841.	880.	<
10	11	11	1654.	542.	893.	<
11	11	11	196.	-2523.	1167.	<
12	11	11	221.	-336.	1162.	<
13	11	11	41.	-2665.	1391.	<
14	11	11	2742.	6991.	1613.	o
15	11	11	609.	-1609.	4380.	<
16	11	11	608.	578.	2841.	<
0	12	11	188.	-416.	780.	<
1	12	11	932.	578.	636.	<
2	12	11	84.	-700.	663.	<
3	12	11	494.	1990.	726.	<
4	12	11	273.	-631.	688.	<
5	12	11	597.	-352.	691.	<
6	12	11	8.	-1150.	729.	<
7	12	11	667.	621.	780.	<
8	12	11	20.	-879.	880.	<
9	12	11	576.	1181.	1116.	<
10	12	11	136.	252.	1368.	<
11	12	11	239.	1677.	1399.	<
12	12	11	637.	-936.	1228.	<
13	12	11	346.	-580.	1598.	<
14	12	11	389.	2058.	2283.	<
15	12	11	121.	4851.	2849.	<
1	13	11	332.	-997.	719.	<
2	13	11	229.	501.	737.	<
3	13	11	124.	906.	770.	<
4	13	11	12.	-28.	729.	<
5	13	11	11.	-130.	759.	<
6	13	11	369.	-740.	888.	<
7	13	11	844.	3027.	1112.	<
8	13	11	136.	713.	1184.	<
9	13	11	23.	-105.	1174.	<
10	13	11	1629.	1913.	1253.	<
11	13	11	803.	984.	1431.	<
12	13	11	913.	-1793.	2327.	<
13	13	11	1010.	6365.	3827.	<
14	13	11	1419.	1537.	2152.	<
0	14	11	119521.	117057.	4373.	o
1	14	11	13166.	14005.	1273.	o
2	14	11	104604.	116978.	3307.	o
3	14	11	9009.	8313.	1174.	o
4	14	11	103132.	107639.	3567.	o
5	14	11	11789.	13023.	1367.	o
6	14	11	84779.	83179.	3221.	o
7	14	11	6436.	6040.	1192.	o
8	14	11	72839.	70179.	3322.	o
9	14	11	9865.	8214.	1424.	o
10	14	11	62486.	56287.	4825.	o
11	14	11	4018.	1579.	2376.	<
1	15	11	790.	1893.	1037.	<
2	15	11	3.	234.	1071.	<
3	15	11	1334.	-970.	1101.	<

4	15	11	9.	-618.	1057.	<
5	15	11	78.	-843.	1090.	<
6	15	11	972.	651.	1439.	<
7	15	11	210.	1472.	1545.	<
8	15	11	313.	855.	1998.	<
9	15	11	149.	-435.	3311.	<
0	16	11	362.	1717.	2068.	<
1	16	11	810.	405.	1569.	<
2	16	11	219.	-1717.	1517.	<
3	16	11	771.	2974.	1486.	<
4	16	11	174.	189.	1409.	<
5	16	11	826.	2547.	1634.	<
6	16	11	12.	616.	1677.	<
7	16	11	660.	6211.	3486.	<
1	17	11	434.	1138.	1526.	<
2	17	11	135.	-412.	1501.	<
3	17	11	8.	6161.	2553.	<
4	17	11	31.	-5948.	4241.	<
0	0	12	161237.	172056.	3251.	o
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2	0	12	264369.	246515.	3048.	o
3	0	12	17514.	20235.	892.	o
4	0	12	447966.	514767.	4893.	o
5	0	12	26504.	21972.	1089.	o
6	0	12	418698.	467855.	4763.	o
7	0	12	12988.	14401.	1082.	o
8	0	12	398842.	427319.	5317.	o
9	0	12	24859.	25111.	1437.	o
10	0	12	182912.	186834.	3691.	o
11	0	12	5767.	3797.	939.	o
12	0	12	207223.	217265.	5071.	o
13	0	12	22963.	24924.	2406.	o
14	0	12	192497.	237379.	7021.	o
15	0	12	4515.	5693.	1590.	o
16	0	12	153510.	184273.	7251.	o
17	0	12	9746.	10680.	2277.	o
18	0	12	125571.	149928.	6918.	o
19	0	12	1666.	-648.	1898.	<
20	0	12	87716.	91892.	7574.	o
21	0	12	5218.	8061.	4425.	<
1	1	12	5529.	6528.	451.	o
2	1	12	864.	456.	314.	<
3	1	12	6514.	6641.	434.	o
4	1	12	18.	277.	389.	<
5	1	12	2927.	3124.	435.	o
6	1	12	796.	801.	425.	<
7	1	12	1213.	742.	461.	<
8	1	12	582.	452.	539.	<
9	1	12	1487.	1720.	554.	o
10	1	12	4052.	3887.	627.	o
11	1	12	6266.	6529.	746.	o
12	1	12	1077.	1498.	736.	<
13	1	12	9366.	8920.	1152.	o
14	1	12	3592.	4170.	1142.	o
15	1	12	2944.	3932.	1026.	o

16	1	12	541.	-897.	1051.	<
17	1	12	2232.	874.	1131.	<
18	1	12	2062.	2313.	1215.	<
19	1	12	2801.	3507.	1256.	<
20	1	12	393.	-2795.	1826.	<
21	1	12	3972.	4210.	2320.	<
0	2	12	329.	-378.	508.	<
1	2	12	222.	81.	352.	<
2	2	12	7.	207.	390.	<
3	2	12	617.	733.	339.	<
4	2	12	21.	-11.	364.	<
5	2	12	134.	-292.	408.	<
6	2	12	336.	40.	415.	<
7	2	12	112.	-268.	518.	<
8	2	12	236.	-1136.	558.	<
9	2	12	586.	-104.	530.	<
10	2	12	56.	-70.	541.	<
11	2	12	17.	-1067.	733.	<
12	2	12	147.	-1068.	750.	<
13	2	12	3.	246.	850.	<
14	2	12	6.	626.	984.	<
15	2	12	151.	261.	986.	<
16	2	12	64.	-483.	1106.	<
17	2	12	6.	-789.	1159.	<
18	2	12	224.	433.	1186.	<
19	2	12	34.	-1164.	1180.	<
20	2	12	41.	-35.	1494.	<
21	2	12	37.	6676.	2814.	<
1	3	12	143.	650.	405.	<
2	3	12	410.	782.	384.	<
3	3	12	608.	531.	434.	<
4	3	12	88.	263.	418.	<
5	3	12	2106.	2472.	456.	o
6	3	12	744.	451.	440.	<
7	3	12	2655.	1734.	490.	o
8	3	12	531.	187.	472.	<
9	3	12	9277.	10633.	723.	o
10	3	12	2863.	2825.	630.	o
11	3	12	756.	1514.	714.	<
12	3	12	410.	-212.	799.	<
13	3	12	1476.	2167.	919.	<
14	3	12	5581.	5825.	1158.	o
15	3	12	4133.	5753.	1215.	o
16	3	12	514.	667.	1051.	<
17	3	12	4788.	6644.	1294.	o
18	3	12	3179.	1955.	1253.	<
19	3	12	3947.	5634.	1260.	o
20	3	12	615.	700.	1471.	<
21	3	12	1895.	-1180.	3098.	<
0	4	12	360582.	375512.	4451.	o
1	4	12	21997.	24503.	887.	o
2	4	12	348198.	366492.	3186.	o
3	4	12	20761.	18590.	875.	o
4	4	12	366841.	411879.	3911.	o
5	4	12	23202.	23700.	835.	o

6	4	12	319894.	344699.	2999.	o
7	4	12	13585.	12972.	747.	o
8	4	12	386548.	419349.	3719.	o
9	4	12	29539.	25220.	926.	o
10	4	12	288082.	284226.	3506.	o
11	4	12	10144.	9758.	852.	o
12	4	12	253786.	261441.	3898.	o
13	4	12	21034.	16267.	1223.	o
14	4	12	176413.	192382.	4295.	o
15	4	12	4847.	4190.	1111.	o
16	4	12	144346.	159789.	4321.	o
17	4	12	12460.	11922.	1411.	o
18	4	12	124157.	135978.	4459.	o
19	4	12	2705.	2436.	1299.	<
20	4	12	97043.	98127.	10263.	o
21	4	12	6249.	11182.	4324.	<
1	5	12	8346.	7738.	533.	o
2	5	12	423.	570.	397.	<
3	5	12	2722.	3199.	482.	o
4	5	12	188.	138.	410.	<
5	5	12	1076.	1197.	368.	o
6	5	12	1085.	2150.	419.	o
7	5	12	1741.	2470.	480.	o
8	5	12	423.	556.	476.	<
9	5	12	454.	605.	517.	<
10	5	12	4442.	4004.	636.	o
11	5	12	11056.	11892.	915.	o
12	5	12	2052.	1964.	718.	<
13	5	12	12235.	12846.	1289.	o
14	5	12	4166.	2750.	1023.	<
15	5	12	869.	610.	1058.	<
16	5	12	568.	-980.	1216.	<
17	5	12	354.	-132.	1048.	<
18	5	12	2708.	4068.	1202.	o
19	5	12	991.	3431.	2578.	<
0	6	12	54.	-92.	531.	<
1	6	12	5.	-59.	378.	<
2	6	12	10.	350.	442.	<
3	6	12	839.	359.	411.	<
4	6	12	2.	-565.	407.	<
5	6	12	40.	684.	419.	<
6	6	12	90.	-428.	451.	<
7	6	12	186.	-84.	436.	<
8	6	12	107.	426.	440.	<
9	6	12	192.	-374.	532.	<
10	6	12	0.	-144.	617.	<
11	6	12	8.	-168.	766.	<
12	6	12	863.	826.	851.	<
13	6	12	231.	2096.	968.	<
14	6	12	0.	629.	983.	<
15	6	12	59.	-822.	1072.	<
16	6	12	121.	412.	1016.	<
17	6	12	29.	-1811.	1340.	<
18	6	12	115.	2132.	1880.	<
19	6	12	19.	5086.	3975.	<

1	7	12	1072.	576.	412.	<
2	7	12	37.	-58.	435.	<
3	7	12	1012.	2097.	486.	o
4	7	12	92.	571.	395.	<
5	7	12	1803.	1954.	414.	o
6	7	12	1167.	499.	461.	<
7	7	12	1982.	2718.	513.	o
8	7	12	163.	-749.	492.	<
9	7	12	5111.	3869.	539.	o
10	7	12	2064.	3151.	731.	o
11	7	12	723.	1610.	862.	<
12	7	12	613.	-310.	952.	<
13	7	12	1352.	1502.	1047.	<
14	7	12	4071.	5040.	1106.	o
15	7	12	3429.	4617.	1252.	o
16	7	12	588.	1681.	1389.	<
17	7	12	2587.	4187.	1446.	<
18	7	12	2734.	4352.	3319.	<
19	7	12	1699.	2490.	3411.	<
0	8	12	421821.	451769.	4747.	o
1	8	12	21717.	26751.	1002.	o
2	8	12	269804.	283576.	2756.	o
3	8	12	12517.	13810.	770.	o
4	8	12	221547.	232530.	2597.	o
5	8	12	16956.	17692.	803.	o
6	8	12	213781.	215073.	2636.	o
7	8	12	10858.	9768.	692.	o
8	8	12	316912.	336977.	3279.	o
9	8	12	24524.	21998.	1049.	o
10	8	12	319655.	337065.	4607.	o
11	8	12	9914.	10744.	1152.	o
12	8	12	198428.	207897.	4916.	o
13	8	12	14030.	14192.	1513.	o
14	8	12	104751.	100580.	4003.	o
15	8	12	3374.	3835.	1325.	<
16	8	12	105950.	105080.	4320.	o
17	8	12	10077.	9854.	2610.	o
18	8	12	114309.	142676.	12686.	o
19	8	12	2932.	3573.	3406.	<
1	9	12	3228.	4767.	617.	o
2	9	12	143.	321.	476.	<
3	9	12	1272.	1138.	472.	<
4	9	12	27.	189.	429.	<
5	9	12	2824.	3013.	496.	o
6	9	12	350.	481.	485.	<
7	9	12	380.	570.	565.	<
8	9	12	221.	119.	653.	<
9	9	12	680.	1505.	834.	<
10	9	12	2219.	536.	867.	<
11	9	12	2150.	3527.	1070.	o
12	9	12	476.	-155.	983.	<
13	9	12	8367.	5318.	1246.	o
14	9	12	4574.	5319.	1338.	o
15	9	12	4520.	4717.	1463.	o
16	9	12	547.	-1060.	1979.	<

17	9	12	2768.	6668.	3828.	<
0	10	12	797.	2807.	1056.	<
1	10	12	185.	858.	583.	<
2	10	12	97.	-343.	579.	<
3	10	12	108.	1003.	509.	<
4	10	12	20.	-101.	506.	<
5	10	12	118.	-7.	525.	<
6	10	12	35.	-1244.	627.	<
7	10	12	441.	486.	755.	<
8	10	12	103.	-951.	836.	<
9	10	12	115.	-32.	809.	<
10	10	12	90.	2398.	966.	<
11	10	12	53.	-4.	1098.	<
12	10	12	85.	-385.	1207.	<
13	10	12	189.	451.	1138.	<
14	10	12	18.	-605.	1250.	<
15	10	12	20.	-2145.	2324.	<
16	10	12	16.	-4541.	4424.	<
1	11	12	1173.	2025.	669.	o
2	11	12	383.	600.	678.	<
3	11	12	4673.	5784.	777.	o
4	11	12	34.	-874.	701.	<
5	11	12	1469.	1090.	687.	<
6	11	12	452.	282.	695.	<
7	11	12	110.	617.	652.	<
8	11	12	23.	-374.	889.	<
9	11	12	339.	-2194.	1012.	<
10	11	12	1532.	833.	1037.	<
11	11	12	2329.	3134.	1319.	<
12	11	12	453.	1450.	1223.	<
13	11	12	7121.	5519.	1415.	o
14	11	12	2309.	972.	2627.	<
15	11	12	3659.	-2064.	2653.	<
0	12	12	240292.	266587.	7021.	o
1	12	12	14286.	22540.	1606.	o
2	12	12	173064.	167088.	3762.	o
3	12	12	7289.	8008.	1053.	o
4	12	12	164656.	175526.	3897.	o
5	12	12	14683.	14074.	1202.	o
6	12	12	172214.	180786.	4031.	o
7	12	12	7830.	8623.	1181.	o
8	12	12	208644.	212846.	5543.	o
9	12	12	13892.	11105.	1504.	o
10	12	12	193624.	192290.	5857.	o
11	12	12	6300.	8543.	1714.	o
12	12	12	132023.	129926.	5351.	o
13	12	12	9184.	7346.	3506.	<
14	12	12	77307.	69368.	9254.	o
1	13	12	34.	1315.	855.	<
2	13	12	57.	660.	878.	<
3	13	12	10.	-982.	826.	<
4	13	12	20.	505.	855.	<
5	13	12	2215.	2736.	924.	<
6	13	12	467.	-321.	921.	<
7	13	12	1781.	1840.	1024.	<

8	13	12	196.	809.	1188.	<
9	13	12	2616.	-713.	1135.	<
10	13	12	1236.	3750.	1256.	<
11	13	12	457.	1156.	2322.	<
12	13	12	357.	9489.	4871.	<
13	13	12	2742.	-2617.	3525.	<
14	13	12	2720.	-2481.	3216.	<
0	14	12	6.	-1143.	1145.	<
1	14	12	343.	1417.	934.	<
2	14	12	152.	-629.	849.	<
3	14	12	279.	-292.	936.	<
4	14	12	26.	1034.	966.	<
5	14	12	594.	2255.	1072.	<
6	14	12	99.	1094.	1153.	<
7	14	12	485.	-2609.	1111.	<
8	14	12	133.	561.	1117.	<
9	14	12	562.	1816.	1536.	<
10	14	12	13.	998.	2626.	<
1	15	12	1552.	883.	1050.	<
2	15	12	159.	1002.	1112.	<
3	15	12	2231.	-137.	1051.	<
4	15	12	158.	1262.	1158.	<
5	15	12	168.	1606.	1511.	<
6	15	12	171.	-123.	1467.	<
7	15	12	74.	-258.	3373.	<
8	15	12	125.	5506.	4463.	<
0	16	12	144025.	140559.	9244.	o
1	16	12	8370.	7842.	1963.	o
2	16	12	137378.	131625.	6308.	o
3	16	12	9165.	7836.	1741.	o
4	16	12	158809.	165391.	9927.	o
5	16	12	10944.	13976.	3516.	o
6	16	12	144666.	148994.	9540.	o
1	17	12	22.	-319.	2222.	<
1	1	13	3656.	2232.	400.	o
2	1	13	1152.	740.	364.	<
3	1	13	386.	578.	377.	<
4	1	13	1354.	1136.	422.	<
5	1	13	8873.	8789.	629.	o
6	1	13	3392.	3594.	542.	o
7	1	13	2658.	1821.	565.	o
8	1	13	3260.	3801.	625.	o
9	1	13	7010.	7495.	669.	o
10	1	13	4074.	4051.	620.	o
11	1	13	5465.	5100.	736.	o
12	1	13	2066.	787.	790.	<
13	1	13	13246.	14741.	1598.	o
14	1	13	6781.	6242.	1264.	o
15	1	13	8024.	7452.	1294.	o
16	1	13	3517.	2956.	1157.	<
17	1	13	9238.	10157.	1573.	o
18	1	13	5177.	4358.	1418.	o
19	1	13	7763.	8683.	1847.	o
20	1	13	3598.	6262.	1927.	o
21	1	13	5788.	7670.	4254.	<

0	2	13	345790.	346657.	4276.	o
1	2	13	252886.	261700.	2577.	o
2	2	13	147364.	143280.	2011.	o
3	2	13	132281.	133837.	2092.	o
4	2	13	119514.	114458.	1792.	o
5	2	13	98794.	89581.	1696.	o
6	2	13	65606.	61088.	1504.	o
7	2	13	95980.	89678.	1996.	o
8	2	13	146215.	146803.	2549.	o
9	2	13	170900.	168215.	2841.	o
10	2	13	164246.	150204.	2496.	o
11	2	13	145311.	139425.	2887.	o
12	2	13	152356.	152292.	3257.	o
13	2	13	114365.	122846.	3930.	o
14	2	13	80130.	77673.	3275.	o
15	2	13	72163.	75930.	3327.	o
16	2	13	78616.	84297.	3588.	o
17	2	13	72785.	70769.	3183.	o
18	2	13	70371.	77481.	3436.	o
19	2	13	58138.	66733.	4225.	o
20	2	13	55501.	58796.	5920.	o
21	2	13	48610.	58974.	6028.	o
1	3	13	44.	616.	438.	<
2	3	13	4565.	4390.	547.	o
3	3	13	3800.	3065.	616.	o
4	3	13	1111.	914.	502.	<
5	3	13	5977.	5527.	559.	o
6	3	13	4227.	4328.	505.	o
7	3	13	7946.	6729.	635.	o
8	3	13	4966.	3498.	569.	o
9	3	13	17708.	16138.	898.	o
10	3	13	3880.	2996.	620.	o
11	3	13	1713.	990.	656.	<
12	3	13	123.	-749.	774.	<
13	3	13	4314.	7229.	1276.	o
14	3	13	2422.	4220.	1135.	o
15	3	13	6611.	4070.	1146.	o
16	3	13	3429.	1299.	1344.	<
17	3	13	9351.	11054.	1524.	o
18	3	13	5652.	5338.	1361.	o
19	3	13	8109.	6789.	1539.	o
20	3	13	2099.	6144.	2147.	<
0	4	13	177.	183.	787.	<
1	4	13	423.	-686.	486.	<
2	4	13	84.	738.	508.	<
3	4	13	84.	-754.	527.	<
4	4	13	10.	-588.	501.	<
5	4	13	220.	250.	455.	<
6	4	13	37.	889.	477.	<
7	4	13	31.	-621.	466.	<
8	4	13	264.	382.	503.	<
9	4	13	95.	465.	576.	<
10	4	13	10.	421.	618.	<
11	4	13	310.	-520.	624.	<
12	4	13	231.	184.	794.	<

13	4	13	939.	89.	964.	<
14	4	13	1.	-823.	977.	<
15	4	13	20.	-843.	980.	<
16	4	13	187.	-1205.	1167.	<
17	4	13	39.	316.	1161.	<
18	4	13	177.	1322.	1331.	<
19	4	13	17.	905.	1866.	<
20	4	13	0.	2074.	2276.	<
1	5	13	4028.	2817.	456.	o
2	5	13	3033.	2720.	495.	o
3	5	13	212.	598.	480.	<
4	5	13	54.	909.	532.	<
5	5	13	2443.	2014.	440.	o
6	5	13	1994.	1448.	475.	o
7	5	13	945.	835.	464.	<
8	5	13	343.	177.	575.	<
9	5	13	7594.	6262.	683.	o
10	5	13	4946.	4349.	678.	o
11	5	13	11270.	10232.	1094.	o
12	5	13	4594.	2810.	1003.	<
13	5	13	10956.	10327.	1270.	o
14	5	13	1711.	2083.	1120.	<
15	5	13	2551.	2286.	1097.	<
16	5	13	422.	1329.	1122.	<
17	5	13	3512.	5051.	1219.	o
18	5	13	2388.	1977.	1779.	<
19	5	13	6747.	12590.	3959.	o
0	6	13	275737.	281960.	4025.	o
1	6	13	222495.	227693.	2772.	o
2	6	13	173051.	170464.	2334.	o
3	6	13	177706.	182502.	2405.	o
4	6	13	181415.	184514.	2520.	o
5	6	13	157651.	151607.	2134.	o
6	6	13	99925.	97315.	1768.	o
7	6	13	105005.	103585.	1835.	o
8	6	13	135296.	132601.	2302.	o
9	6	13	138593.	128047.	2448.	o
10	6	13	125962.	116267.	3109.	o
11	6	13	137025.	142003.	3710.	o
12	6	13	168621.	165399.	4114.	o
13	6	13	141661.	132634.	3771.	o
14	6	13	129825.	128772.	4009.	o
15	6	13	97788.	97369.	3411.	o
16	6	13	92666.	88801.	3589.	o
17	6	13	71586.	67844.	3546.	o
18	6	13	60287.	60777.	6959.	o
19	6	13	44059.	40923.	7393.	o
1	7	13	9.	572.	492.	<
2	7	13	788.	319.	508.	<
3	7	13	2229.	3133.	549.	o
4	7	13	16.	762.	450.	<
5	7	13	4907.	5146.	510.	o
6	7	13	3411.	3407.	548.	o
7	7	13	5335.	4428.	574.	o
8	7	13	5098.	5448.	657.	o

9	7	13	20683.	19516.	1304.	o
10	7	13	4498.	4114.	961.	o
11	7	13	3824.	4130.	1081.	o
12	7	13	319.	867.	988.	<
13	7	13	3477.	2394.	1197.	<
14	7	13	1024.	1816.	1153.	<
15	7	13	4585.	7151.	1514.	o
16	7	13	1833.	449.	1397.	<
17	7	13	8077.	10931.	3371.	o
18	7	13	4771.	3100.	2191.	<
19	7	13	10309.	14157.	4805.	<
0	8	13	83.	226.	772.	<
1	8	13	172.	1543.	514.	o
2	8	13	38.	986.	526.	<
3	8	13	720.	500.	528.	<
4	8	13	160.	25.	475.	<
5	8	13	22.	131.	472.	<
6	8	13	2.	246.	525.	<
7	8	13	117.	-407.	558.	<
8	8	13	412.	135.	728.	<
9	8	13	138.	-814.	791.	<
10	8	13	14.	1250.	882.	<
11	8	13	143.	-753.	947.	<
12	8	13	25.	979.	1060.	<
13	8	13	129.	452.	1065.	<
14	8	13	12.	995.	1326.	<
15	8	13	27.	-99.	1321.	<
16	8	13	117.	-2260.	1886.	<
17	8	13	17.	1806.	2509.	<
18	8	13	123.	2152.	2367.	<
1	9	13	1107.	-13.	551.	<
2	9	13	282.	-97.	559.	<
3	9	13	14.	114.	479.	<
4	9	13	274.	-237.	488.	<
5	9	13	2440.	1964.	538.	o
6	9	13	2099.	2132.	666.	o
7	9	13	2507.	3070.	728.	o
8	9	13	1496.	2569.	775.	o
9	9	13	6573.	7554.	1173.	o
10	9	13	3660.	4224.	1022.	o
11	9	13	5201.	2762.	1107.	<
12	9	13	1885.	2882.	1229.	<
13	9	13	4300.	5094.	1292.	o
14	9	13	1847.	737.	1267.	<
15	9	13	3270.	3852.	1738.	<
16	9	13	1407.	1500.	2774.	<
0	10	13	100519.	101983.	4347.	o
1	10	13	103907.	102375.	2712.	o
2	10	13	90707.	77541.	2276.	o
3	10	13	115891.	109514.	2461.	o
4	10	13	138769.	139054.	3219.	o
5	10	13	113376.	113402.	2931.	o
6	10	13	87056.	84561.	2589.	o
7	10	13	87951.	86068.	2614.	o
8	10	13	91817.	84023.	2681.	o

9	10	13	76219.	67000.	2666.	o
10	10	13	60596.	54492.	2643.	o
11	10	13	71343.	70476.	3361.	o
12	10	13	89181.	78082.	3594.	o
13	10	13	98378.	94183.	3971.	o
14	10	13	88952.	81794.	5501.	o
15	10	13	67748.	68730.	9742.	o
1	11	13	1419.	2499.	946.	<
2	11	13	1839.	1344.	751.	<
3	11	13	556.	-62.	707.	<
4	11	13	506.	-533.	776.	<
5	11	13	4457.	4667.	840.	o
6	11	13	1215.	855.	775.	<
7	11	13	733.	1753.	838.	<
8	11	13	1280.	2921.	984.	<
9	11	13	8063.	7356.	1290.	o
10	11	13	3390.	1736.	1353.	<
11	11	13	6629.	7763.	1656.	o
12	11	13	2959.	2208.	1338.	<
13	11	13	7326.	5823.	2837.	<
14	11	13	2475.	6908.	4516.	<
0	12	13	12.	568.	1201.	<
1	12	13	589.	971.	804.	<
2	12	13	5.	625.	904.	<
3	12	13	118.	-914.	923.	<
4	12	13	170.	-1105.	833.	<
5	12	13	88.	1257.	901.	<
6	12	13	18.	1112.	846.	<
7	12	13	194.	188.	1026.	<
8	12	13	16.	385.	1151.	<
9	12	13	733.	411.	1073.	<
10	12	13	7.	9.	1173.	<
11	12	13	133.	-2196.	1613.	<
12	12	13	248.	3082.	2665.	<
13	12	13	21.	-5625.	3657.	<
1	13	13	126.	-276.	860.	<
2	13	13	165.	1332.	832.	<
3	13	13	426.	1027.	976.	<
4	13	13	18.	-98.	934.	<
5	13	13	2686.	2966.	910.	o
6	13	13	3498.	1582.	1021.	<
7	13	13	5536.	5142.	1187.	o
8	13	13	4245.	5298.	1196.	o
9	13	13	7420.	8714.	1504.	o
10	13	13	2650.	-3831.	2119.	<
11	13	13	1750.	2718.	3726.	<
12	13	13	369.	3962.	3814.	<
13	13	13	1571.	3831.	3451.	<
0	14	13	106280.	101912.	4937.	o
1	14	13	100585.	102109.	3269.	o
2	14	13	84183.	82773.	2943.	o
3	14	13	85313.	87139.	3413.	o
4	14	13	84761.	80273.	3286.	o
5	14	13	68618.	65756.	3233.	o
6	14	13	58275.	47185.	2790.	o

7	14	13	68309.	67444.	3806.	o
8	14	13	79114.	69036.	5370.	o
9	14	13	74815.	78084.	9407.	o
1	15	13	1156.	2692.	1171.	<
2	15	13	527.	1697.	1172.	<
3	15	13	386.	292.	1335.	<
4	15	13	464.	1426.	1353.	<
5	15	13	1981.	-1596.	1925.	<
6	15	13	532.	2570.	2750.	<
7	15	13	555.	-54.	2451.	<
0	16	13	185.	-1459.	3883.	<
1	16	13	699.	-1495.	2338.	<
2	16	13	3.	-2137.	2379.	<
4	16	13	71.	-2006.	3311.	<
5	16	13	347.	-4606.	2572.	<
0	0	14	5446.	6259.	929.	o
1	0	14	92484.	108876.	2041.	o
2	0	14	14149.	14249.	921.	o
3	0	14	5117.	7202.	733.	o
4	0	14	3496.	4513.	679.	o
5	0	14	2099.	4373.	822.	o
6	0	14	416.	-780.	826.	<
7	0	14	941.	1188.	977.	<
8	0	14	174.	-696.	748.	<
9	0	14	8733.	8179.	994.	o
10	0	14	4397.	3727.	860.	o
11	0	14	11912.	13438.	1368.	o
12	0	14	1224.	2664.	1296.	<
13	0	14	547.	1772.	1395.	<
14	0	14	300.	1727.	1797.	<
15	0	14	1215.	3202.	1570.	<
16	0	14	38.	-578.	1356.	<
17	0	14	184.	-454.	1727.	<
18	0	14	148.	2655.	1886.	<
19	0	14	113.	388.	2113.	<
20	0	14	805.	1175.	2857.	<
1	1	14	1833.	1678.	442.	o
2	1	14	101.	95.	457.	<
3	1	14	320.	544.	381.	<
4	1	14	122.	194.	444.	<
5	1	14	1904.	2305.	572.	o
6	1	14	24.	-5.	527.	<
7	1	14	183.	-266.	553.	<
8	1	14	281.	-282.	569.	<
9	1	14	1064.	598.	561.	<
10	1	14	16.	-175.	555.	<
11	1	14	127.	656.	687.	<
12	1	14	28.	101.	917.	<
13	1	14	841.	1948.	1046.	<
14	1	14	1056.	588.	1080.	<
15	1	14	610.	280.	1043.	<
16	1	14	38.	-1534.	1172.	<
17	1	14	653.	2992.	1179.	<
18	1	14	274.	236.	1318.	<
19	1	14	1116.	-678.	1315.	<

20	1	14	122.	2189.	3138.	<
0	2	14	1206.	1270.	673.	<
1	2	14	121.	-358.	427.	<
2	2	14	3.	105.	473.	<
3	2	14	125.	64.	490.	<
4	2	14	1.	525.	618.	<
5	2	14	48.	502.	473.	<
6	2	14	227.	-596.	507.	<
7	2	14	156.	458.	530.	<
8	2	14	6.	-741.	586.	<
9	2	14	6.	899.	561.	<
10	2	14	28.	-13.	603.	<
11	2	14	37.	-1659.	855.	<
12	2	14	356.	-1754.	1007.	<
13	2	14	128.	-2219.	1128.	<
14	2	14	86.	-514.	1033.	<
15	2	14	101.	-369.	1184.	<
16	2	14	9.	908.	1060.	<
17	2	14	37.	-2960.	1292.	<
18	2	14	11.	-2341.	1396.	<
19	2	14	2.	838.	1734.	<
20	2	14	49.	-294.	2247.	<
1	3	14	2.	494.	452.	<
2	3	14	9159.	11510.	804.	o
3	3	14	1722.	866.	601.	<
4	3	14	1733.	3272.	659.	o
5	3	14	2775.	2195.	550.	o
6	3	14	620.	-4.	498.	<
7	3	14	11.	386.	459.	<
8	3	14	5373.	3584.	622.	o
9	3	14	2724.	2931.	580.	o
10	3	14	10.	-110.	558.	<
11	3	14	30.	299.	781.	<
12	3	14	3938.	4019.	1028.	o
13	3	14	102.	-1062.	1069.	<
14	3	14	1154.	3133.	1053.	<
15	3	14	758.	643.	1178.	<
16	3	14	250.	391.	1201.	<
17	3	14	1308.	1372.	1232.	<
18	3	14	102.	2029.	1391.	<
19	3	14	1566.	256.	1805.	<
20	3	14	190.	-2437.	3188.	<
0	4	14	2340.	4126.	974.	o
1	4	14	88614.	109994.	2170.	o
2	4	14	13706.	14117.	910.	o
3	4	14	39252.	43252.	1393.	o
4	4	14	145.	299.	633.	<
5	4	14	24369.	28563.	1096.	o
6	4	14	5102.	4868.	545.	o
7	4	14	13503.	12010.	720.	o
8	4	14	123.	206.	547.	<
9	4	14	16580.	16462.	939.	o
10	4	14	4948.	3933.	786.	o
11	4	14	13309.	12109.	1189.	o
12	4	14	702.	290.	918.	<

13	4	14	6786.	4439.	1031.	o
14	4	14	920.	1676.	1172.	<
15	4	14	3037.	1330.	1104.	<
16	4	14	870.	903.	1154.	<
17	4	14	3611.	3901.	1144.	o
18	4	14	495.	-1145.	1446.	<
19	4	14	1009.	6172.	4768.	<
1	5	14	3049.	2601.	503.	o
2	5	14	186.	931.	487.	<
3	5	14	110.	-670.	586.	<
4	5	14	26.	-110.	581.	<
5	5	14	748.	-93.	549.	<
6	5	14	153.	282.	457.	<
7	5	14	37.	531.	545.	<
8	5	14	8.	158.	560.	<
9	5	14	1421.	1388.	678.	<
10	5	14	336.	-1526.	885.	<
11	5	14	572.	-35.	1022.	<
12	5	14	2521.	1270.	989.	<
13	5	14	2317.	3457.	1090.	o
14	5	14	65.	-1769.	996.	<
15	5	14	674.	-523.	1057.	<
16	5	14	48.	58.	1165.	<
17	5	14	490.	1899.	1520.	<
18	5	14	284.	755.	2358.	<
0	6	14	681.	588.	674.	<
1	6	14	452.	387.	508.	<
2	6	14	17.	201.	484.	<
3	6	14	126.	223.	487.	<
4	6	14	162.	790.	622.	<
5	6	14	280.	1020.	473.	<
6	6	14	188.	-285.	527.	<
7	6	14	57.	434.	583.	<
8	6	14	18.	62.	729.	<
9	6	14	402.	1382.	866.	<
10	6	14	262.	1300.	846.	<
11	6	14	13.	-1016.	949.	<
12	6	14	319.	-568.	957.	<
13	6	14	123.	519.	991.	<
14	6	14	18.	-338.	916.	<
15	6	14	45.	1423.	1245.	<
16	6	14	66.	-1190.	1290.	<
17	6	14	285.	-7023.	3577.	<
18	6	14	4.	-3285.	3209.	<
1	7	14	185.	1280.	502.	<
2	7	14	6642.	6361.	673.	o
3	7	14	1305.	1005.	551.	<
4	7	14	660.	1073.	520.	<
5	7	14	740.	1077.	528.	<
6	7	14	1303.	1745.	583.	<
7	7	14	480.	937.	666.	<
8	7	14	5592.	5629.	822.	o
9	7	14	2664.	2333.	874.	<
10	7	14	99.	1287.	1047.	<
11	7	14	47.	-502.	922.	<

12	7	14	1095.	1642.	1167.	<
13	7	14	350.	-478.	1077.	<
14	7	14	15.	3676.	1196.	o
15	7	14	963.	389.	1248.	<
16	7	14	608.	1936.	2669.	<
17	7	14	1009.	1394.	2555.	<
18	7	14	319.	727.	3234.	<
0	8	14	83.	315.	863.	<
1	8	14	27476.	30625.	1254.	o
2	8	14	7568.	7460.	808.	o
3	8	14	41286.	48620.	1754.	o
4	8	14	1091.	2172.	723.	o
5	8	14	32522.	37620.	1462.	o
6	8	14	4793.	5878.	755.	o
7	8	14	10363.	9712.	975.	o
8	8	14	20.	202.	727.	<
9	8	14	2870.	4460.	1026.	o
10	8	14	1171.	116.	881.	<
11	8	14	1973.	1511.	959.	<
12	8	14	320.	-1310.	1165.	<
13	8	14	10908.	9888.	1522.	o
14	8	14	2106.	2185.	1244.	<
15	8	14	7196.	8232.	1908.	o
16	8	14	1056.	3393.	2742.	<
17	8	14	1892.	4399.	2350.	<
1	9	14	953.	1922.	752.	<
2	9	14	117.	512.	756.	<
3	9	14	31.	-470.	698.	<
4	9	14	101.	-961.	710.	<
5	9	14	1525.	2224.	779.	<
6	9	14	160.	736.	769.	<
7	9	14	46.	-14.	737.	<
8	9	14	165.	313.	864.	<
9	9	14	314.	-58.	956.	<
10	9	14	985.	1825.	1019.	<
11	9	14	91.	-65.	1073.	<
12	9	14	185.	2900.	1278.	<
13	9	14	1321.	2487.	1307.	<
14	9	14	100.	-825.	1605.	<
15	9	14	652.	-2056.	2465.	<
0	10	14	234.	1266.	1221.	<
1	10	14	200.	355.	772.	<
2	10	14	137.	1027.	815.	<
3	10	14	312.	784.	729.	<
4	10	14	370.	307.	735.	<
5	10	14	360.	314.	813.	<
6	10	14	141.	236.	792.	<
7	10	14	20.	675.	857.	<
8	10	14	293.	-311.	831.	<
9	10	14	255.	368.	992.	<
10	10	14	275.	595.	1036.	<
11	10	14	28.	-1637.	1326.	<
12	10	14	163.	-115.	1517.	<
13	10	14	207.	-1327.	1769.	<
14	10	14	30.	423.	2515.	<

1	11	14	730.	2310.	899.	<
2	11	14	241.	-329.	762.	<
3	11	14	4.	1303.	813.	<
4	11	14	89.	521.	794.	<
5	11	14	722.	1342.	853.	<
6	11	14	7.	653.	824.	<
7	11	14	15.	652.	897.	<
8	11	14	201.	726.	918.	<
9	11	14	122.	1386.	1064.	<
10	11	14	131.	-1902.	1268.	<
11	11	14	131.	-762.	1351.	<
12	11	14	9.	1294.	1822.	<
13	11	14	592.	2033.	3307.	<
0	12	14	32.	-16.	1204.	<
1	12	14	10867.	9722.	1117.	o
2	12	14	3567.	3088.	937.	o
3	12	14	14417.	16753.	1459.	o
4	12	14	63.	-1501.	877.	<
5	12	14	4609.	3421.	880.	o
6	12	14	1355.	1632.	967.	<
7	12	14	1632.	1723.	984.	<
8	12	14	19.	834.	1079.	<
9	12	14	555.	2711.	1282.	<
10	12	14	167.	4172.	1687.	<
11	12	14	404.	1263.	2639.	<
12	12	14	284.	-1251.	2384.	<
1	13	14	298.	1146.	925.	<
2	13	14	1539.	850.	808.	<
3	13	14	259.	-1624.	1035.	<
4	13	14	200.	376.	920.	<
5	13	14	825.	-581.	996.	<
6	13	14	671.	-352.	980.	<
7	13	14	137.	2529.	1298.	<
8	13	14	1517.	49.	1281.	<
9	13	14	564.	-2479.	2199.	<
10	13	14	386.	343.	2487.	<
11	13	14	73.	-8140.	4580.	<
0	14	14	598.	-229.	1437.	<
1	14	14	300.	-773.	964.	<
2	14	14	398.	559.	986.	<
3	14	14	376.	1230.	1076.	<
4	14	14	660.	481.	1047.	<
5	14	14	42.	-1228.	1404.	<
6	14	14	581.	-525.	1304.	<
7	14	14	9.	-1469.	1580.	<
1	15	14	330.	2526.	1628.	<
2	15	14	422.	202.	1455.	<
3	15	14	22.	980.	2260.	<
4	15	14	20.	-1895.	2279.	<
5	15	14	260.	1428.	2483.	<
0	16	14	832.	7284.	3674.	<
1	16	14	25653.	35036.	6983.	o
1	1	15	602.	1026.	432.	<
2	1	15	17.	607.	524.	<
3	1	15	137.	449.	465.	<

4	1	15	263.	-59.	447.	<
5	1	15	1457.	1069.	450.	<
6	1	15	2983.	3438.	690.	o
7	1	15	592.	-24.	561.	<
8	1	15	4366.	4690.	651.	o
9	1	15	1586.	1922.	657.	<
10	1	15	12991.	13685.	1210.	o
11	1	15	2451.	2340.	1014.	<
12	1	15	3776.	4445.	1148.	o
13	1	15	2155.	2391.	1197.	<
14	1	15	8264.	8256.	1432.	o
15	1	15	1366.	429.	1037.	<
16	1	15	6040.	1990.	1276.	<
17	1	15	2135.	299.	1331.	<
18	1	15	12726.	14226.	2420.	o
19	1	15	2456.	3947.	2346.	<
0	2	15	48275.	60701.	2254.	o
1	2	15	403253.	439590.	3952.	o
2	2	15	34879.	37450.	1362.	o
3	2	15	461345.	488794.	4231.	o
4	2	15	53307.	53767.	1897.	o
5	2	15	482172.	533405.	4765.	o
6	2	15	31864.	30111.	1151.	o
7	2	15	381132.	407935.	4099.	o
8	2	15	38713.	36951.	1395.	o
9	2	15	307325.	308550.	3950.	o
10	2	15	23668.	23001.	1360.	o
11	2	15	191573.	184357.	4443.	o
12	2	15	25495.	21456.	1651.	o
13	2	15	212200.	223998.	5184.	o
14	2	15	16608.	16705.	1775.	o
15	2	15	121250.	116030.	3998.	o
16	2	15	11713.	10474.	1478.	o
17	2	15	110990.	118598.	4401.	o
18	2	15	10572.	5261.	1641.	o
19	2	15	69614.	62656.	6112.	o
1	3	15	1068.	1091.	455.	<
2	3	15	7890.	8471.	693.	o
3	3	15	40.	136.	624.	<
4	3	15	1250.	2202.	654.	o
5	3	15	315.	-137.	563.	<
6	3	15	764.	473.	473.	<
7	3	15	187.	345.	516.	<
8	3	15	184.	-701.	611.	<
9	3	15	1993.	2012.	724.	<
10	3	15	9242.	10130.	1050.	o
11	3	15	1749.	-214.	983.	<
12	3	15	13169.	13548.	1432.	o
13	3	15	2623.	2993.	1058.	<
14	3	15	12971.	12647.	1521.	o
15	3	15	1271.	132.	1159.	<
16	3	15	3699.	4732.	1229.	o
17	3	15	1067.	1109.	1261.	<
18	3	15	9660.	8937.	2353.	o
19	3	15	2282.	-2202.	2505.	<

0	4	15	140.	-395.	720.	<
1	4	15	60.	44.	493.	<
2	4	15	92.	990.	528.	<
3	4	15	7.	1607.	572.	<
4	4	15	44.	-976.	566.	<
5	4	15	181.	-1115.	653.	<
6	4	15	9.	36.	524.	<
7	4	15	122.	222.	546.	<
8	4	15	1.	-496.	680.	<
9	4	15	40.	-1216.	810.	<
10	4	15	381.	1017.	867.	<
11	4	15	352.	46.	964.	<
12	4	15	147.	-561.	937.	<
13	4	15	273.	1094.	1058.	<
14	4	15	16.	-861.	1129.	<
15	4	15	76.	2140.	1117.	<
16	4	15	59.	560.	1165.	<
17	4	15	127.	-41.	1340.	<
18	4	15	5.	950.	2079.	<
1	5	15	307.	721.	507.	<
2	5	15	1655.	1198.	512.	<
3	5	15	412.	452.	604.	<
4	5	15	782.	260.	590.	<
5	5	15	938.	1397.	598.	<
6	5	15	5163.	7213.	695.	o
7	5	15	537.	955.	637.	<
8	5	15	5735.	5076.	882.	o
9	5	15	1479.	726.	701.	<
10	5	15	5510.	5154.	965.	o
11	5	15	730.	-635.	876.	<
12	5	15	649.	852.	973.	<
13	5	15	972.	-766.	1049.	<
14	5	15	11017.	8979.	1329.	o
15	5	15	1589.	1355.	1059.	<
16	5	15	12491.	13852.	1777.	o
17	5	15	1346.	3279.	2436.	<
18	5	15	14942.	10426.	5052.	<
0	6	15	57855.	68405.	2576.	o
1	6	15	400515.	427374.	4074.	o
2	6	15	27065.	35095.	1299.	o
3	6	15	348230.	372366.	4217.	o
4	6	15	37627.	35735.	1346.	o
5	6	15	344932.	383991.	4341.	o
6	6	15	26994.	28038.	1377.	o
7	6	15	325608.	340068.	5095.	o
8	6	15	33429.	31441.	1690.	o
9	6	15	345779.	367780.	5610.	o
10	6	15	25302.	23001.	1560.	o
11	6	15	201006.	200153.	4605.	o
12	6	15	19116.	19638.	1642.	o
13	6	15	138283.	133765.	4247.	o
14	6	15	12197.	10009.	1500.	o
15	6	15	82696.	82519.	3456.	o
16	6	15	8938.	6659.	2718.	<
17	6	15	106307.	94531.	8379.	o

1	7	15	571.	1059.	619.	<
2	7	15	5852.	6555.	768.	o
3	7	15	5.	1049.	705.	<
4	7	15	1869.	1201.	629.	<
5	7	15	728.	404.	600.	<
6	7	15	1339.	1077.	689.	<
7	7	15	193.	-40.	717.	<
8	7	15	192.	-796.	919.	<
9	7	15	929.	1290.	940.	<
10	7	15	4435.	4323.	1097.	o
11	7	15	1200.	1968.	1070.	<
12	7	15	10150.	8501.	1363.	o
13	7	15	1509.	2655.	1150.	<
14	7	15	16028.	15415.	1892.	o
15	7	15	1480.	-1218.	1920.	<
16	7	15	5674.	4499.	2727.	<
17	7	15	1125.	3661.	3014.	<
0	8	15	273.	-1689.	976.	<
1	8	15	26.	-254.	803.	<
2	8	15	28.	-472.	757.	<
3	8	15	53.	-313.	773.	<
4	8	15	81.	-208.	751.	<
5	8	15	28.	-473.	752.	<
6	8	15	6.	366.	729.	<
7	8	15	38.	533.	702.	<
8	8	15	25.	683.	825.	<
9	8	15	125.	-524.	887.	<
10	8	15	0.	275.	896.	<
11	8	15	1.	532.	1039.	<
12	8	15	0.	-409.	1127.	<
13	8	15	19.	-1329.	1325.	<
14	8	15	55.	-2385.	1974.	<
15	8	15	325.	188.	2222.	<
16	8	15	42.	3187.	3443.	<
1	9	15	27.	865.	752.	<
2	9	15	43.	338.	825.	<
3	9	15	4.	591.	744.	<
4	9	15	553.	2947.	734.	o
5	9	15	545.	-270.	758.	<
6	9	15	2193.	1054.	746.	<
7	9	15	179.	667.	796.	<
8	9	15	1948.	2049.	833.	<
9	9	15	2379.	2536.	962.	<
10	9	15	4870.	4412.	1163.	o
11	9	15	628.	-79.	1140.	<
12	9	15	3048.	4498.	1307.	o
13	9	15	1691.	2871.	1685.	<
14	9	15	8595.	9663.	3307.	<
0	10	15	39278.	49122.	3422.	o
1	10	15	389625.	421741.	6349.	o
2	10	15	26295.	35331.	1908.	o
3	10	15	256946.	278652.	4705.	o
4	10	15	29072.	28472.	1629.	o
5	10	15	225105.	223787.	4263.	o
6	10	15	19262.	17993.	1475.	o

7	10	15	224481.	228450.	4472.	o
8	10	15	29036.	30350.	1742.	o
9	10	15	287778.	300857.	5850.	o
10	10	15	22141.	21320.	1758.	o
11	10	15	201644.	193991.	6148.	o
12	10	15	16798.	14591.	2454.	o
13	10	15	119704.	125317.	9448.	o
1	11	15	2.	754.	880.	<
2	11	15	36.	808.	865.	<
3	11	15	27.	-338.	826.	<
4	11	15	51.	107.	807.	<
5	11	15	964.	646.	799.	<
6	11	15	3023.	3237.	985.	o
7	11	15	496.	-793.	983.	<
8	11	15	2387.	1604.	1078.	<
9	11	15	1367.	377.	1082.	<
10	11	15	4103.	4824.	1350.	o
11	11	15	802.	1575.	1566.	<
12	11	15	2580.	-205.	2692.	<
0	12	15	9.	93.	1325.	<
1	12	15	29.	-740.	942.	<
2	12	15	22.	-199.	829.	<
3	12	15	33.	-141.	972.	<
4	12	15	1.	436.	864.	<
5	12	15	0.	2182.	1026.	<
6	12	15	22.	672.	1030.	<
7	12	15	4.	402.	1014.	<
8	12	15	7.	364.	1178.	<
9	12	15	168.	399.	1509.	<
10	12	15	12.	2295.	1980.	<
11	12	15	100.	-3882.	3788.	<
1	13	15	191.	1449.	880.	<
2	13	15	2303.	1952.	924.	<
3	13	15	19.	358.	875.	<
4	13	15	784.	219.	977.	<
5	13	15	501.	1767.	1071.	<
6	13	15	227.	-2353.	1206.	<
7	13	15	42.	387.	1309.	<
8	13	15	241.	3401.	2380.	<
9	13	15	862.	494.	2303.	<
10	13	15	3714.	2620.	3039.	<
0	14	15	23230.	27913.	3006.	o
1	14	15	228634.	223422.	5702.	o
2	14	15	18386.	17543.	1937.	o
3	14	15	199876.	186266.	8706.	o
4	14	15	23449.	13397.	3259.	o
5	14	15	207919.	199549.	11632.	o
1	15	15	6.	-1813.	1541.	<
2	15	15	42.	261.	2085.	<
3	15	15	5.	716.	2076.	<
4	15	15	173.	2105.	3730.	<
0	0	16	297783.	332514.	5712.	o
1	0	16	253594.	291202.	4177.	o
2	0	16	202083.	223224.	3400.	o
3	0	16	94779.	93095.	2262.	o

4	0	16	116657.	125962.	2929.	o
5	0	16	88666.	102930.	2852.	o
6	0	16	100717.	100607.	2607.	o
7	0	16	57045.	55234.	2360.	o
8	0	16	101617.	95443.	3451.	o
9	0	16	110673.	109830.	4560.	o
10	0	16	137363.	134243.	5186.	o
11	0	16	81950.	77869.	4102.	o
12	0	16	82586.	74709.	4672.	o
13	0	16	55665.	44297.	3776.	o
14	0	16	48623.	49829.	4063.	o
15	0	16	17909.	13185.	2344.	o
16	0	16	34824.	30947.	3275.	o
17	0	16	25562.	22448.	4018.	o
18	0	16	28615.	26724.	4450.	o
1	1	16	1352.	2362.	499.	o
2	1	16	869.	459.	527.	<
3	1	16	2558.	2400.	562.	o
4	1	16	1992.	2708.	570.	o
5	1	16	316.	-392.	535.	<
6	1	16	2510.	3154.	571.	o
7	1	16	667.	1615.	704.	<
8	1	16	1446.	559.	699.	<
9	1	16	7.	-446.	906.	<
10	1	16	1401.	1321.	977.	<
11	1	16	965.	-575.	985.	<
12	1	16	386.	157.	1059.	<
13	1	16	1087.	2336.	1144.	<
14	1	16	1146.	87.	1077.	<
15	1	16	22.	844.	1368.	<
16	1	16	514.	1433.	1066.	<
17	1	16	86.	1251.	1665.	<
18	1	16	4065.	7265.	2384.	o
19	1	16	83.	188.	4178.	<
0	2	16	161.	467.	759.	<
1	2	16	11.	-695.	467.	<
2	2	16	207.	693.	548.	<
3	2	16	145.	-811.	533.	<
4	2	16	108.	1051.	579.	<
5	2	16	1.	-846.	655.	<
6	2	16	1.	258.	591.	<
7	2	16	96.	863.	662.	<
8	2	16	27.	-258.	716.	<
9	2	16	189.	831.	719.	<
10	2	16	60.	705.	975.	<
11	2	16	22.	122.	1043.	<
12	2	16	141.	1171.	940.	<
13	2	16	33.	751.	1099.	<
14	2	16	3.	-668.	1137.	<
15	2	16	14.	317.	1076.	<
16	2	16	21.	-1265.	1301.	<
17	2	16	162.	-1086.	1381.	<
18	2	16	25.	5882.	2351.	<
19	2	16	47.	1241.	2303.	<
1	3	16	2.	387.	531.	<

2	3	16	1087.	-73.	559.	<
3	3	16	112.	-66.	613.	<
4	3	16	158.	955.	728.	<
5	3	16	221.	-9.	646.	<
6	3	16	174.	1023.	632.	<
7	3	16	613.	594.	728.	<
8	3	16	115.	-432.	799.	<
9	3	16	411.	208.	891.	<
10	3	16	1022.	1608.	947.	<
11	3	16	38.	649.	868.	<
12	3	16	454.	404.	1017.	<
13	3	16	14.	-1575.	1038.	<
14	3	16	1823.	1478.	1066.	<
15	3	16	37.	-186.	1054.	<
16	3	16	132.	1337.	1134.	<
17	3	16	43.	67.	1843.	<
18	3	16	1943.	2136.	2555.	<
0	4	16	142923.	146300.	3509.	o
1	4	16	117019.	122296.	2343.	o
2	4	16	128200.	136924.	2226.	o
3	4	16	82023.	85837.	2237.	o
4	4	16	97718.	94542.	2290.	o
5	4	16	78632.	83183.	2277.	o
6	4	16	85649.	87981.	2348.	o
7	4	16	48266.	47769.	2095.	o
8	4	16	69909.	65988.	2315.	o
9	4	16	64671.	60156.	2447.	o
10	4	16	69372.	66371.	2613.	o
11	4	16	36304.	28857.	1908.	o
12	4	16	52778.	48329.	2479.	o
13	4	16	36656.	34698.	2242.	o
14	4	16	39688.	41256.	2475.	o
15	4	16	13741.	12489.	1570.	o
16	4	16	26665.	23906.	2735.	o
17	4	16	20386.	17750.	3785.	o
18	4	16	20286.	18432.	6025.	o
1	5	16	2037.	1486.	571.	<
2	5	16	2033.	2050.	556.	o
3	5	16	1295.	829.	539.	<
4	5	16	229.	29.	632.	<
5	5	16	72.	32.	682.	<
6	5	16	3414.	3087.	692.	o
7	5	16	1575.	2106.	737.	<
8	5	16	1878.	1869.	765.	<
9	5	16	285.	-225.	864.	<
10	5	16	1488.	1587.	997.	<
11	5	16	1097.	2996.	1034.	<
12	5	16	894.	261.	1007.	<
13	5	16	694.	186.	1097.	<
14	5	16	1251.	-1335.	1232.	<
15	5	16	377.	4933.	1416.	o
16	5	16	1933.	-2261.	2082.	<
17	5	16	1102.	-8246.	5428.	<
0	6	16	67.	987.	753.	<
1	6	16	88.	-362.	601.	<

2	6	16	253.	521.	603.	<
3	6	16	127.	194.	693.	<
4	6	16	287.	679.	786.	<
5	6	16	109.	261.	699.	<
6	6	16	11.	1317.	707.	<
7	6	16	324.	158.	704.	<
8	6	16	98.	-298.	865.	<
9	6	16	111.	947.	863.	<
10	6	16	32.	548.	854.	<
11	6	16	94.	59.	1101.	<
12	6	16	538.	1321.	1156.	<
13	6	16	1.	974.	1255.	<
14	6	16	160.	826.	1157.	<
15	6	16	40.	-1358.	2189.	<
16	6	16	8.	1304.	2321.	<
17	6	16	224.	-7938.	3916.	<
1	7	16	229.	-1721.	782.	<
2	7	16	549.	-1095.	732.	<
3	7	16	60.	881.	867.	<
4	7	16	50.	466.	806.	<
5	7	16	57.	-341.	718.	<
6	7	16	479.	1304.	787.	<
7	7	16	111.	419.	744.	<
8	7	16	202.	111.	846.	<
9	7	16	56.	93.	1014.	<
10	7	16	1885.	1703.	997.	<
11	7	16	228.	-1900.	1140.	<
12	7	16	881.	447.	1093.	<
13	7	16	38.	-886.	1206.	<
14	7	16	1061.	-3051.	1949.	<
15	7	16	16.	2328.	2199.	<
16	7	16	396.	6287.	2980.	<
0	8	16	80804.	70736.	3270.	o
1	8	16	71358.	71921.	2397.	o
2	8	16	109416.	118018.	2987.	o
3	8	16	92355.	98429.	2936.	o
4	8	16	110719.	111077.	2847.	o
5	8	16	90521.	89532.	2597.	o
6	8	16	89048.	86422.	2565.	o
7	8	16	48528.	45748.	2075.	o
8	8	16	57096.	52722.	2311.	o
9	8	16	41127.	37730.	2016.	o
10	8	16	40787.	32556.	2029.	o
11	8	16	21918.	16995.	1711.	o
12	8	16	48024.	44763.	2847.	o
13	8	16	42286.	39513.	3476.	o
14	8	16	47957.	48040.	4767.	o
15	8	16	22014.	17240.	3949.	o
1	9	16	446.	350.	796.	<
2	9	16	433.	1812.	887.	<
3	9	16	277.	-474.	852.	<
4	9	16	244.	-277.	806.	<
5	9	16	476.	1819.	805.	<
6	9	16	297.	659.	927.	<
7	9	16	20.	555.	860.	<

8	9	16	595.	455.	824.	<
9	9	16	14.	-1070.	897.	<
10	9	16	2487.	2556.	1117.	<
11	9	16	80.	-1087.	1303.	<
12	9	16	238.	-540.	1384.	<
13	9	16	662.	1219.	2006.	<
14	9	16	529.	-5791.	4557.	<
0	10	16	1353.	66.	1335.	<
1	10	16	224.	1556.	898.	<
2	10	16	249.	860.	885.	<
3	10	16	335.	249.	772.	<
4	10	16	207.	-586.	780.	<
5	10	16	416.	1273.	852.	<
6	10	16	45.	317.	857.	<
7	10	16	201.	449.	960.	<
8	10	16	532.	1516.	1100.	<
9	10	16	33.	-587.	994.	<
10	10	16	402.	444.	1276.	<
11	10	16	4.	-2704.	1492.	<
12	10	16	394.	8580.	5762.	<
1	11	16	126.	-688.	974.	<
2	11	16	1230.	455.	940.	<
3	11	16	1774.	1040.	920.	<
4	11	16	831.	1616.	944.	<
5	11	16	108.	83.	976.	<
6	11	16	657.	543.	988.	<
7	11	16	247.	573.	1047.	<
8	11	16	1307.	-198.	1093.	<
9	11	16	32.	-1374.	1482.	<
10	11	16	1552.	4546.	1914.	<
11	11	16	156.	2188.	3692.	<
0	12	16	90120.	96461.	4781.	o
1	12	16	75969.	82546.	2981.	o
2	12	16	98510.	103222.	3319.	o
3	12	16	77815.	80678.	3125.	o
4	12	16	90856.	97640.	3415.	o
5	12	16	70907.	74273.	3089.	o
6	12	16	72633.	76360.	3273.	o
7	12	16	45937.	46007.	3004.	o
8	12	16	55421.	48936.	3641.	o
9	12	16	40806.	35115.	4071.	o
10	12	16	46609.	40168.	7342.	o
1	13	16	2.	432.	1000.	<
2	13	16	189.	287.	983.	<
3	13	16	4.	1411.	1319.	<
4	13	16	20.	-1361.	1193.	<
5	13	16	336.	194.	1320.	<
6	13	16	97.	-410.	2213.	<
7	13	16	179.	-3444.	1728.	<
8	13	16	47.	-4367.	4106.	<
9	13	16	178.	5680.	3221.	<
0	14	16	1290.	-618.	1374.	<
1	14	16	355.	1486.	979.	<
2	14	16	273.	2669.	2431.	<
3	14	16	598.	2813.	2274.	<

1	1	17	3121.	3833.	563.	o
2	1	17	41.	-520.	520.	<
3	1	17	2911.	3199.	585.	o
4	1	17	275.	-998.	661.	<
5	1	17	5653.	6789.	736.	o
6	1	17	167.	35.	676.	<
7	1	17	166.	501.	730.	<
8	1	17	209.	480.	771.	<
9	1	17	1326.	413.	954.	<
10	1	17	1115.	-368.	937.	<
11	1	17	4526.	8007.	1198.	o
12	1	17	15.	459.	1023.	<
13	1	17	9948.	10977.	1357.	o
14	1	17	797.	-983.	1148.	<
15	1	17	5450.	3472.	1322.	<
16	1	17	89.	-2434.	1849.	<
17	1	17	2502.	185.	1773.	<
18	1	17	703.	1561.	3037.	<
0	2	17	350008.	377803.	5826.	o
1	2	17	10732.	19200.	1193.	o
2	2	17	211005.	225810.	3224.	o
3	2	17	7252.	10626.	871.	o
4	2	17	190260.	214583.	3761.	o
5	2	17	4005.	1580.	752.	<
6	2	17	154364.	159040.	3308.	o
7	2	17	8055.	6808.	960.	o
8	2	17	219435.	244100.	4754.	o
9	2	17	7273.	6372.	1019.	o
10	2	17	216976.	220357.	4978.	o
11	2	17	11024.	9512.	1284.	o
12	2	17	149701.	147421.	4235.	o
13	2	17	1379.	2345.	1157.	<
14	2	17	88292.	89362.	3322.	o
15	2	17	4099.	4219.	1293.	o
16	2	17	89447.	98113.	4878.	o
17	2	17	1864.	2514.	2059.	<
18	2	17	83818.	87497.	10352.	o
1	3	17	50.	-1049.	644.	<
2	3	17	115.	1103.	698.	<
3	3	17	10.	-302.	640.	<
4	3	17	108.	-367.	696.	<
5	3	17	5822.	6255.	853.	o
6	3	17	5.	90.	739.	<
7	3	17	4490.	4260.	827.	o
8	3	17	135.	-495.	911.	<
9	3	17	9386.	11800.	1280.	o
10	3	17	341.	-453.	964.	<
11	3	17	2253.	919.	984.	<
12	3	17	93.	-995.	1062.	<
13	3	17	6524.	7737.	1307.	o
14	3	17	1235.	2120.	1090.	<
15	3	17	8222.	7777.	1408.	o
16	3	17	12.	793.	1570.	<
17	3	17	6397.	5255.	2475.	<
0	4	17	410.	-60.	694.	<

1	4	17	38.	735.	577.	<
2	4	17	14.	-234.	558.	<
3	4	17	3.	159.	669.	<
4	4	17	9.	-157.	717.	<
5	4	17	136.	-647.	849.	<
6	4	17	61.	-477.	756.	<
7	4	17	2.	437.	800.	<
8	4	17	463.	261.	720.	<
9	4	17	1.	2332.	963.	<
10	4	17	79.	952.	905.	<
11	4	17	148.	133.	1069.	<
12	4	17	148.	1898.	1217.	<
13	4	17	21.	1752.	1070.	<
14	4	17	2.	-21.	1037.	<
15	4	17	6.	-3173.	1615.	<
16	4	17	300.	-1934.	2485.	<
17	4	17	7.	625.	2992.	<
1	5	17	4614.	5048.	737.	o
2	5	17	228.	757.	618.	<
3	5	17	4740.	3292.	832.	o
4	5	17	13.	-747.	817.	<
5	5	17	1806.	1483.	669.	<
6	5	17	324.	207.	748.	<
7	5	17	62.	-250.	712.	<
8	5	17	4.	-473.	790.	<
9	5	17	2938.	4147.	966.	o
10	5	17	298.	-1272.	966.	<
11	5	17	11557.	12255.	1403.	o
12	5	17	291.	-475.	1200.	<
13	5	17	13717.	15580.	1796.	o
14	5	17	398.	-2506.	1532.	<
15	5	17	2696.	299.	1911.	<
16	5	17	210.	4122.	4359.	<
17	5	17	1351.	21325.	7178.	<
0	6	17	177162.	192676.	4725.	o
1	6	17	5924.	9729.	1002.	o
2	6	17	143071.	138388.	3102.	o
3	6	17	6129.	6600.	1016.	o
4	6	17	164284.	183346.	3707.	o
5	6	17	2976.	2628.	732.	o
6	6	17	124113.	133274.	3005.	o
7	6	17	7077.	5666.	881.	o
8	6	17	130708.	138168.	3471.	o
9	6	17	2274.	2760.	1065.	<
10	6	17	105347.	99721.	3416.	o
11	6	17	6259.	6419.	1280.	o
12	6	17	119116.	118218.	4094.	o
13	6	17	2808.	1323.	1382.	<
14	6	17	94088.	101394.	5149.	o
15	6	17	4155.	5305.	2189.	<
16	6	17	70821.	84882.	11648.	o
1	7	17	101.	481.	640.	<
2	7	17	396.	603.	683.	<
3	7	17	14.	-1908.	844.	<
4	7	17	1.	669.	812.	<

5	7	17	3436.	3979.	840.	o
6	7	17	77.	-600.	808.	<
7	7	17	2670.	3833.	902.	o
8	7	17	289.	1252.	872.	<
9	7	17	10085.	9987.	1191.	o
10	7	17	137.	1326.	1058.	<
11	7	17	3940.	2786.	1247.	<
12	7	17	272.	86.	1105.	<
13	7	17	4590.	10384.	2294.	o
14	7	17	941.	207.	1897.	<
15	7	17	4046.	1989.	3412.	<
0	8	17	14.	-1862.	1215.	<
1	8	17	578.	1377.	900.	<
2	8	17	2.	274.	682.	<
3	8	17	93.	13.	825.	<
4	8	17	56.	1258.	778.	<
5	8	17	389.	-151.	751.	<
6	8	17	22.	2507.	952.	<
7	8	17	239.	316.	866.	<
8	8	17	206.	-1337.	1002.	<
9	8	17	87.	1444.	965.	<
10	8	17	5.	-2061.	953.	<
11	8	17	426.	716.	1472.	<
12	8	17	12.	367.	1672.	<
13	8	17	166.	1804.	2130.	<
14	8	17	19.	-4114.	2813.	<
1	9	17	1957.	1861.	831.	<
2	9	17	14.	560.	842.	<
3	9	17	1413.	423.	856.	<
4	9	17	5.	219.	783.	<
5	9	17	1614.	1518.	794.	<
6	9	17	147.	608.	866.	<
7	9	17	979.	1030.	836.	<
8	9	17	18.	578.	1043.	<
9	9	17	2378.	3873.	1026.	o
10	9	17	236.	1245.	1323.	<
11	9	17	5607.	4865.	1538.	o
12	9	17	4.	481.	2259.	<
13	9	17	5853.	9429.	4923.	<
0	10	17	131039.	135437.	5379.	o
1	10	17	3362.	7639.	1234.	o
2	10	17	145122.	148126.	3767.	o
3	10	17	6786.	8789.	1136.	o
4	10	17	199574.	224709.	4443.	o
5	10	17	7131.	8916.	1209.	o
6	10	17	163663.	173742.	4234.	o
7	10	17	7465.	8219.	1098.	o
8	10	17	142088.	140616.	4645.	o
9	10	17	2604.	-144.	1256.	<
10	10	17	92262.	83580.	4181.	o
11	10	17	3835.	6614.	2600.	<
12	10	17	107736.	120424.	12500.	o
1	11	17	2256.	2874.	1013.	<
2	11	17	8.	738.	956.	<
3	11	17	2177.	253.	905.	<

4	11	17	88.	-149.	936.	<
5	11	17	2405.	3220.	1080.	<
6	11	17	215.	1738.	1246.	<
7	11	17	72.	1574.	1180.	<
8	11	17	35.	350.	1248.	<
9	11	17	2421.	1062.	1460.	<
10	11	17	269.	-675.	2882.	<
0	12	17	159.	-950.	1564.	<
1	12	17	215.	822.	963.	<
2	12	17	12.	1649.	1064.	<
3	12	17	358.	318.	1319.	<
4	12	17	353.	-53.	1130.	<
5	12	17	472.	-92.	1073.	<
6	12	17	12.	-473.	1470.	<
7	12	17	459.	-1372.	1508.	<
8	12	17	36.	-436.	2017.	<
1	13	17	12.	568.	1076.	<
2	13	17	276.	1840.	1221.	<
3	13	17	19.	483.	1320.	<
4	13	17	3.	-1678.	1782.	<
5	13	17	1518.	6586.	2506.	<
6	13	17	33.	-4521.	2910.	<
1	14	17	3295.	-1923.	2466.	<
2	14	17	105898.	98965.	11290.	o
0	0	18	271694.	282672.	8527.	o
1	0	18	48018.	54670.	2592.	o
2	0	18	294442.	305528.	5565.	o
3	0	18	48400.	55668.	3014.	o
4	0	18	416887.	465553.	7018.	o
5	0	18	50586.	48605.	2579.	o
6	0	18	297666.	308104.	6093.	o
7	0	18	37430.	32844.	2424.	o
8	0	18	275093.	289706.	6904.	o
9	0	18	29000.	21982.	2319.	o
10	0	18	177547.	176151.	6129.	o
11	0	18	27696.	25820.	2606.	o
12	0	18	206134.	204846.	6918.	o
13	0	18	27379.	23870.	2663.	o
14	0	18	198079.	220566.	8471.	o
15	0	18	18940.	12303.	3108.	o
16	0	18	148414.	175761.	14676.	o
1	1	18	1712.	2520.	584.	o
2	1	18	361.	155.	546.	<
3	1	18	915.	1559.	683.	<
4	1	18	5.	-14.	693.	<
5	1	18	6431.	6676.	830.	o
6	1	18	359.	421.	722.	<
7	1	18	2324.	256.	794.	<
8	1	18	123.	-173.	812.	<
9	1	18	10768.	13297.	1308.	o
10	1	18	160.	1766.	929.	<
11	1	18	9799.	10784.	1344.	o
12	1	18	202.	-693.	1243.	<
13	1	18	9193.	5195.	1247.	o
14	1	18	19.	-1830.	1224.	<

15	1	18	6273.	2208.	1415.	<
16	1	18	40.	397.	1916.	<
17	1	18	7645.	4625.	2725.	<
0	2	18	38.	-91.	768.	<
1	2	18	76.	-428.	599.	<
2	2	18	1.	-539.	591.	<
3	2	18	0.	196.	642.	<
4	2	18	10.	-521.	779.	<
5	2	18	11.	963.	807.	<
6	2	18	8.	570.	749.	<
7	2	18	2.	899.	809.	<
8	2	18	81.	33.	876.	<
9	2	18	42.	271.	940.	<
10	2	18	138.	1887.	1063.	<
11	2	18	18.	-41.	1004.	<
12	2	18	152.	-323.	1147.	<
13	2	18	7.	1135.	1215.	<
14	2	18	8.	798.	1266.	<
15	2	18	1.	1861.	1490.	<
16	2	18	54.	-3007.	2258.	<
1	3	18	244.	-217.	697.	<
2	3	18	140.	648.	825.	<
3	3	18	1261.	1809.	898.	<
4	3	18	10.	741.	658.	<
5	3	18	6219.	7608.	926.	o
6	3	18	464.	-948.	648.	<
7	3	18	9752.	12301.	1175.	o
8	3	18	876.	-415.	816.	<
9	3	18	17558.	19507.	1588.	o
10	3	18	349.	261.	1039.	<
11	3	18	3835.	5514.	1066.	o
12	3	18	17.	442.	1078.	<
13	3	18	3051.	5940.	1335.	o
14	3	18	85.	-2027.	1364.	<
15	3	18	6782.	3218.	2772.	<
16	3	18	145.	752.	2202.	<
0	4	18	343567.	378843.	6304.	o
1	4	18	46251.	53661.	1918.	o
2	4	18	282901.	279430.	4557.	o
3	4	18	44111.	45514.	1997.	o
4	4	18	296914.	321132.	4979.	o
5	4	18	36737.	35491.	1758.	o
6	4	18	214902.	220751.	4122.	o
7	4	18	33802.	31730.	1698.	o
8	4	18	244120.	254300.	4725.	o
9	4	18	30979.	25423.	1647.	o
10	4	18	194654.	193928.	4583.	o
11	4	18	27060.	26326.	1976.	o
12	4	18	208599.	217491.	5356.	o
13	4	18	24455.	21712.	2215.	o
14	4	18	162623.	161266.	6435.	o
15	4	18	16262.	11546.	2625.	o
16	4	18	119057.	132765.	12490.	o
1	5	18	3672.	2929.	691.	o
2	5	18	259.	-668.	773.	<

3	5	18	1083.	1249.	743.	<
4	5	18	72.	62.	873.	<
5	5	18	3696.	4591.	813.	o
6	5	18	350.	1296.	756.	<
7	5	18	1939.	2498.	817.	o
8	5	18	208.	-860.	881.	<
9	5	18	9047.	10642.	1244.	o
10	5	18	352.	837.	1100.	<
11	5	18	12966.	11445.	1540.	o
12	5	18	424.	-586.	1249.	<
13	5	18	13170.	12803.	2183.	o
14	5	18	75.	1179.	1659.	<
15	5	18	5345.	4977.	2315.	<
0	6	18	0.	169.	996.	<
1	6	18	140.	714.	682.	<
2	6	18	9.	-1501.	833.	<
3	6	18	4.	3.	754.	<
4	6	18	41.	-56.	750.	<
5	6	18	32.	302.	736.	<
6	6	18	30.	269.	799.	<
7	6	18	16.	-251.	833.	<
8	6	18	71.	1021.	900.	<
9	6	18	244.	-111.	960.	<
10	6	18	0.	-1828.	1030.	<
11	6	18	82.	-846.	1214.	<
12	6	18	215.	2059.	1559.	<
13	6	18	2.	-1853.	1825.	<
14	6	18	8.	5061.	2287.	<
15	6	18	10.	4364.	4250.	<
1	7	18	58.	-1447.	756.	<
2	7	18	81.	563.	772.	<
3	7	18	950.	306.	880.	<
4	7	18	56.	338.	765.	<
5	7	18	3780.	5279.	919.	o
6	7	18	562.	-539.	920.	<
7	7	18	9999.	10058.	1177.	o
8	7	18	594.	-1133.	970.	<
9	7	18	14101.	12297.	1359.	o
10	7	18	376.	-1492.	1137.	<
11	7	18	2890.	4306.	1622.	<
12	7	18	22.	-1873.	1556.	<
13	7	18	3939.	5591.	2177.	<
14	7	18	274.	-3307.	2414.	<
0	8	18	372362.	395216.	8874.	o
1	8	18	43543.	49269.	2134.	o
2	8	18	244513.	243110.	4472.	o
3	8	18	34280.	34702.	1960.	o
4	8	18	203072.	201081.	3993.	o
5	8	18	27614.	20557.	1467.	o
6	8	18	163283.	152973.	3868.	o
7	8	18	27582.	22292.	1553.	o
8	8	18	221694.	222520.	4821.	o
9	8	18	31101.	27786.	1861.	o
10	8	18	217203.	218195.	5598.	o
11	8	18	24771.	21768.	2547.	o

12	8	18	178115.	192218.	8816.	o
13	8	18	18193.	16179.	3736.	o
1	9	18	838.	1907.	852.	<
2	9	18	98.	-116.	804.	<
3	9	18	208.	-569.	961.	<
4	9	18	127.	683.	855.	<
5	9	18	5127.	5414.	902.	o
6	9	18	163.	-1213.	864.	<
7	9	18	3904.	3955.	907.	o
8	9	18	478.	-283.	847.	<
9	9	18	6200.	6096.	1426.	o
10	9	18	122.	85.	1155.	<
11	9	18	4632.	3350.	2211.	<
12	9	18	13.	2791.	2845.	<
0	10	18	43.	-1152.	1418.	<
1	10	18	192.	1013.	918.	<
2	10	18	7.	708.	1055.	<
3	10	18	62.	251.	785.	<
4	10	18	1.	13.	963.	<
5	10	18	299.	-1239.	1061.	<
6	10	18	15.	1190.	1240.	<
7	10	18	84.	-948.	1212.	<
8	10	18	37.	-121.	1274.	<
9	10	18	331.	2373.	1487.	<
10	10	18	27.	1287.	1765.	<
11	10	18	185.	4932.	3662.	<
1	11	18	658.	1039.	1099.	<
2	11	18	13.	642.	914.	<
3	11	18	1235.	1109.	1122.	<
4	11	18	47.	605.	1155.	<
5	11	18	3176.	2784.	1196.	<
6	11	18	85.	1402.	1236.	<
7	11	18	1583.	2460.	1402.	<
8	11	18	51.	3195.	1838.	<
9	11	18	3852.	2541.	2410.	<
0	12	18	254795.	264793.	8830.	o
1	12	18	32108.	33636.	2259.	o
2	12	18	188957.	180162.	5590.	o
3	12	18	26718.	26807.	2553.	o
4	12	18	179405.	179206.	6132.	o
5	12	18	26220.	25044.	2513.	o
6	12	18	149492.	137256.	9135.	o
7	12	18	21636.	17627.	5228.	o
1	13	18	36.	1011.	1634.	<
2	13	18	66.	2050.	1400.	<
3	13	18	98.	2348.	3977.	<
1	1	19	897.	1612.	824.	<
2	1	19	37.	229.	755.	<
3	1	19	117.	1432.	772.	<
4	1	19	461.	1359.	868.	<
5	1	19	3048.	2162.	918.	<
6	1	19	533.	126.	879.	<
7	1	19	1177.	491.	871.	<
8	1	19	1238.	1472.	895.	<
9	1	19	1242.	960.	952.	<

10	1	19	152.	-3370.	1045.	<
11	1	19	1299.	2568.	1081.	<
12	1	19	582.	175.	991.	<
13	1	19	2501.	5219.	1471.	o
14	1	19	265.	1003.	1434.	<
15	1	19	2175.	-4165.	2950.	<
16	1	19	665.	-296.	3515.	<
0	2	19	5258.	5183.	1108.	o
1	2	19	11479.	13132.	1087.	o
2	2	19	16469.	15124.	1262.	o
3	2	19	15748.	14996.	1345.	o
4	2	19	9708.	7467.	1070.	o
5	2	19	13560.	12464.	1290.	o
6	2	19	11913.	9821.	1200.	o
7	2	19	5300.	4319.	923.	o
8	2	19	1881.	736.	890.	<
9	2	19	3018.	3256.	986.	o
10	2	19	2332.	1275.	1060.	<
11	2	19	1462.	249.	1194.	<
12	2	19	3635.	2098.	1119.	<
13	2	19	7484.	7965.	1637.	o
14	2	19	7763.	6275.	1984.	o
15	2	19	2967.	4336.	1761.	<
1	3	19	141.	164.	753.	<
2	3	19	2053.	1333.	854.	<
3	3	19	946.	-52.	872.	<
4	3	19	39.	282.	768.	<
5	3	19	1841.	2713.	910.	<
6	3	19	792.	236.	758.	<
7	3	19	3073.	2363.	910.	<
8	3	19	3849.	2922.	1010.	<
9	3	19	4442.	3763.	1143.	o
10	3	19	25.	-285.	1003.	<
11	3	19	53.	849.	1186.	<
12	3	19	386.	626.	1378.	<
13	3	19	276.	1479.	1325.	<
14	3	19	39.	374.	2726.	<
15	3	19	1464.	3574.	2731.	<
0	4	19	2.	-59.	943.	<
1	4	19	16.	491.	762.	<
2	4	19	3.	-372.	801.	<
3	4	19	376.	-98.	748.	<
4	4	19	4.	-663.	811.	<
5	4	19	37.	214.	932.	<
6	4	19	17.	-2711.	889.	<
7	4	19	17.	761.	873.	<
8	4	19	127.	1091.	959.	<
9	4	19	44.	-1062.	962.	<
10	4	19	10.	-2230.	1126.	<
11	4	19	104.	727.	1295.	<
12	4	19	139.	874.	1583.	<
13	4	19	480.	3050.	1834.	<
14	4	19	10.	1517.	2253.	<
15	4	19	22.	-6496.	3007.	<
1	5	19	1325.	1699.	860.	<

2	5	19	297.	-519.	781.	<
3	5	19	140.	808.	848.	<
4	5	19	9.	479.	800.	<
5	5	19	613.	-161.	753.	<
6	5	19	11.	-215.	819.	<
7	5	19	205.	1057.	886.	<
8	5	19	75.	590.	947.	<
9	5	19	1490.	-674.	957.	<
10	5	19	415.	-231.	1141.	<
11	5	19	2134.	3792.	1616.	<
12	5	19	931.	176.	1309.	<
13	5	19	2275.	2508.	1745.	<
14	5	19	92.	-3523.	2646.	<
0	6	19	3173.	1495.	1037.	<
1	6	19	6993.	4496.	801.	o
2	6	19	7994.	6035.	981.	o
3	6	19	2520.	1741.	875.	<
4	6	19	485.	-340.	905.	<
5	6	19	745.	-25.	848.	<
6	6	19	1798.	835.	1062.	<
7	6	19	765.	-512.	928.	<
8	6	19	1368.	352.	1010.	<
9	6	19	2917.	1338.	975.	<
10	6	19	2776.	3169.	1084.	<
11	6	19	567.	-146.	1368.	<
12	6	19	525.	1948.	1517.	<
13	6	19	315.	4786.	1969.	<
1	7	19	38.	231.	870.	<
2	7	19	1085.	195.	925.	<
3	7	19	752.	849.	914.	<
4	7	19	110.	-292.	902.	<
5	7	19	1304.	-1051.	779.	<
6	7	19	454.	-189.	885.	<
7	7	19	2496.	2029.	885.	<
8	7	19	2556.	2714.	1033.	<
9	7	19	4691.	6123.	1294.	o
10	7	19	186.	-2230.	1159.	<
11	7	19	404.	184.	1276.	<
12	7	19	41.	-3155.	2004.	<
13	7	19	139.	4866.	2922.	<
0	8	19	75.	329.	1399.	<
1	8	19	262.	1252.	896.	<
2	8	19	105.	-1115.	975.	<
3	8	19	291.	-170.	937.	<
4	8	19	193.	-1400.	822.	<
5	8	19	88.	1761.	904.	<
6	8	19	125.	160.	858.	<
7	8	19	173.	2439.	1102.	<
8	8	19	321.	694.	1211.	<
9	8	19	110.	132.	1212.	<
10	8	19	12.	-1630.	1472.	<
11	8	19	70.	-1019.	1650.	<
12	8	19	5.	-5024.	2968.	<
1	9	19	299.	-687.	1008.	<
2	9	19	3.	-3101.	1236.	<

3	9	19	3.	424.	1111.	<
4	9	19	2.	677.	951.	<
5	9	19	647.	200.	1027.	<
6	9	19	146.	-1863.	1123.	<
7	9	19	609.	1888.	1163.	<
8	9	19	473.	161.	1318.	<
9	9	19	1806.	1128.	1664.	<
10	9	19	174.	-250.	1825.	<
11	9	19	794.	3337.	4460.	<
0	10	19	20097.	19164.	2598.	o
1	10	19	21925.	25875.	2036.	o
2	10	19	14438.	14178.	1877.	o
3	10	19	5714.	3439.	1284.	<
4	10	19	1092.	-131.	1310.	<
5	10	19	2741.	2803.	1183.	<
6	10	19	2242.	1280.	1411.	<
7	10	19	2822.	2571.	1668.	<
8	10	19	3148.	3824.	1656.	<
9	10	19	8954.	11764.	2384.	o
1	11	19	285.	1180.	991.	<
2	11	19	83.	2252.	1397.	<
3	11	19	229.	-898.	1643.	<
4	11	19	208.	-999.	1490.	<
5	11	19	1293.	375.	1863.	<
6	11	19	39.	316.	1466.	<
7	11	19	363.	542.	1909.	<
0	12	19	32.	-841.	2416.	<
1	12	19	762.	2881.	1534.	<
2	12	19	75.	-1124.	1600.	<
3	12	19	155.	-514.	1667.	<
4	12	19	205.	-464.	2376.	<
0	0	20	5548.	27607.	4487.	o
1	0	20	301614.	284421.	8614.	o
2	0	20	5761.	14374.	2080.	o
3	0	20	197646.	190258.	6195.	o
4	0	20	1387.	1822.	1326.	<
5	0	20	185512.	187555.	6972.	o
6	0	20	2912.	1199.	1318.	<
7	0	20	192446.	202537.	6823.	o
8	0	20	3798.	3752.	1430.	<
9	0	20	244106.	259015.	8811.	o
10	0	20	4377.	7438.	2115.	o
11	0	20	172158.	160184.	8155.	o
12	0	20	3211.	11484.	2913.	o
13	0	20	111105.	97160.	8021.	o
14	0	20	628.	-270.	3074.	<
1	1	20	0.	3302.	1092.	o
2	1	20	236.	-167.	848.	<
3	1	20	4.	-657.	868.	<
4	1	20	54.	568.	1022.	<
5	1	20	34.	-793.	1055.	<
6	1	20	1437.	733.	982.	<
7	1	20	51.	-1099.	1042.	<
8	1	20	1752.	1144.	1105.	<
9	1	20	31.	-70.	1165.	<

10	1	20	3201.	1924.	1049.	<
11	1	20	20.	1627.	1203.	<
12	1	20	1788.	1718.	1286.	<
13	1	20	10.	2623.	1637.	<
14	1	20	8726.	9479.	3038.	o
0	2	20	43.	107.	1306.	<
1	2	20	10.	1725.	1114.	<
2	2	20	31.	1352.	922.	<
3	2	20	8.	-1213.	966.	<
4	2	20	6.	-237.	1040.	<
5	2	20	98.	1000.	943.	<
6	2	20	0.	-374.	981.	<
7	2	20	3.	670.	1064.	<
8	2	20	1.	1549.	1036.	<
9	2	20	44.	-277.	977.	<
10	2	20	67.	-1580.	1126.	<
11	2	20	54.	-96.	1303.	<
12	2	20	42.	1739.	1357.	<
13	2	20	191.	2540.	2070.	<
14	2	20	33.	-8222.	4457.	<
1	3	20	92.	-1958.	1155.	<
2	3	20	3123.	4314.	1155.	o
3	3	20	132.	1476.	976.	<
4	3	20	651.	585.	921.	<
5	3	20	28.	-245.	922.	<
6	3	20	205.	1151.	914.	<
7	3	20	15.	430.	952.	<
8	3	20	177.	535.	1047.	<
9	3	20	373.	-960.	1031.	<
10	3	20	3067.	824.	1139.	<
11	3	20	20.	980.	1401.	<
12	3	20	6855.	3273.	1666.	<
13	3	20	25.	-7326.	2715.	<
14	3	20	9832.	8924.	3214.	<
0	4	20	4124.	15465.	3171.	o
1	4	20	263112.	248164.	6193.	o
2	4	20	3945.	14140.	1978.	o
3	4	20	244047.	252455.	5775.	o
4	4	20	3388.	7040.	1161.	o
5	4	20	261072.	278012.	5428.	o
6	4	20	5349.	4889.	1109.	o
7	4	20	232309.	241493.	5422.	o
8	4	20	3846.	3649.	1109.	o
9	4	20	234079.	242537.	5987.	o
10	4	20	3929.	3795.	1365.	<
11	4	20	158505.	150169.	6735.	o
12	4	20	1628.	371.	1952.	<
13	4	20	124839.	116253.	8197.	o
1	5	20	50.	1231.	1102.	<
2	5	20	627.	-11.	1119.	<
3	5	20	1.	-1752.	979.	<
4	5	20	59.	655.	1053.	<
5	5	20	3.	-1197.	1011.	<
6	5	20	2107.	2836.	957.	<
7	5	20	3.	1845.	1116.	<

8	5	20	1462.	1534.	993.	<
9	5	20	19.	-535.	1348.	<
10	5	20	2279.	3134.	1494.	<
11	5	20	254.	-271.	1595.	<
12	5	20	585.	3910.	2038.	<
13	5	20	99.	-3759.	2984.	<
0	6	20	31.	604.	1492.	<
1	6	20	4.	1899.	1150.	<
2	6	20	0.	-1111.	1118.	<
3	6	20	46.	500.	1007.	<
4	6	20	0.	430.	1048.	<
5	6	20	3.	-668.	1015.	<
6	6	20	22.	1007.	968.	<
7	6	20	6.	-2569.	1238.	<
8	6	20	45.	225.	1223.	<
9	6	20	125.	566.	1635.	<
10	6	20	81.	-18.	1375.	<
11	6	20	82.	2783.	1628.	<
12	6	20	4.	-1784.	2253.	<
1	7	20	3.	512.	1091.	<
2	7	20	2295.	1513.	1094.	<
3	7	20	353.	824.	886.	<
4	7	20	497.	912.	987.	<
5	7	20	15.	-1674.	1044.	<
6	7	20	187.	1631.	1173.	<
7	7	20	94.	79.	1189.	<
8	7	20	222.	677.	1177.	<
9	7	20	158.	3376.	1591.	<
10	7	20	2805.	561.	1581.	<
11	7	20	19.	-5517.	2602.	<
0	8	20	1508.	8746.	2276.	o
1	8	20	182355.	166735.	4567.	o
2	8	20	3431.	8173.	1434.	o
3	8	20	228550.	219535.	5856.	o
4	8	20	4137.	10085.	1560.	o
5	8	20	258797.	279597.	6530.	o
6	8	20	5126.	2485.	1224.	<
7	8	20	201640.	199260.	6594.	o
8	8	20	3084.	3931.	1343.	<
9	8	20	160672.	146946.	6549.	o
10	8	20	1904.	-1931.	1891.	<
1	9	20	26.	1980.	1219.	<
2	9	20	173.	275.	1331.	<
3	9	20	33.	-289.	1138.	<
4	9	20	114.	-962.	1231.	<
5	9	20	1.	1547.	1224.	<
6	9	20	493.	4707.	1617.	<
7	9	20	1.	-2406.	1690.	<
8	9	20	812.	1399.	1833.	<
9	9	20	6.	2512.	3005.	<
0	10	20	19.	3308.	2129.	<
1	10	20	4.	1158.	1672.	<
2	10	20	1.	-1643.	1664.	<
3	10	20	1.	1797.	1435.	<
4	10	20	14.	-405.	1315.	<

5	10	20	74.	-877.	1453.	<
6	10	20	25.	-3107.	1758.	<
7	10	20	3.	6724.	3646.	<
1	11	20	126.	-1012.	1980.	<
2	11	20	89.	-2554.	1740.	<
3	11	20	0.	-2661.	1974.	<
1	1	21	10.	339.	1197.	<
2	1	21	1297.	800.	1145.	<
3	1	21	11.	-1110.	1283.	<
4	1	21	1271.	412.	1049.	<
5	1	21	108.	-684.	1093.	<
6	1	21	556.	-204.	875.	<
7	1	21	173.	649.	1134.	<
8	1	21	1356.	1516.	1040.	<
9	1	21	50.	2478.	1458.	<
10	1	21	2003.	3205.	1545.	<
11	1	21	12.	-2445.	1823.	<
12	1	21	224.	1267.	1849.	<
0	2	21	19345.	18186.	2579.	o
1	2	21	112188.	110707.	4009.	o
2	2	21	28121.	32119.	2505.	o
3	2	21	125842.	128129.	4658.	o
4	2	21	21727.	18405.	1831.	o
5	2	21	110083.	106101.	3874.	o
6	2	21	21638.	19521.	1650.	o
7	2	21	68557.	68198.	3093.	o
8	2	21	13474.	7714.	1393.	o
9	2	21	56255.	47069.	3123.	o
10	2	21	13725.	11386.	2093.	o
11	2	21	45931.	42313.	3824.	o
12	2	21	14391.	9725.	4864.	<
1	3	21	87.	-616.	1220.	<
2	3	21	184.	1139.	1117.	<
3	3	21	36.	-1338.	1071.	<
4	3	21	42.	953.	1196.	<
5	3	21	133.	499.	949.	<
6	3	21	60.	217.	1138.	<
7	3	21	25.	-88.	1132.	<
8	3	21	213.	3093.	1257.	<
9	3	21	165.	-625.	1453.	<
10	3	21	945.	426.	1903.	<
11	3	21	6.	2365.	2200.	<
0	4	21	787.	-1387.	1921.	<
1	4	21	2.	276.	1248.	<
2	4	21	9.	-722.	1326.	<
3	4	21	57.	2836.	1279.	<
4	4	21	19.	-1067.	1267.	<
5	4	21	63.	-111.	1086.	<
6	4	21	131.	-950.	1310.	<
7	4	21	40.	-1466.	1751.	<
8	4	21	73.	-880.	1484.	<
9	4	21	30.	-1805.	2340.	<
10	4	21	168.	-5390.	2739.	<
11	4	21	99.	-1761.	2090.	<
1	5	21	149.	2164.	1296.	<

2	5	21	2836.	534.	1252.	<
3	5	21	197.	-562.	1360.	<
4	5	21	577.	2275.	1518.	<
5	5	21	41.	-648.	1277.	<
6	5	21	1410.	-2987.	1541.	<
7	5	21	130.	-696.	1556.	<
8	5	21	1712.	1868.	1725.	<
9	5	21	84.	-2356.	2100.	<
10	5	21	336.	-221.	1830.	<
11	5	21	389.	1006.	2005.	<
0	6	21	27320.	28374.	3346.	o
1	6	21	142309.	151500.	4916.	o
2	6	21	27400.	28210.	2415.	o
3	6	21	108075.	113431.	5497.	o
4	6	21	19146.	17775.	2655.	o
5	6	21	91786.	105286.	6592.	o
6	6	21	19292.	15736.	2785.	o
7	6	21	72454.	67790.	6433.	o
8	6	21	15003.	7041.	2165.	o
9	6	21	85429.	82917.	5781.	o
10	6	21	19023.	21521.	4067.	o
1	7	21	67.	4125.	1952.	<
2	7	21	201.	-568.	1512.	<
3	7	21	2.	230.	2020.	<
4	7	21	30.	576.	1731.	<
5	7	21	84.	760.	1761.	<
6	7	21	117.	1310.	1973.	<
7	7	21	6.	-2020.	2129.	<
8	7	21	166.	-317.	2297.	<
9	7	21	258.	4895.	2370.	<
0	8	21	851.	633.	3634.	<
1	8	21	6.	-2522.	3069.	<
2	8	21	125.	1557.	2705.	<
3	8	21	3.	-74.	1735.	<
4	8	21	217.	2591.	2151.	<
5	8	21	1.	214.	1531.	<
6	8	21	48.	1269.	2034.	<
7	8	21	4.	-1038.	2639.	<
1	9	21	133.	6515.	4581.	<
2	9	21	630.	3124.	3780.	<
3	9	21	33.	6752.	3345.	<
4	9	21	219.	-873.	1935.	<
5	9	21	6.	333.	3140.	<
1	10	21	120205.	111673.	12635.	o
2	10	21	19504.	15548.	5203.	<
3	10	21	67573.	55031.	9498.	o
0	0	22	38489.	49331.	5607.	o
1	0	22	14926.	14390.	2370.	o
2	0	22	40660.	34096.	3412.	o
3	0	22	29952.	25196.	2926.	o
4	0	22	65267.	68795.	5364.	o
5	0	22	26211.	25221.	3999.	o
6	0	22	43038.	43675.	7143.	o
7	0	22	25282.	18043.	5198.	o
8	0	22	39122.	26067.	4182.	o

9	0	22	11145.	8253.	2990.	<
10	0	22	23060.	21882.	4234.	o
11	0	22	12444.	8169.	2885.	<
1	1	22	1992.	1335.	1028.	<
2	1	22	508.	1484.	1078.	<
3	1	22	1907.	2574.	1244.	<
4	1	22	867.	-575.	1334.	<
5	1	22	2877.	5069.	1787.	<
6	1	22	19.	-1762.	1698.	<
7	1	22	711.	1722.	2100.	<
8	1	22	237.	1816.	2002.	<
9	1	22	3329.	2774.	1651.	<
10	1	22	581.	2462.	1764.	<
11	1	22	6093.	-48.	3438.	<
0	2	22	4.	-712.	1623.	<
1	2	22	1.	-393.	1124.	<
2	2	22	2.	2179.	1225.	<
3	2	22	38.	-1815.	1276.	<
4	2	22	32.	2346.	1419.	<
5	2	22	6.	950.	1760.	<
6	2	22	28.	1358.	1475.	<
7	2	22	179.	722.	1717.	<
8	2	22	1.	-283.	1474.	<
9	2	22	54.	-3088.	1937.	<
10	2	22	46.	141.	2416.	<
1	3	22	146.	-1332.	1237.	<
2	3	22	156.	2919.	1318.	<
3	3	22	54.	958.	1220.	<
4	3	22	72.	-1546.	1750.	<
5	3	22	3157.	4417.	1575.	<
6	3	22	543.	1429.	2104.	<
7	3	22	3108.	5074.	2199.	<
8	3	22	1651.	12481.	6162.	<
9	3	22	5223.	4314.	2759.	<
10	3	22	499.	4969.	2943.	<
0	4	22	81507.	100914.	8085.	o
1	4	22	35702.	33266.	3459.	o
2	4	22	61948.	69435.	4818.	o
3	4	22	33700.	31656.	3851.	o
4	4	22	68292.	84116.	7434.	o
5	4	22	26209.	22306.	3231.	o
6	4	22	48409.	56245.	6155.	o
7	4	22	25143.	17844.	4810.	o
1	5	22	2276.	2983.	2227.	<
2	5	22	768.	3063.	3163.	<
3	5	22	1663.	5391.	3150.	<
4	5	22	506.	3772.	3634.	<
5	5	22	1821.	6106.	2590.	<
6	5	22	16.	1779.	2140.	<
7	5	22	274.	197.	2561.	<
0	6	22	22.	926.	1964.	<
1	6	22	2.	-4133.	2143.	<
2	6	22	65.	-127.	2262.	<
3	6	22	78.	1106.	2656.	<
4	6	22	168.	-1473.	2007.	<

5	6	22	25.	-139.	1810.	<
6	6	22	23.	-4025.	2051.	<
1	7	22	30.	-5228.	4877.	<
2	7	22	371.	-1182.	2965.	<
3	7	22	72.	426.	2289.	<
4	7	22	41.	-1228.	1788.	<
5	7	22	2075.	-1285.	2517.	<
6	7	22	215.	1072.	2492.	<
0	8	22	85296.	86666.	10912.	o
1	8	22	37852.	36372.	6892.	o
2	8	22	52590.	48532.	8692.	o
3	8	22	22468.	18365.	4295.	o
4	8	22	43196.	42900.	7305.	o
1	1	23	490.	-500.	1618.	<
2	1	23	290.	-1398.	1967.	<
3	1	23	341.	-806.	1857.	<
4	1	23	105.	-2837.	2491.	<
5	1	23	2754.	2123.	2071.	<
6	1	23	77.	-268.	2130.	<
7	1	23	1825.	3368.	2256.	<
8	1	23	24.	-3896.	2873.	<
0	2	23	336697.	356478.	14582.	o
1	2	23	1334.	14486.	3320.	o
2	2	23	260914.	260195.	10217.	o
3	2	23	446.	8504.	2512.	o
4	2	23	256270.	263264.	12376.	o
5	2	23	718.	6374.	2453.	<
6	2	23	230909.	232450.	15744.	o
1	3	23	37.	966.	2165.	<
2	3	23	5.	1686.	3628.	<
0	6	23	237608.	191431.	15762.	o
1	6	23	674.	4785.	4387.	<
2	6	23	221630.	194483.	17042.	o
3	6	23	935.	2442.	3672.	<
0	0	24	13031.	20476.	5446.	o
1	0	24	1174.	3374.	2244.	<
2	0	24	7338.	9662.	3299.	<
3	0	24	56.	730.	2754.	<
4	0	24	66.	6212.	4439.	<
5	0	24	36.	-5370.	2776.	<
1	1	24	156.	328.	1949.	<
2	1	24	1.	-6001.	3774.	<
3	1	24	78.	2645.	2533.	<
4	1	24	49.	2534.	2739.	<
5	1	24	501.	-1812.	2742.	<
0	2	24	30.	6179.	3419.	<
1	2	24	100.	-4905.	4092.	<
2	2	24	1.	3583.	3289.	<