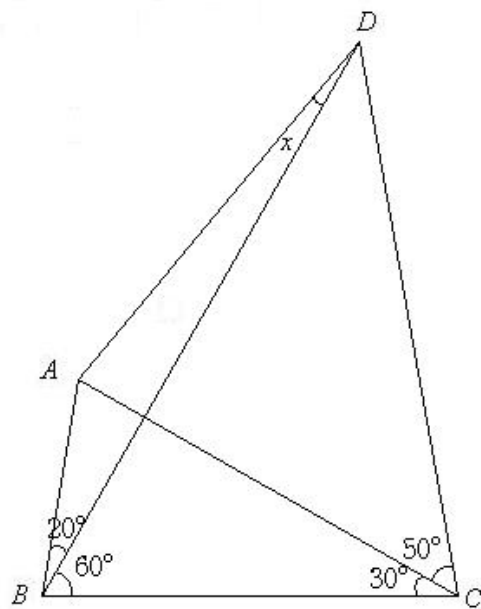
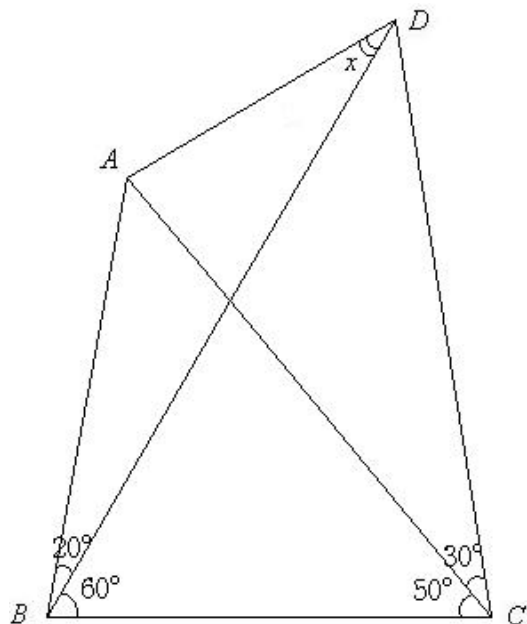


1 はじめに

整角四角形問題（左図）との最初の出会いは、私が中3か高1のときで、友人から教えてもらった。高1のときに、 $\angle BCA$ と $\angle ACD$ の大きさを入換えた問題（右図）を自分で考え、初等的に求められたときは嬉しかった。また、三角関数を利用した解法もこの頃考えた。



第75回数学教育実践研究会（2010/11/27）で発表したとき、次回（2011/1/29）の予告として左図の角度を求める問題を紹介した。研究会終了後、この問題はラングレーの問題ということに参加していた先生から教えていただいた。

帰宅後、早速 HP で検索し、この類の問題をラングレーの問題（整角四角形問題）ということを知った。

2 ラングレーの問題

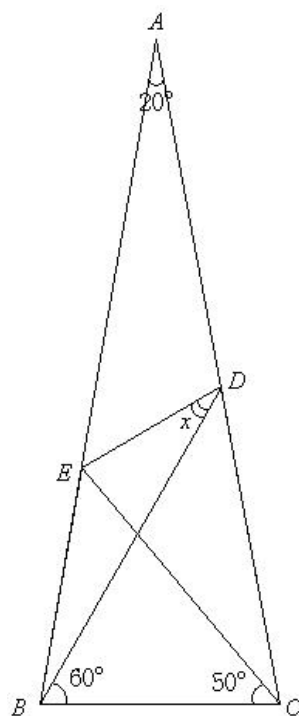
この問題は、1922年の The Mathematical Gazette 10月号にラングレーによって"A Problem"のタイトルで発表され、翌年5月号の特集記事で複数の解法が紹介された。

日本では1967年に数学セミナー誌の「エレガントな解答を求む」コーナーで初めて出題されている。

Aを中心としてABを半径とする円を描くと、BCはその円に内接する正十八角形の1辺となり、問題に登場する他の線は同じ正十八角形の対角線の一部になる。

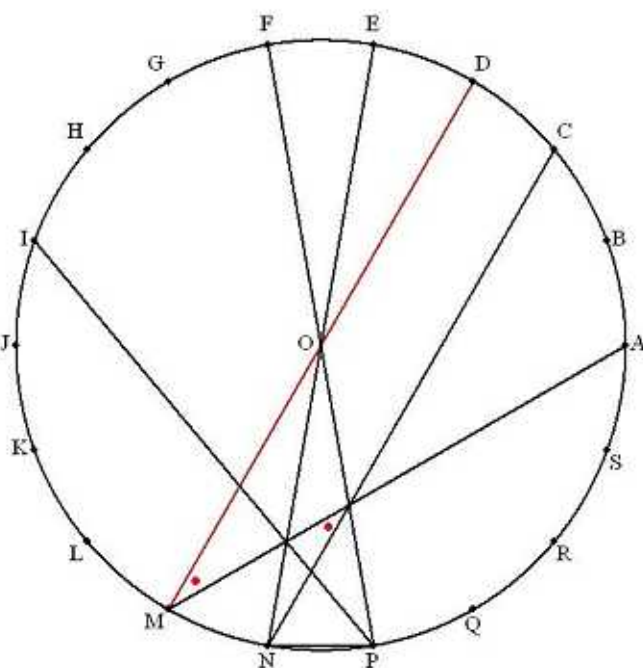
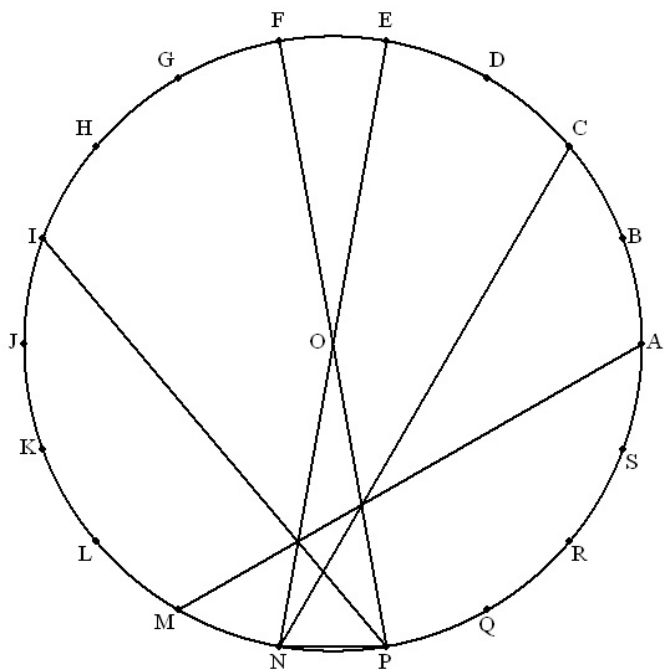
ラングレーの三角形 $\triangle ABC$ （左図）は、次のページの $\triangle ONP$ に対応する。角 x は正十八角形の対角線 AM, CN のなす角（劣角）であるから、次のとおり容易に $x = 30^\circ$ とわかる。

（説明）次のページの図で、直径 DM を引くと、 $DM \perp CN$ であるから、対角線 CN と AM の交角（劣角）は $\angle AMD$ に等しい（錯角）。円に内接する正十八角形の一辺の上に立つ円周角（優弧にできる円周角）は 10° であるから、



（ $AB = AC$ の二等辺三角形）▲

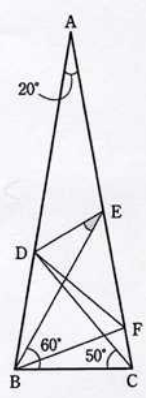
$$\angle AMD = 3\angle AMB = 3 \times 10^\circ = 30^\circ$$



また、この問題は本校で使用している問題集にも含まれていて、改めて有名な問題だと認識した。

3 右の図において、 $\triangle ABC$ は $AB=AC$ の二等辺三角形で、 $\angle A=20^\circ$ 、 $\angle EBC=60^\circ$ 、 $\angle DCB=50^\circ$ である。線分 CE 上に、 $BC=BF$ となるような点 F をとる。次の問いに答えなさい。

- (1) $\triangle DBF$ は正三角形であることを証明しなさい。
 □(2) $DF=EF$ であることを証明しなさい。
 □(3) $\angle DEB$ の大きさを求めなさい。



三訂版 体系問題集
 数学 I 幾何編
 発展 (数研出版)
 第 4 章 三角形と四
 角形総合問題 (P.93)

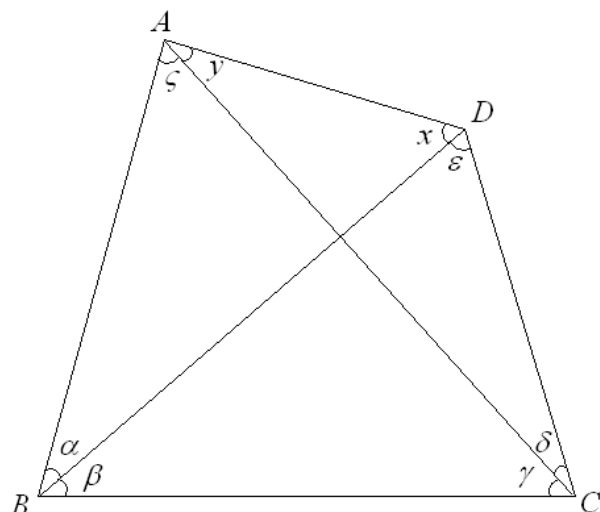
3 整角四角形問題

(1) 整角四角形と整角四角形問題

四角形の 4 辺及び対角線のなす角度が全て整数となるものを整角四角形という。また、右図の整角四角形において、角度 $\alpha, \beta, \gamma, \delta$ が与えられて角度 x を求める (または角度 x がその値となることを証明する) ような問題を整角四角形問題と呼ぶ。

ラングレーの問題は、整角四角形問題のうち

$(\alpha, \beta, \gamma, \delta, x) = (20, 60, 50, 30, 30)$ となるものに相当する。



(2) 三角関数を利用した解法

四角形 $ABCD$ の対角線 AC, BD を引き、 $\angle ABD = \alpha, \angle DBC = \beta, \angle BCA = \gamma, \angle ACD = \delta$ とおく。
このとき、 $\angle BDA = x$ を求めよ。

【解】いま、 $\angle BDC = 180^\circ - (\beta + \gamma + \delta) = \varepsilon$ とおく。

$$\triangle ABD \text{ において, } \frac{AB}{\sin x} = \frac{AD}{\sin \alpha} \dots \textcircled{1} \text{ (正弦定理)}$$

$$\triangle ACD \text{ において, } \frac{AD}{\sin \delta} = \frac{AC}{\sin(x + \varepsilon)} \dots \textcircled{2} \text{ (正弦定理)}$$

$$\triangle ABC \text{ において, } \frac{AC}{\sin(\alpha + \beta)} = \frac{AB}{\sin \gamma} \dots \textcircled{3} \text{ (正弦定理)}$$

①, ②, ③を辺々掛け合わせると

$$\frac{AB \cdot AD \cdot AC}{\sin x \sin \delta \sin(\alpha + \beta)} = \frac{AD \cdot AC \cdot AB}{\sin \alpha \sin(x + \varepsilon) \sin \gamma}$$
$$\therefore \frac{\sin(x + \varepsilon)}{\sin x} = \frac{\sin(\alpha + \beta) \sin \delta}{\sin \alpha \sin \gamma} \dots \textcircled{4}$$

$$= \frac{\sin x \cos \varepsilon + \cos x \sin \varepsilon}{\sin x} = \cos \varepsilon + \frac{\sin \varepsilon}{\tan x}$$

左辺

$$\cos \varepsilon + \frac{\sin \varepsilon}{\tan x} = \frac{\sin \delta \sin(\alpha + \beta)}{\sin \alpha \sin \gamma}$$

$$\tan x = \frac{\sin \varepsilon}{\frac{\sin \delta \sin(\alpha + \beta)}{\sin \alpha \sin \gamma} - \cos \varepsilon} = \frac{\sin \alpha \sin \gamma \sin \varepsilon}{\sin \delta \sin(\alpha + \beta) - \sin \alpha \sin \gamma \cos \varepsilon}$$

$\varepsilon = 180^\circ - (\beta + \gamma + \delta)$ であるから

$$\tan x = \frac{\sin \alpha \sin \gamma \sin(\beta + \gamma + \delta)}{\sin \delta \sin(\alpha + \beta) + \sin \alpha \sin \gamma \cos(\beta + \gamma + \delta)}$$

$$\therefore x = \arctan \frac{\sin \alpha \sin \gamma \sin(\beta + \gamma + \delta)}{\sin \delta \sin(\alpha + \beta) + \sin \alpha \sin \gamma \cos(\beta + \gamma + \delta)} \dots \textcircled{5}$$

【補題】

$$0^\circ < x < 180^\circ, 0^\circ < y < 180^\circ, 0^\circ < \theta < 180^\circ \text{ のとき, } \frac{\sin(x + \theta)}{\sin x} = \frac{\sin(y + \theta)}{\sin y} \Leftrightarrow x = y \dots \textcircled{6}$$

(証明)

[1] ($\Leftarrow$) は自明

[2] ($\Rightarrow$) 分母を払うと

$$\sin(x+\theta)\sin y - \sin x \sin(y+\theta) = 0$$

$$-\frac{1}{2}\{\cos(x+y+\theta) - \cos(x-y+\theta)\} + \frac{1}{2}\{\cos(x+y+\theta) - \cos(x-y-\theta)\} = 0$$

$$\frac{1}{2}\{\cos(x-y+\theta) - \cos(x-y-\theta)\} = 0$$

$$\sin(x-y)\sin\theta = 0$$

$\sin\theta \neq 0, -180^\circ < x-y < 180^\circ$ であるから

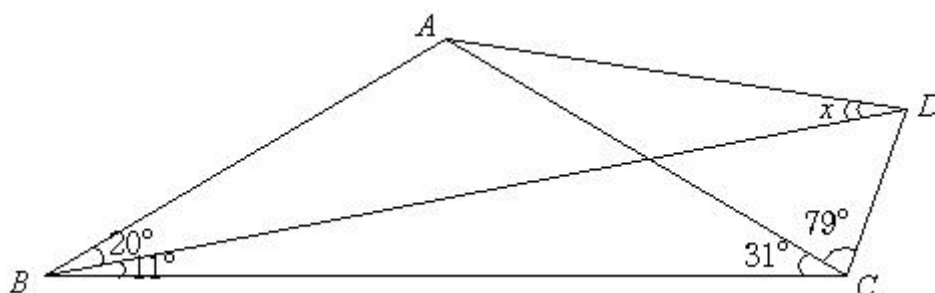
$$x-y=0$$

$$\therefore x=y$$

以上 [1], [2] より

$$\frac{\sin(x+\theta)}{\sin x} = \frac{\sin(y+\theta)}{\sin y} \Leftrightarrow x=y \text{ (終証)}$$

(例題 1) 2011 年に因んで, $(\alpha, \beta, \gamma, \delta, x) = (20^\circ, 11^\circ, 31^\circ, 79^\circ, x)$ の場合



(解) $\varepsilon = 180^\circ - (\beta + \gamma + \delta) = 59^\circ$ であるから, ④式に代入して

$$\frac{\sin(x+59^\circ)}{\sin x} = \frac{\sin 31^\circ \sin 79^\circ}{\sin 20^\circ \sin 31^\circ} = \frac{\sin 79^\circ}{\sin 20^\circ} = \frac{\sin(20^\circ + 59^\circ)}{\sin 20^\circ}$$

$$\therefore x = 20^\circ$$

(3) コンピュータによる解法

⑤式を使うと角 x の数値を求めることができる。

(ア) Excel の場合

まず, 角 $\alpha, \beta, \gamma, \delta$ の値をセル A3, B3, C3, D3 に順に入力する。

次に, セル E3 に次の式を入力すると角 x の値が出力される。

$$= \text{ATAN}(\text{SIN}(\text{A3} * \text{PI}() / 180) * \text{SIN}(\text{C3} * \text{PI}() / 180) * \text{SIN}((\text{B3} + \text{C3} + \text{D3}) * \text{PI}() / 180) / (\text{SIN}((\text{A3} + \text{B3})$$

$$* \text{PI}() / 180) * \text{SIN}(\text{D3} * \text{PI}() / 180) + \text{SIN}(\text{A3} * \text{PI}() / 180) * \text{SIN}(\text{C3} * \text{PI}() / 180) * \text{COS}((\text{B3} + \text{C3} + \text{D3}) * \text{PI}() / 180))) * 180 / \text{PI}()$$

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	20	60	50	30																						
2	α	β	γ	δ	$x > 0$	ε	ζ	$\alpha - \delta \neq 0$	$x + y < 180^\circ$	$\beta + \gamma$	$\gamma + \delta$	$A = x + 10^\circ$	$B = (x + 10^\circ) - A - B$													
8803	20	60	50	30	30	60	40	50	-10	110	110	80	3000000	3000000												
8804	20	60	50	31	28.50622038	81.49377962	39	50	-11	110	110	81	2850822.038	2800000	-49377.96248											
8805	20	60	50	32	27.08598334	82.91401666	38	50	-12	110	110	82	2708598.334	2700000	-8598.334143											
8806	20	60	50	33	25.73480743	84.26519257	37	50	-13	110	110	83	2573480.743	2600000	-2651.925749											
8807	20	60	50	34	24.44840828	85.55159172	36	50	-14	110	110	84	2444840.828	2400000	-44840.82807											
8808	20	60	50	35	23.22271567	86.77728433	35	50	-15	110	110	85	2322271.567	2300000	-22271.56734											
8809	20	60	50	36	22.05388207	87.94611793	34	50	-16	110	110	86	2205388.207	2200000	-5388.207271											
8810	20	60	50	37	20.93628481	89.06371519	33	50	-17	110	110	87	2093628.481	2100000	-6171.5084											
8811	20	60	50	38	19.87252413	90.12747587	32	50	-18	110	110	88	1987252.413	2000000	-12747.5871											
8812	20	60	50	39	18.85341644	91.14658356	31	50	-19	110	110	89	1885341.644	1900000	-14658.35645											
8813	20	60	50	40	17.87798714	92.12201286	30	50	-20	110	110	90	1787798.714	1800000	-12201.28557											

(イ) BASIC の場合

5° 単位の整角四角形を求めるプログラム例。ただし、これでは x が鈍角の場合は求められないので、修正が必要である。 $(\alpha=a, \beta=b, \gamma=c, \delta=d)$ と対応)

また、次の場合は除いてある。(E は対角線の交点)

- ① $a=d$ の場合 (円周角が等しくなるので, $x=c$)
- ② $b+c=90^\circ, a=b$ の場合 ($\angle DAE \equiv \angle DCE$ より $x=90^\circ - d$)
- ③ $b+c=90^\circ, c=d$ の場合 ($\angle ADE \equiv \angle ABE$ より $x=a$)

```
100 REM"整角四角形問題5度単位"
110 OPTION ANGLE DEGREES
120 LET n=0
130 LET a=0
132 LET a=a+5
134 IF a>=180 THEN STOP
140 LET b=0
142 LET b=b+5
144 IF b>=180 THEN GOTO 132
150 LET c=0
160 LET c=c+5
170 IF c=180 THEN 142
180 LET d=0
190 LET d=d+5
200 IF d=180 THEN GOTO 160
210 LET e=180-(b+c+d)
220 IF e<=0 THEN GOTO 190
230 IF e>=180 THEN GOTO 190
240 IF a=d THEN GOTO 190
250 IF (b+c-90)^2+(c-d)^2=0 THEN GOTO 190
260 IF (b+c-90)^2+(a-b)^2=0 THEN GOTO 190
270 IF a+b>=180 THEN GOTO 190
280 IF SIN(d)*SIN(a+b)-SIN(a)*SIN(c)*COS(e)=0 THEN GOTO 190
290 LET x=ATN(SIN(a)*SIN(c)*SIN(e)/(SIN(d)*SIN(a+b)-SIN(a)*SIN(c)*COS(e)))
300 IF x<=0 THEN GOTO 190
310 IF x>=180 THEN GOTO 190
320 IF x*10^8<>INT(x)*10^8 THEN GOTO 190
330 LET n=n+1
340 PRINT "(",a,";",b,";",c,";",d,")=",x
350 GOTO 190
END
```

5 の倍数の角では、 x が鋭角のとき 5,419 通り、 x が鈍角のとき 99 通り見つけることができた。(後記)

4 定理

n 角形 $A_1A_2\cdots A_n$ 内に 1 点 P を取る。

$$\angle PA_1A_2 = \alpha_1, \angle PA_2A_1 = \beta_1,$$

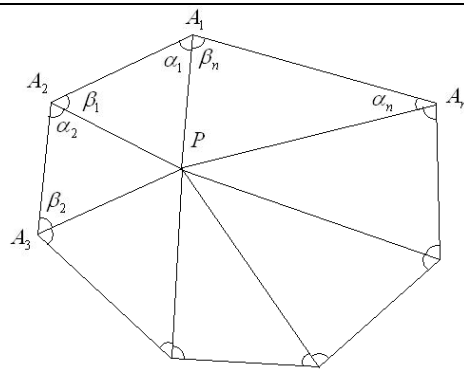
$$\angle PA_2A_3 = \alpha_2, \angle PA_3A_2 = \beta_2,$$

$\vdots$

$$\angle PA_nA_1 = \alpha_n, \angle PA_1A_n = \beta_n$$

とおくと,

$$\frac{\sin \alpha_1 \sin \alpha_2 \cdots \sin \alpha_n}{\sin \beta_1 \sin \beta_2 \cdots \sin \beta_n} = 1 \text{ である。}$$



(証明) $\triangle PA_1A_2, \triangle PA_2A_3, \dots, \triangle PA_nA_1$ に正弦定理を適用すると

$$\frac{PA_2}{\sin \alpha_1} = \frac{PA_1}{\sin \beta_1},$$

$$\frac{PA_3}{\sin \alpha_2} = \frac{PA_2}{\sin \beta_2},$$

$\vdots$

$$\frac{PA_1}{\sin \alpha_n} = \frac{PA_n}{\sin \beta_n}$$

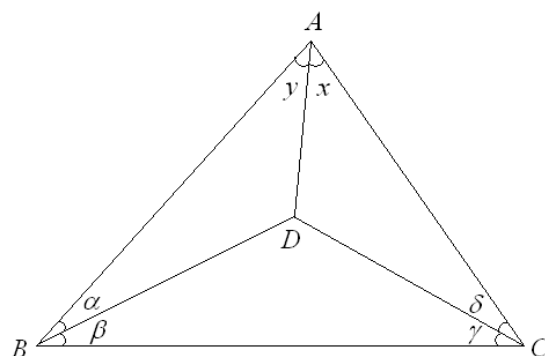
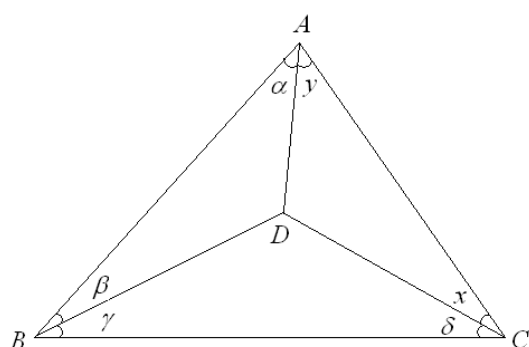
これらの式を辺々掛け合わせると

$$\frac{PA_2}{\sin \alpha_1} \cdot \frac{PA_3}{\sin \alpha_2} \cdots \frac{PA_1}{\sin \alpha_n} = \frac{PA_1}{\sin \beta_1} \cdot \frac{PA_2}{\sin \beta_2} \cdots \frac{PA_n}{\sin \beta_n}$$

$$\therefore \frac{\sin \alpha_1 \sin \alpha_2 \cdots \sin \alpha_n}{\sin \beta_1 \sin \beta_2 \cdots \sin \beta_n} = 1 \text{ (終証)}$$

5 整角 n 角形問題

(1) 整角三角形



$$\alpha + \beta + \gamma + \delta = \varepsilon \text{ とおく。}$$

$$\text{図より, } x + y + \varepsilon = 180^\circ \text{ であるから, } y = 180^\circ - \varepsilon - x$$

定理より

$$\frac{\sin y \sin \beta \sin \delta}{\sin x \sin \alpha \sin \gamma} = 1 \text{ であるから}$$

$$\frac{\sin y}{\sin x} = \frac{\sin \alpha \sin \gamma}{\sin \beta \sin \delta} \cdots \textcircled{7}$$

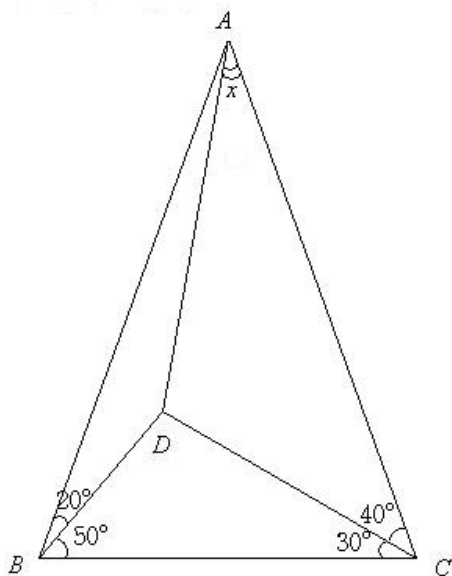
$$\text{左辺} = \frac{\sin(180^\circ - \varepsilon - x)}{\sin x} = \frac{\sin(180^\circ - \varepsilon)\cos x - \cos(180^\circ - \varepsilon)\sin x}{\sin x} = \frac{\sin \varepsilon}{\tan x} + \cos \varepsilon \quad \text{であるから}$$

$$\frac{\sin \varepsilon}{\tan x} + \cos \varepsilon = \frac{\sin \alpha \sin \gamma}{\sin \beta \sin \delta}$$

$$\therefore \tan x = \frac{\sin \beta \sin \delta \sin \varepsilon}{\sin \alpha \sin \gamma - \sin \beta \sin \delta \cos \varepsilon}$$

$$\therefore x = \arctan \frac{\sin \beta \sin \delta \sin \varepsilon}{\sin \alpha \sin \gamma - \sin \beta \sin \delta \cos \varepsilon}$$

(例題 2)



(解) $\angle DAB = 40^\circ - x$ であるから定理より

$$\frac{\sin(40^\circ - x)\sin 50^\circ \sin 40^\circ}{\sin x \sin 20^\circ \sin 40^\circ} = 1$$

$$\frac{\sin(40^\circ - x)}{\sin x} = \frac{\sin 20^\circ \sin 30^\circ}{\sin 50^\circ \sin 40^\circ}$$

$$= \frac{\sin 20^\circ}{2 \sin 40^\circ \cos 40^\circ}$$

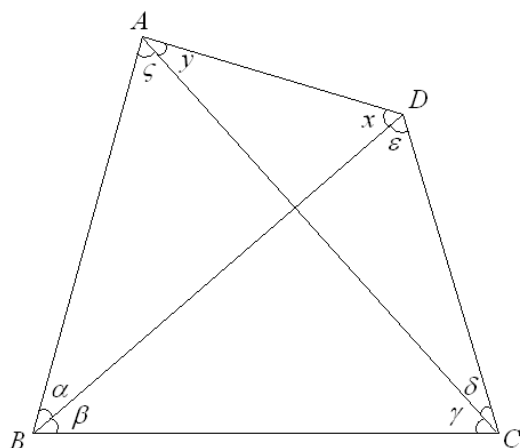
$$= \frac{\sin 20^\circ}{\sin 80^\circ} = \frac{2 \sin 10^\circ \cos 10^\circ}{\cos 10^\circ}$$

$$= \frac{\sin 10^\circ}{\sin 30^\circ} = \frac{\sin(40^\circ - 30^\circ)}{\sin 30^\circ}$$

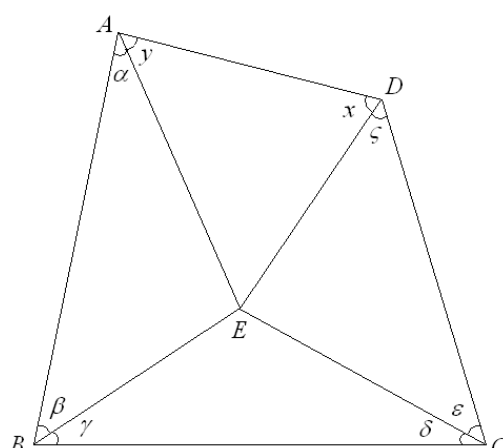
$$\therefore x = 30^\circ$$

(2) 整角四角形

(ア) $\alpha, \beta, \gamma, \delta$ が与えられる。



(イ) $\alpha, \beta, \gamma, \delta, \varepsilon, \zeta$ が与えられる。



(ア) 3(2)で得られた公式④と別に考える。

$$\varepsilon = 180^\circ - (\beta + \gamma + \delta), \zeta = 180^\circ - (\alpha + \beta + \gamma), y = \beta + \gamma - x \text{ である。}$$

定理より

$$\frac{\sin y \sin \alpha \sin \gamma \sin \varepsilon}{\sin x \sin \beta \sin \delta \sin \zeta} = 1 \text{ であるから}$$

$$\frac{\sin y}{\sin x} = \frac{\sin \beta \sin \delta \sin \zeta}{\sin \alpha \sin \gamma \sin \varepsilon}$$

$$\text{左辺} = \frac{\sin(\beta + \gamma - x)}{\sin x} = \frac{\sin(\beta + \gamma) \cos x - \cos(\beta + \gamma) \sin x}{\sin x} = \frac{\sin(\beta + \gamma)}{\tan x} - \cos(\beta + \gamma) \quad \text{であるから}$$

$$\frac{\sin(\beta + \gamma)}{\tan x} - \cos(\beta + \gamma) = \frac{\sin \beta \sin \delta \sin \zeta}{\sin \alpha \sin \gamma \sin \varepsilon}$$

$$\therefore \tan x = \frac{\sin \alpha \sin \gamma \sin \varepsilon \sin(\beta + \gamma)}{\sin \beta \sin \delta \sin \zeta + \sin \alpha \sin \gamma \sin \varepsilon \cos(\beta + \gamma)}$$

$$\therefore x = \arctan \frac{\sin \alpha \sin \gamma \sin \varepsilon \sin(\beta + \gamma)}{\sin \beta \sin \delta \sin \zeta + \sin \alpha \sin \gamma \sin \varepsilon \cos(\beta + \gamma)}$$

(1) $\alpha + \beta + \gamma + \delta + \varepsilon + \zeta = \theta$ とおく。

図より, $x + y + \theta = 360^\circ$ であるから, $y = 360^\circ - \theta - x$

定理より

$$\frac{\sin y \sin \beta \sin \delta \sin \varepsilon}{\sin x \sin \alpha \sin \gamma \sin \zeta} = 1 \text{ であるから}$$

$$\frac{\sin y}{\sin x} = \frac{\sin \alpha \sin \gamma \sin \zeta}{\sin \beta \sin \delta \sin \varepsilon}$$

$$\text{左辺} = \frac{\sin(360^\circ - \theta - x)}{\sin x} = \frac{\sin(360^\circ - \theta) \cos x - \cos(360^\circ - \theta) \sin x}{\sin x} = \frac{\sin(360^\circ - \theta)}{\tan x} - \cos(360^\circ - \theta)$$

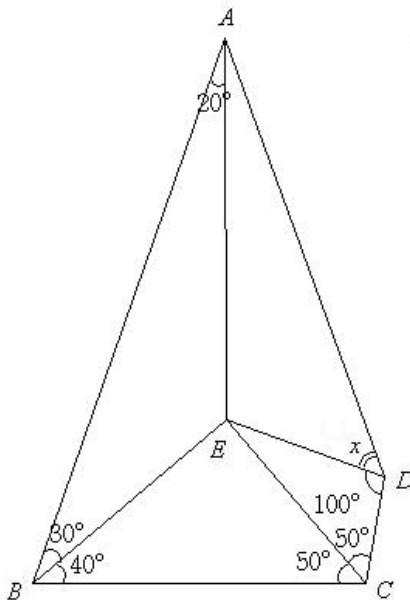
であるから

$$\frac{\sin(360^\circ - \theta)}{\tan x} - \cos(360^\circ - \theta) = \frac{\sin \alpha \sin \gamma \sin \zeta}{\sin \beta \sin \delta \sin \varepsilon}$$

$$\therefore \tan x = \frac{\sin \beta \sin \delta \sin \varepsilon \sin(360^\circ - \theta)}{\sin \alpha \sin \gamma \sin \zeta + \sin \beta \sin \delta \sin \varepsilon \cos(360^\circ - \theta)}$$

$$\therefore x = \arctan \frac{\sin \beta \sin \delta \sin \varepsilon \sin(360^\circ - \theta)}{\sin \alpha \sin \gamma \sin \zeta + \sin \beta \sin \delta \sin \varepsilon \cos(360^\circ - \theta)}, \theta = \alpha + \beta + \gamma + \delta + \varepsilon + \zeta$$

(例題 3)



(解) $\angle DAE = 70^\circ - x$ であるから

定理より

$$\frac{\sin(70^\circ - x) \sin 30^\circ \sin 50^\circ \sin 100^\circ}{\sin x \sin 20^\circ \sin 40^\circ \sin 50^\circ} = 1$$

$$\frac{\sin(70^\circ - x)}{\sin x} = \frac{\sin 20^\circ \sin 40^\circ}{\sin 30^\circ \sin 80^\circ}$$

$$= \frac{\sin 20^\circ \sin 40^\circ}{\sin 30^\circ \times 2 \sin 40^\circ \cos 40^\circ}$$

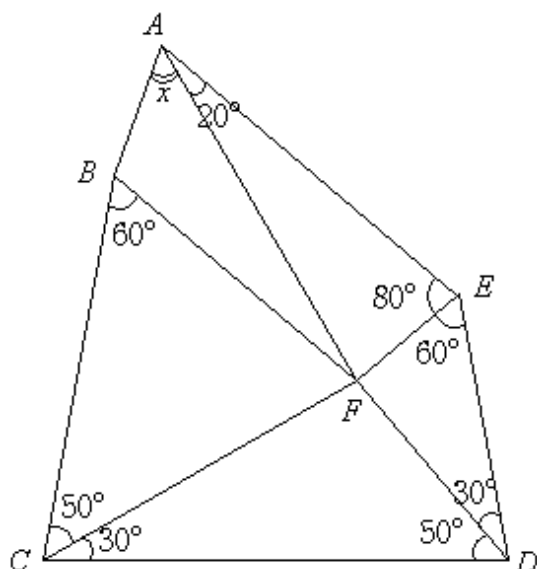
$$= \frac{\sin 20^\circ}{\cos 40^\circ}$$

$$= \frac{\sin(70^\circ - 50^\circ)}{\sin 50^\circ}$$

$$\therefore x = 50^\circ$$

(3) 整角五角形

(例題 4)



(解) $\angle ABF = 160^\circ - x$ であるから定理より

$$\frac{\sin(160^\circ - x) \sin 50^\circ \sin 50^\circ \sin 60^\circ \sin 20^\circ}{\sin x \sin 60^\circ \sin 30^\circ \sin 30^\circ \sin 80^\circ} = 1$$

$$\frac{\sin(160^\circ - x)}{\sin x} = \frac{\sin 60^\circ \sin 30^\circ \sin 30^\circ \sin 80^\circ}{\sin 50^\circ \sin 50^\circ \sin 60^\circ \sin 20^\circ}$$

$$= \frac{\sin 30^\circ \sin 30^\circ \sin 80^\circ}{\sin 50^\circ \sin 50^\circ \sin 20^\circ} \times \frac{2 \cos 50^\circ}{2 \cos 50^\circ}$$

$$= \frac{\sin 30^\circ \sin 80^\circ \sin 40^\circ}{\sin 100^\circ \sin 50^\circ \sin 20^\circ} = \frac{\sin 30^\circ \times 2 \sin 20^\circ \cos 20^\circ}{\sin 50^\circ \sin 20^\circ}$$

$$= \frac{\sin 70^\circ}{\sin 50^\circ} = \frac{\sin(160^\circ - 50^\circ)}{\sin 50^\circ}$$

$\therefore x = 50^\circ \dots$ (答)

6 おわりに

(1) 参考文献

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(2) 関連サイト

(ア) ラングラーの問題 (Wikipedia)

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(2011/2/16)

■整角四角形問題 $(\alpha, \beta, \gamma, \delta) = x$ (x : 鋭角)

(5,5,10,85)=5	(5,25,110,15)=35	(10,5,100,40)=75	(10,30,60,40)=20	(10,95,50,15)=20	(15,50,65,40)=15	(20,20,30,75)=15
(5,5,20,80)=10	(5,25,115,10)=65	(10,5,110,35)=85	(10,30,70,5)=85	(10,100,30,20)=10	(15,50,75,30)=25	(20,20,30,100)=10
(5,5,30,75)=15	(5,25,115,15)=30	(10,5,110,40)=75	(10,30,70,30)=30	(10,100,35,5)=85	(15,50,80,20)=55	(20,20,35,30)=30
(5,5,40,70)=20	(5,25,120,10)=60	(10,5,115,35)=85	(10,30,70,40)=20	(10,100,40,20)=10	(15,50,85,20)=55	(20,20,35,115)=5
(5,5,50,65)=25	(5,30,30,25)=10	(10,5,150,20)=75	(10,30,80,20)=50	(10,110,30,5)=85	(15,55,25,5)=50	(20,20,40,40)=30
(5,5,55,55)=30	(5,30,30,55)=5	(10,10,10,85)=5	(10,30,80,30)=30	(10,115,25,5)=75	(15,55,30,65)=5	(20,20,40,70)=20
(5,5,55,70)=25	(5,30,35,30)=10	(10,10,20,80)=10	(10,30,80,50)=10	(10,120,25,5)=85	(15,55,35,5)=65	(20,20,40,100)=10
(5,5,60,60)=30	(5,30,35,60)=5	(10,10,30,40)=20	(10,30,100,15)=75	(10,130,20,5)=85	(15,55,35,65)=5	(20,20,50,65)=25
(5,5,70,55)=35	(5,30,40,15)=20	(10,10,30,75)=15	(10,30,100,20)=50	(10,140,15,5)=85	(15,55,40,30)=20	(20,20,60,60)=30
(5,5,75,35)=50	(5,30,50,15)=25	(10,10,30,110)=10	(10,30,100,30)=20	(10,150,10,5)=85	(15,55,70,35)=15	(20,20,80,50)=40
(5,5,75,70)=25	(5,30,65,30)=15	(10,10,40,30)=30	(10,30,110,15)=75	(10,160,5,5)=85	(15,55,75,20)=50	(20,20,90,45)=45
(5,5,80,50)=40	(5,30,70,30)=15	(10,10,40,70)=20	(10,30,110,20)=40	(15,5,20,85)=15	(15,55,75,30)=20	(20,20,100,30)=80
(5,5,90,45)=45	(5,30,70,55)=5	(10,10,40,110)=10	(10,30,110,30)=10	(15,5,60,80)=40	(15,55,80,20)=50	(20,20,100,40)=50
(5,5,95,30)=65	(5,30,75,10)=50	(10,10,50,50)=30	(10,30,120,20)=20	(15,5,75,30)=70	(15,60,75,30)=15	(20,20,100,50)=20
(5,5,95,55)=30	(5,30,75,20)=25	(10,10,50,65)=25	(10,35,45,55)=10	(15,5,75,70)=50	(15,65,20,30)=10	(20,20,105,50)=10
(5,5,100,40)=50	(5,30,80,20)=25	(10,10,50,80)=20	(10,35,80,20)=45	(15,5,75,80)=40	(15,65,25,5)=55	(20,20,110,30)=80
(5,5,110,35)=55	(5,30,85,10)=55	(10,10,60,40)=40	(10,35,90,20)=45	(15,5,80,65)=55	(15,65,25,55)=5	(20,20,110,35)=55
(5,5,115,30)=65	(5,30,95,30)=10	(10,10,60,60)=30	(10,40,30,40)=10	(15,5,80,70)=50	(15,65,40,55)=5	(20,20,110,40)=30
(5,5,115,35)=50	(5,30,105,25)=10	(10,10,60,80)=20	(10,40,50,20)=30	(15,5,85,55)=65	(15,65,60,20)=40	(20,20,120,30)=60
(5,5,120,30)=60	(5,30,110,10)=55	(10,10,70,55)=35	(10,40,50,30)=20	(15,5,85,65)=55	(15,65,75,20)=40	(20,20,125,30)=30
(5,5,130,25)=65	(5,30,110,15)=25	(10,10,90,45)=45	(10,40,65,5)=85	(15,5,100,55)=65	(15,65,75,30)=10	(20,20,130,25)=65
(5,5,140,20)=70	(5,30,115,10)=50	(10,10,100,30)=70	(10,40,80,20)=40	(15,5,140,30)=70	(15,65,80,25)=15	(20,25,45,65)=20
(5,5,150,15)=75	(5,30,115,15)=20	(10,10,100,40)=50	(10,40,80,30)=20	(15,10,25,80)=15	(15,70,10,30)=5	(20,25,70,40)=45
(5,10,15,80)=5	(5,35,40,30)=10	(10,10,100,50)=30	(10,40,80,40)=10	(15,10,75,30)=65	(15,70,75,30)=5	(20,25,90,40)=45
(5,10,40,35)=20	(5,35,40,55)=5	(10,10,110,30)=70	(10,40,100,20)=30	(15,10,130,30)=65	(15,70,85,20)=15	(20,30,15,40)=10
(5,10,50,25)=30	(5,35,55,15)=25	(10,10,110,35)=55	(10,45,55,45)=10	(15,15,10,85)=5	(15,75,45,30)=15	(20,30,20,60)=10
(5,10,50,35)=25	(5,35,55,25)=15	(10,10,110,40)=40	(10,45,70,20)=35	(15,15,20,80)=10	(15,100,30,10)=55	(20,30,25,30)=20
(5,10,55,30)=30	(5,35,60,20)=20	(10,10,120,30)=60	(10,45,80,20)=35	(15,15,30,75)=15	(15,110,25,10)=50	(20,30,30,10)=40
(5,10,55,40)=25	(5,35,80,25)=15	(10,10,120,40)=20	(10,50,60,5)=85	(15,15,40,70)=20	(15,110,30,10)=65	(20,30,30,40)=20
(5,10,65,30)=35	(5,35,85,10)=50	(10,10,130,25)=65	(10,50,60,20)=30	(15,15,45,45)=30	(15,115,20,10)=40	(20,30,30,80)=10
(5,10,85,10)=75	(5,35,85,20)=20	(10,10,130,30)=30	(10,50,60,40)=10	(15,15,45,90)=15	(15,115,25,10)=55	(20,30,50,30)=40
(5,10,100,40)=25	(5,35,85,30)=10	(10,10,140,20)=70	(10,50,80,20)=30	(15,15,50,65)=25	(15,125,20,10)=50	(20,30,50,60)=20
(5,10,110,30)=35	(5,35,100,10)=50	(10,10,150,15)=75	(10,55,50,5)=75	(15,15,60,60)=30	(15,150,5,5)=80	(20,30,50,80)=10
(5,10,110,35)=25	(5,35,100,55)=25	(10,15,25,75)=10	(10,55,50,20)=25	(15,15,70,55)=35	(15,150,10,10)=85	(20,30,65,10)=80
(5,10,115,30)=30	(5,40,45,50)=5	(10,15,80,20)=65	(10,55,65,35)=10	(15,15,80,50)=40	(20,5,25,85)=20	(20,30,70,40)=40
(5,10,115,35)=20	(5,40,85,10)=45	(10,15,130,20)=65	(10,55,80,20)=25	(15,15,90,45)=45	(20,5,30,115)=20	(20,30,80,30)=60
(5,10,125,25)=30	(5,40,90,10)=45	(10,20,20,40)=10	(10,60,40,20)=20	(15,15,100,40)=50	(20,5,50,115)=20	(20,30,80,40)=40
(5,10,150,10)=75	(5,45,50,45)=5	(10,20,25,105)=5	(10,60,55,5)=85	(15,15,105,30)=75	(20,5,55,85)=40	(20,30,80,60)=10
(5,15,20,75)=5	(5,45,80,10)=40	(10,20,30,70)=10	(10,60,70,30)=10	(15,15,105,45)=30	(20,5,70,40)=65	(20,30,100,30)=60
(5,15,60,40)=20	(5,45,85,10)=40	(10,20,35,105)=5	(10,60,80,20)=20	(15,15,110,35)=55	(20,5,75,85)=40	(20,30,100,40)=20
(5,15,75,25)=35	(5,50,30,35)=5	(10,20,40,20)=30	(10,65,30,20)=15	(15,15,120,30)=60	(20,5,80,60)=65	(20,30,105,40)=10
(5,15,75,35)=25	(5,50,55,10)=30	(10,20,40,40)=20	(10,65,75,25)=10	(15,15,130,25)=65	(20,5,100,60)=65	(20,30,110,30)=40
(5,15,80,30)=30	(5,50,55,40)=5	(10,20,40,80)=10	(10,65,80,20)=15	(15,15,140,20)=70	(20,5,130,40)=65	(20,30,115,30)=20
(5,15,80,35)=25	(5,50,70,10)=35	(10,20,50,30)=30	(10,70,40,30)=10	(15,20,35,70)=15	(20,10,20,120)=10	(20,35,70,40)=35
(5,15,85,10)=70	(5,50,70,35)=5	(10,20,50,50)=20	(10,70,50,5)=85	(15,20,75,30)=55	(20,10,25,50)=20	(20,40,20,10)=30
(5,15,85,30)=30	(5,50,85,10)=35	(10,20,50,80)=10	(10,70,50,20)=20	(15,20,110,30)=55	(20,10,30,80)=20	(20,40,20,50)=10
(5,15,85,40)=20	(5,50,95,10)=30	(10,20,70,30)=40	(10,70,50,30)=10	(15,25,40,65)=15	(20,10,35,40)=30	(20,40,20,85)=5
(5,15,100,25)=35	(5,55,60,10)=30	(10,20,70,40)=30	(10,70,60,20)=20	(15,25,75,30)=50	(20,10,40,60)=30	(20,40,40,30)=30
(5,15,140,10)=70	(5,55,60,35)=5	(10,20,75,5)=85	(10,70,80,20)=10	(15,25,100,30)=50	(20,10,40,100)=20	(20,40,40,70)=10
(5,20,25,70)=5	(5,55,85,10)=30	(10,20,80,20)=60	(10,75,10,20)=5	(15,30,30,45)=15	(20,10,40,120)=10	(20,40,40,85)=5
(5,20,30,35)=10	(5,60,50,10)=25	(10,20,80,40)=30	(10,75,30,5)=55	(15,30,45,30)=30	(20,10,50,50)=40	(20,40,60,10)=80
(5,20,50,15)=30	(5,60,65,30)=5	(10,20,80,50)=20	(10,75,30,40)=5	(15,30,45,60)=15	(20,10,50,80)=30	(20,40,60,40)=30
(5,20,55,40)=15	(5,60,85,10)=25	(10,20,100,20)=70	(10,75,40,40)=5	(15,30,75,30)=45	(20,10,50,100)=20	(20,40,60,50)=20
(5,20,75,20)=35	(5,65,35,30)=5	(10,20,100,30)=40	(10,75,55,15)=30	(15,30,90,30)=45	(20,10,70,40)=60	(20,40,70,40)=30
(5,20,80,40)=15	(5,65,40,10)=20	(10,20,100,40)=20	(10,75,65,15)=30	(15,30,90,45)=15	(20,10,70,70)=40	(20,40,80,25)=65
(5,20,85,10)=65	(5,65,55,10)=25	(10,20,110,20)=70	(10,75,80,20)=5	(15,30,105,30)=30	(20,10,70,80)=30	(20,40,80,30)=50
(5,20,100,20)=35	(5,65,55,30)=5	(10,20,110,30)=30	(10,75,85,15)=10	(15,35,50,55)=15	(20,10,75,10)=80	(20,40,80,50)=10
(5,20,105,35)=10	(5,65,70,25)=5	(10,20,110,40)=10	(10,80,45,5)=85	(15,35,75,30)=40	(20,10,80,50)=60	(20,40,100,25)=65
(5,20,125,15)=30	(5,65,75,10)=25	(10,20,120,20)=60	(10,85,10,5)=20	(15,35,80,30)=40	(20,10,80,60)=50	(20,40,100,30)=30
(5,20,130,10)=65	(5,65,85,10)=20	(10,20,130,20)=30	(10,85,15,5)=30	(15,40,25,80)=5	(20,10,100,40)=80	(20,45,50,40)=25
(5,25,30,65)=5	(5,70,30,10)=15	(10,25,30,95)=5	(10,85,20,5)=40	(15,40,30,5)=50	(20,10,100,50)=60	(20,45,65,45)=20
(5,25,35,35)=10	(5,70,75,20)=5	(10,25,35,65)=10	(10,85,25,5)=50	(15,40,40,80)=5	(20,10,100,60)=30	(20,45,70,40)=25
(5,25,35,70)=5	(5,70,85,10)=15	(10,25,35,95)=5	(10,85,30,5)=60	(15,40,55,50)=15	(20,10,110,40)=80	(20,50,40,10)=60
(5,25,40,40)=10	(5,75,20,10)=10	(10,25,80,20)=55	(10,85,30,35)=5	(15,40,70,30)=35	(20,10,110,50)=40	(20,50,40,60)=10
(5,25,55,15)=30	(5,75,80,15)=5	(10,25,110,15)=85	(10,85,35,5)=70	(15,40,75,30)=35	(20,10,115,50)=20	(20,50,55,10)=80
(5,25,55,70)=5	(5,75,85,10)=10	(10,25,110,20)=55	(10,85,35,35)=5	(15,40,85,20)=65	(20,10,120,40)=60	(20,50,70,30)=40
(5,25,65,15)=35	(5,80,85,10)=5	(10,25,115,15)=85	(10,85,40,5)=80	(15,40,100,20)=65	(20,10,125,40)=30	(20,50,70,40)=20
(5,25,65,35)=15	(10,5,15,85)=10	(10,30,20,30)=10	(10,85,45,5)=90	(15,45,60,30)=30	(20,15,35,75)=20	(20,55,30,40)=15
(5,25,70,35)=15	(10,5,40,105)=20	(10,30,30,20)=20	(10,85,50,15)=25	(15,45,60,45)=15	(20,15,70,40)=55	(20,55,70,40)=15
(5,25,80,20)=30	(10,5,50,95)=25	(10,30,30,50)=10	(10,85,55,15)=25	(15,45,75,30)=30	(20,15,110,40)=55	(20,55,75,35)=20
(5,25,85,10)=60	(10,5,50,105)=20	(10,30,30,85)=5	(10,90,40,5)=85	(15,50,20,5)=40	(20,20,10,85)=5	(20,60,20,40)=10
(5,25,85,20)=30	(10,5,55,85)=30	(10,30,40,30)=20	(10,95,25,5)=55	(15,50,30,5)=55	(20,20,15,50)=10	(20,60,30,10)=50
(5,25,85,40)=10	(10,5,55,95)=25	(10,30,40,60)=10	(10,95,25,30)=5	(15,50,30,70)=5	(20,20,15,115)=5	(20,60,30,50)=10
(5,25,95,10)=65	(10,5,65,85)=30	(10,30,40,85)=5	(10,95,35,30)=5	(15,50,35,70)=5	(20,20,20,80)=10	(20,60,35,5)=75
(5,25,95,35)=10	(10,5,80,20)=75	(10,30,60,20)=40	(10,95,40,15)=20	(15,50,50,30)=25	(20,20,30,50)=20	(20,60,50,10)=80

(20,60,50,30)=30	(25,10,35,80)=25	(25,60,85,30)=25	(30,20,100,40)=80	(30,55,30,25)=35	(30,125,5,10)=35	(35,75,55,30)=80
(20,60,50,50)=10	(25,10,65,50)=55	(25,75,15,5)=55	(30,20,100,50)=40	(30,55,30,80)=5	(30,130,10,15)=75	(35,75,55,40)=30
(20,60,65,15)=85	(25,10,110,50)=55	(25,75,15,55)=5	(30,20,110,40)=70	(30,55,60,60)=5	(30,130,10,20)=40	(35,80,15,5)=70
(20,60,70,30)=30	(25,10,110,55)=25	(25,75,40,30)=30	(30,25,10,95)=5	(30,55,65,35)=50	(30,140,5,15)=75	(35,80,50,30)=75
(20,60,70,40)=10	(25,10,115,50)=30	(25,75,40,55)=5	(30,25,15,65)=10	(30,55,75,35)=50	(35,5,40,85)=35	(35,95,25,30)=35
(20,60,80,30)=20	(25,15,40,75)=25	(25,75,65,30)=30	(30,25,15,115)=5	(30,55,85,35)=30	(35,5,40,110)=30	(35,105,20,30)=30
(20,65,10,40)=5	(25,15,65,50)=50	(25,80,40,20)=55	(30,25,30,20)=35	(30,60,45,15)=75	(35,5,55,70)=50	(35,110,5,5)=60
(20,65,20,60)=5	(25,15,100,50)=50	(25,85,15,50)=5	(30,25,30,115)=5	(30,65,10,5)=40	(35,5,55,100)=40	(35,110,5,10)=30
(20,65,40,60)=5	(25,20,45,70)=25	(25,85,35,30)=25	(30,25,40,40)=35	(30,65,10,55)=5	(35,5,55,110)=30	(35,110,10,10)=65
(20,65,55,25)=40	(25,20,65,50)=45	(25,85,35,50)=5	(30,25,55,65)=30	(30,65,30,5)=80	(35,5,60,100)=40	(35,110,15,15)=70
(20,65,70,40)=5	(25,20,90,50)=45	(25,85,55,30)=25	(30,25,55,95)=5	(30,65,30,35)=25	(35,5,80,75)=65	(35,110,20,20)=75
(20,65,75,25)=40	(25,25,10,85)=5	(25,100,15,5)=80	(30,25,60,60)=35	(30,65,55,25)=70	(35,5,85,65)=75	(35,110,25,25)=80
(20,65,85,25)=20	(25,25,15,55)=10	(25,100,40,20)=75	(30,25,70,35)=65	(30,65,55,55)=5	(35,5,85,75)=65	(35,110,25,30)=50
(20,70,45,10)=80	(25,25,15,110)=5	(25,105,20,20)=30	(30,25,70,60)=35	(30,65,75,35)=25	(35,5,100,65)=75	(35,110,30,30)=85
(20,75,20,5)=60	(25,25,20,80)=10	(25,125,20,20)=50	(30,25,85,65)=10	(30,70,20,10)=50	(35,5,100,70)=50	(35,115,5,5)=70
(20,75,30,5)=80	(25,25,30,75)=15	(25,130,5,5)=70	(30,25,95,35)=85	(30,70,20,50)=10	(35,10,45,80)=35	(35,115,5,10)=35
(20,75,55,15)=80	(25,25,35,35)=30	(25,130,10,10)=75	(30,25,110,35)=85	(30,70,30,5)=85	(35,10,55,70)=45	(35,115,20,30)=40
(20,80,5,10)=10	(25,25,35,110)=5	(25,130,15,15)=80	(30,25,110,40)=35	(30,70,30,10)=70	(35,10,90,70)=45	(35,115,25,30)=75
(20,80,15,10)=30	(25,25,40,70)=20	(25,130,20,20)=85	(30,25,115,35)=65	(30,70,30,40)=20	(35,15,50,75)=35	(40,5,45,85)=40
(20,80,20,10)=40	(25,25,50,65)=25	(30,5,30,95)=25	(30,30,10,85)=5	(30,70,40,15)=75	(35,15,55,70)=40	(40,5,50,80)=45
(20,80,25,5)=75	(25,25,60,60)=30	(30,5,30,125)=20	(30,30,20,80)=10	(30,70,50,20)=80	(35,15,80,70)=40	(40,5,90,80)=45
(20,80,25,10)=50	(25,25,70,55)=35	(30,5,35,85)=30	(30,30,30,75)=15	(30,70,50,25)=65	(35,20,55,70)=35	(40,10,30,110)=20
(20,80,30,5)=85	(25,25,80,50)=40	(30,5,35,115)=25	(30,30,40,70)=20	(30,70,50,50)=10	(35,25,55,70)=30	(40,10,50,80)=40
(20,80,30,10)=60	(25,25,90,45)=45	(30,5,40,125)=20	(30,30,50,65)=25	(30,70,60,40)=20	(35,25,60,65)=35	(40,10,50,100)=30
(20,80,30,40)=10	(25,25,95,30)=85	(30,5,50,115)=25	(30,30,70,55)=35	(30,75,5,15)=10	(35,25,60,70)=30	(40,10,50,110)=20
(20,80,35,10)=70	(25,25,95,55)=10	(30,5,60,60)=55	(30,30,80,50)=40	(30,75,10,15)=20	(35,30,15,110)=5	(40,10,65,20)=70
(20,80,40,10)=80	(25,25,100,40)=50	(30,5,65,85)=50	(30,30,90,45)=45	(30,75,20,15)=40	(35,30,20,5)=40	(40,10,80,60)=70
(20,80,40,30)=20	(25,25,110,35)=55	(30,5,70,55)=65	(30,30,100,40)=50	(30,75,25,15)=50	(35,30,30,25)=35	(40,10,80,70)=60
(20,80,40,40)=10	(25,25,115,30)=85	(30,5,70,80)=55	(30,30,110,35)=55	(30,75,30,15)=60	(35,30,30,110)=5	(40,10,100,60)=70
(20,80,50,15)=75	(25,25,115,35)=30	(30,5,75,85)=50	(30,35,15,55)=10	(30,75,30,45)=15	(35,30,50,5)=75	(40,15,25,75)=20
(20,80,50,30)=20	(25,25,120,30)=60	(30,5,75,95)=25	(30,35,20,20)=25	(30,75,35,15)=70	(35,30,50,70)=25	(40,15,30,20)=35
(20,80,55,15)=85	(25,30,10,75)=5	(30,5,80,80)=55	(30,35,30,5)=55	(30,75,40,15)=80	(35,30,55,70)=25	(40,15,40,60)=35
(20,85,25,5)=80	(25,30,15,50)=10	(30,5,95,55)=85	(30,35,30,40)=25	(30,75,45,45)=15	(35,30,65,30)=70	(40,15,50,80)=35
(20,85,40,15)=60	(25,30,15,100)=5	(30,5,110,55)=85	(30,35,50,25)=55	(30,80,15,5)=65	(35,30,65,60)=35	(40,15,55,75)=40
(20,85,50,15)=80	(25,30,30,5)=50	(30,5,110,60)=55	(30,35,50,60)=25	(30,80,30,10)=80	(35,30,85,40)=75	(40,15,70,80)=35
(20,90,35,10)=80	(25,30,30,35)=25	(30,5,115,55)=65	(30,35,60,60)=25	(30,80,30,20)=50	(35,30,100,40)=75	(40,15,85,75)=20
(20,95,15,40)=5	(25,30,40,100)=5	(30,10,20,130)=10	(30,35,65,55)=30	(30,80,30,50)=10	(35,35,10,85)=5	(40,15,100,60)=35
(20,95,30,25)=20	(25,30,55,30)=50	(30,10,30,65)=25	(30,35,85,55)=10	(30,80,35,15)=75	(35,35,20,80)=10	(40,20,20,10)=30
(20,95,35,40)=5	(25,30,55,60)=25	(30,10,30,100)=20	(30,35,100,40)=25	(30,80,40,20)=70	(35,35,25,5)=50	(40,20,20,75)=15
(20,95,50,25)=20	(25,30,65,50)=35	(30,10,30,130)=10	(30,40,10,10)=20	(30,80,40,40)=20	(35,35,25,25)=30	(40,20,20,110)=10
(20,100,20,5)=85	(25,30,70,50)=35	(30,10,40,55)=35	(30,40,30,10)=50	(30,80,55,25)=85	(35,35,30,75)=15	(40,20,40,55)=35
(20,100,20,10)=50	(25,30,70,75)=5	(30,10,40,80)=30	(30,40,30,50)=20	(30,85,15,5)=70	(35,35,40,70)=20	(40,20,40,70)=30
(20,100,20,30)=10	(25,30,85,30)=75	(30,10,40,110)=20	(30,40,30,80)=10	(30,85,15,55)=5	(35,35,50,65)=25	(40,20,40,110)=10
(20,100,30,10)=80	(25,30,95,50)=10	(30,10,60,60)=50	(30,40,35,5)=65	(30,85,30,25)=40	(35,35,60,60)=30	(40,20,50,80)=30
(20,100,40,15)=75	(25,30,110,30)=75	(30,10,60,80)=40	(30,40,40,20)=50	(30,85,30,55)=5	(35,35,70,55)=35	(40,20,60,20)=70
(20,100,40,30)=10	(25,30,110,35)=25	(30,10,60,100)=20	(30,40,40,60)=20	(30,85,35,35)=25	(35,35,80,50)=40	(40,20,60,70)=40
(20,110,20,10)=60	(25,30,115,30)=50	(30,10,70,15)=75	(30,40,40,80)=10	(30,85,50,25)=80	(35,35,90,45)=45	(40,20,60,80)=30
(20,110,25,10)=80	(25,35,60,50)=30	(30,10,70,70)=50	(30,40,55,15)=75	(30,85,50,35)=25	(35,35,100,40)=50	(40,20,80,50)=70
(20,120,10,10)=30	(25,35,60,55)=25	(30,10,70,80)=40	(30,40,60,60)=20	(30,90,30,15)=75	(35,40,10,5)=30	(40,20,80,70)=30
(20,120,20,10)=80	(25,35,65,50)=30	(30,10,80,50)=70	(30,40,70,40)=50	(30,95,5,5)=35	(35,40,20,100)=5	(40,20,80,75)=15
(20,130,10,10)=40	(25,40,65,50)=25	(30,10,80,70)=50	(30,40,70,50)=30	(30,95,15,50)=5	(35,40,25,100)=5	(40,20,100,50)=70
(20,130,15,10)=80	(25,45,40,50)=20	(30,10,100,50)=80	(30,40,75,25)=85	(30,95,25,25)=35	(35,40,30,70)=15	(40,20,100,55)=35
(20,140,5,5)=75	(25,45,65,50)=20	(30,10,100,60)=50	(30,40,80,40)=50	(30,95,25,50)=5	(35,40,55,70)=15	(40,25,50,80)=25
(20,140,10,10)=80	(25,45,70,45)=25	(30,10,100,65)=25	(30,40,80,50)=20	(30,95,30,35)=20	(35,40,75,50)=35	(40,30,10,10)=20
(20,140,15,15)=85	(25,50,10,5)=30	(30,10,110,50)=70	(30,45,30,15)=45	(30,95,40,35)=20	(35,40,80,40)=65	(40,30,30,20)=40
(20,150,5,10)=80	(25,50,10,55)=5	(30,10,110,55)=35	(30,45,30,60)=15	(30,100,10,10)=40	(35,40,85,40)=65	(40,30,30,70)=20
(25,5,30,85)=25	(25,50,20,80)=5	(30,15,30,105)=15	(30,45,60,60)=15	(30,100,20,10)=80	(35,45,20,70)=10	(40,30,30,100)=10
(25,5,35,75)=30	(25,50,30,50)=15	(30,15,45,75)=30	(30,45,75,45)=30	(30,100,20,20)=40	(35,45,55,70)=10	(40,30,35,30)=40
(25,5,35,110)=25	(25,50,35,30)=30	(30,15,45,105)=15	(30,50,20,10)=40	(30,100,20,40)=10	(35,45,80,45)=35	(40,30,40,10)=60
(25,5,40,100)=30	(25,50,35,80)=5	(30,15,60,60)=45	(30,50,20,60)=10	(30,100,25,15)=75	(35,50,10,5)=35	(40,30,40,60)=30
(25,5,55,55)=50	(25,50,65,50)=15	(30,15,90,45)=75	(30,50,20,85)=5	(30,100,30,20)=70	(35,50,10,70)=5	(40,30,40,80)=20
(25,5,55,110)=25	(25,50,70,30)=55	(30,15,90,60)=45	(30,50,30,20)=40	(30,100,30,40)=10	(35,50,55,70)=5	(40,30,50,80)=20
(25,5,65,50)=60	(25,50,70,55)=5	(30,15,105,45)=75	(30,50,30,70)=10	(30,105,15,15)=45	(35,50,85,40)=35	(40,30,55,20)=70
(25,5,65,80)=50	(25,50,75,40)=25	(30,20,15,125)=5	(30,50,30,85)=5	(30,110,10,5)=85	(35,65,20,75)=5	(40,30,70,30)=80
(25,5,65,100)=30	(25,50,85,30)=55	(30,20,20,100)=10	(30,50,40,10)=70	(30,110,10,10)=50	(35,65,25,5)=75	(40,30,70,60)=40
(25,5,70,75)=55	(25,50,95,30)=30	(30,20,25,125)=5	(30,50,40,70)=10	(30,110,10,20)=20	(35,65,25,75)=5	(40,30,70,70)=20
(25,5,80,80)=50	(25,55,20,50)=10	(30,20,30,10)=40	(30,50,50,15)=75	(30,110,20,15)=75	(35,65,55,30)=70	(40,30,80,50)=60
(25,5,85,55)=75	(25,55,20,75)=5	(30,20,30,70)=20	(30,50,60,20)=80	(30,110,20,20)=50	(35,65,55,40)=40	(40,30,80,60)=30
(25,5,85,75)=55	(25,55,35,5)=75	(30,20,30,110)=10	(30,50,60,40)=40	(30,110,30,25)=65	(35,65,60,40)=40	(40,35,10,20)=15
(25,5,95,50)=85	(25,55,35,75)=5	(30,20,50,50)=40	(30,50,60,60)=10	(30,115,5,5)=55	(35,70,25,5)=80	(40,35,20,60)=15
(25,5,95,75)=30	(25,55,65,20)=80	(30,20,50,70)=30	(30,50,70,35)=55	(30,115,5,10)=25	(35,70,25,30)=30	(40,35,25,55)=20
(25,5,110,55)=75	(25,55,65,30)=50	(30,20,50,100)=10	(30,50,70,40)=40	(30,115,25,25)=55	(35,70,50,30)=65	(40,35,30,80)=15
(25,5,115,50)=85	(25,55,65,50)=10	(30,20,60,60)=40	(30,50,80,35)=55	(30,120,5,5)=65	(35,75,5,5)=30	(40,35,50,80)=15
(25,5,115,55)=50	(25,55,80,30)=50	(30,20,65,15)=75	(30,50,80,40)=30	(30,120,10,10)=70	(35,75,15,5)=65	(40,35,75,55)=40
(25,5,120,50)=60	(25,55,80,35)=25	(30,20,80,40)=70	(30,55,10,5)=35	(30,120,15,15)=75	(35,75,15,65)=5	(40,35,80,60)=15
(25,10,30,55)=25	(25,60,10,50)=5	(30,20,80,60)=40	(30,55,10,60)=5	(30,120,20,20)=80	(35,75,30,65)=5	(40,35,85,55)=20
(25,10,35,50)=30	(25,60,65,50)=5	(30,20,80,70)=20	(30,55,20,80)=5	(30,120,25,25)=85	(35,75,40,40)=30	(40,40,10,85)=5

(40,40,20,10)=40	(45,5,50,85)=45	(50,25,10,20)=15	(50,85,40,45)=80	(55,70,30,30)=65	(60,60,50,65)=25	(65,50,60,60)=85
(40,40,20,20)=30	(45,5,80,90)=40	(50,25,10,115)=5	(50,90,20,25)=65	(55,70,35,35)=70	(60,60,55,55)=85	(65,55,25,30)=50
(40,40,20,80)=10	(45,10,45,90)=35	(50,25,20,80)=15	(50,95,5,25)=15	(55,70,40,40)=75	(60,65,30,35)=60	(65,60,25,35)=50
(40,40,25,5)=55	(45,10,55,80)=45	(50,25,30,100)=15	(50,100,10,10)=80	(55,70,45,45)=80	(60,70,25,30)=60	(65,65,10,85)=5
(40,40,25,30)=30	(45,10,70,90)=35	(50,25,35,65)=30	(50,100,10,20)=50	(55,70,50,50)=85	(60,70,30,40)=60	(65,65,20,80)=10
(40,40,30,75)=15	(45,15,45,90)=30	(50,25,35,115)=5	(50,100,10,30)=30	(55,75,35,40)=70	(60,75,30,45)=60	(65,65,30,75)=15
(40,40,40,70)=20	(45,15,60,75)=45	(50,25,40,100)=15	(50,100,15,25)=65	(55,80,35,45)=70	(60,80,5,20)=20	(65,65,40,70)=20
(40,40,60,60)=30	(45,15,60,90)=30	(50,25,70,55)=65	(50,100,20,30)=80	(55,85,5,15)=25	(60,80,10,20)=40	(65,70,25,45)=50
(40,40,70,55)=35	(45,20,45,90)=25	(50,25,70,80)=15	(50,100,20,40)=50	(55,85,5,25)=15	(60,80,10,40)=20	(65,75,25,50)=50
(40,40,75,35)=85	(45,20,50,90)=25	(50,25,75,65)=50	(50,105,5,30)=15	(55,85,35,50)=70	(60,80,20,30)=60	(65,80,5,15)=30
(40,40,80,50)=40	(45,20,65,70)=45	(50,25,85,65)=30	(50,110,10,20)=80	(55,95,5,5)=70	(60,80,30,40)=80	(65,80,25,55)=50
(40,40,90,45)=45	(45,25,40,90)=20	(50,25,95,55)=65	(50,110,10,25)=65	(55,95,5,30)=15	(60,80,30,50)=60	(65,80,30,50)=85
(40,45,10,80)=5	(45,25,45,90)=20	(50,30,20,20)=30	(50,110,10,30)=50	(55,95,25,50)=55	(60,85,30,55)=60	(65,85,5,15)=35
(40,45,50,80)=5	(45,25,70,65)=45	(50,30,20,75)=15	(50,115,5,25)=35	(55,100,5,15)=40	(60,90,15,30)=60	(65,85,5,35)=15
(40,45,85,45)=40	(45,30,30,15)=45	(50,30,20,100)=10	(50,115,5,30)=25	(55,100,20,40)=85	(60,100,5,20)=40	(65,85,25,50)=80
(40,50,45,20)=70	(45,30,30,90)=15	(50,30,30,10)=50	(50,120,5,25)=65	(55,110,5,25)=40	(60,100,10,20)=80	(65,85,25,60)=50
(40,55,10,5)=40	(45,30,45,90)=15	(50,30,30,65)=25	(55,5,35,110)=30	(55,110,5,30)=30	(60,100,10,30)=60	(65,100,5,35)=30
(40,55,20,5)=60	(45,30,75,30)=90	(50,30,30,80)=20	(55,5,60,85)=55	(55,110,10,30)=85	(60,100,10,40)=40	(65,100,10,30)=85
(40,55,65,35)=80	(45,30,75,60)=45	(50,30,40,30)=50	(55,5,60,110)=30	(55,115,5,25)=70	(60,100,15,40)=80	(70,5,20,140)=15
(40,60,10,10)=30	(45,35,20,90)=10	(50,30,40,70)=30	(55,10,35,110)=25	(55,115,5,30)=55	(60,110,5,30)=60	(70,5,30,140)=15
(40,60,15,5)=55	(45,35,45,90)=10	(50,30,40,100)=10	(55,10,50,25)=55	(60,5,30,120)=25	(65,5,25,130)=20	(70,5,75,85)=70
(40,60,30,10)=70	(45,35,80,55)=45	(50,30,50,25)=65	(55,10,50,110)=25	(60,5,50,120)=25	(65,5,35,115)=30	(70,10,20,140)=10
(40,60,30,70)=10	(45,40,10,90)=5	(50,30,60,20)=80	(55,10,65,30)=70	(60,5,65,85)=60	(65,5,40,130)=20	(70,10,40,110)=30
(40,60,40,20)=70	(45,40,45,90)=5	(50,30,60,80)=20	(55,10,65,80)=55	(60,10,30,120)=20	(65,5,55,95)=50	(70,10,50,35)=55
(40,60,50,30)=70	(45,40,85,50)=45	(50,30,70,40)=80	(55,15,25,25)=30	(60,10,40,120)=20	(65,5,55,115)=30	(70,10,50,100)=40
(40,60,50,50)=30	(45,45,10,85)=5	(50,30,70,70)=30	(55,15,30,85)=25	(60,10,55,30)=60	(65,5,70,85)=65	(70,10,50,110)=30
(40,60,65,35)=85	(45,45,15,15)=30	(50,30,70,75)=15	(55,15,35,30)=40	(60,10,70,80)=60	(65,5,75,95)=50	(70,10,60,100)=40
(40,70,5,20)=10	(45,45,20,80)=10	(50,30,80,60)=50	(55,15,35,80)=30	(60,15,30,120)=15	(65,10,25,130)=15	(70,15,10,140)=5
(40,70,10,20)=20	(45,45,30,75)=15	(50,30,80,65)=25	(55,15,35,110)=20	(60,20,20,120)=10	(65,10,30,130)=15	(70,15,20,140)=5
(40,70,15,20)=30	(45,45,40,70)=20	(50,35,10,25)=15	(55,15,40,110)=20	(60,20,30,20)=40	(65,10,75,80)=65	(70,15,85,75)=70
(40,70,20,10)=60	(45,45,50,65)=25	(50,35,10,100)=5	(55,15,70,75)=55	(60,20,30,100)=20	(65,15,20,130)=10	(70,20,45,35)=55
(40,70,20,60)=10	(45,45,60,60)=30	(50,35,40,100)=5	(55,15,75,25)=85	(60,20,30,120)=10	(65,15,25,30)=30	(70,25,20,5)=40
(40,70,25,20)=50	(45,45,70,55)=35	(50,35,85,55)=50	(55,15,75,85)=25	(60,20,35,40)=40	(65,15,25,100)=20	(70,30,20,10)=40
(40,70,30,10)=80	(45,45,80,50)=40	(50,40,45,25)=65	(55,15,80,80)=30	(60,20,50,80)=40	(65,15,25,130)=10	(70,30,20,30)=30
(40,70,30,20)=60	(45,50,45,5)=90	(50,45,40,5)=80	(55,20,30,110)=15	(60,20,50,100)=20	(65,15,40,85)=35	(70,30,20,110)=10
(40,70,30,50)=20	(45,65,45,20)=90	(50,50,10,10)=30	(55,20,35,110)=15	(60,20,65,20)=80	(65,15,60,100)=20	(70,30,30,40)=40
(40,70,35,20)=70	(45,70,45,25)=90	(50,50,10,20)=20	(55,20,75,70)=55	(60,20,70,40)=80	(65,15,75,35)=85	(70,30,30,55)=35
(40,70,40,20)=80	(45,75,45,30)=90	(50,50,10,85)=5	(55,25,20,85)=15	(60,20,70,80)=40	(65,15,75,85)=35	(70,30,30,110)=10
(40,70,40,30)=60	(45,80,45,35)=90	(50,50,20,10)=50	(55,25,20,110)=10	(60,20,80,70)=60	(65,15,80,75)=65	(70,30,40,35)=55
(40,70,40,60)=10	(45,85,45,40)=90	(50,50,20,30)=30	(55,25,35,40)=40	(60,25,10,120)=5	(65,20,10,130)=5	(70,30,50,15)=75
(40,70,45,20)=90	(45,90,5,5)=50	(50,50,20,80)=10	(55,25,35,70)=30	(60,25,30,120)=5	(65,20,20,100)=15	(70,30,50,30)=70
(40,70,50,30)=80	(45,90,10,10)=55	(50,50,30,75)=15	(55,25,35,110)=10	(60,25,30,120)=5	(65,20,25,130)=5	(70,30,50,80)=40
(40,70,50,50)=20	(45,90,15,15)=60	(50,50,50,65)=25	(55,25,65,15)=85	(60,25,85,65)=60	(65,20,40,80)=35	(70,30,60,40)=80
(40,80,20,5)=85	(45,90,15,30)=30	(50,50,60,40)=80	(55,25,65,85)=15	(60,30,45,30)=60	(65,20,55,100)=15	(70,30,60,80)=40
(40,80,20,10)=70	(45,90,20,20)=65	(50,50,60,60)=30	(55,25,80,65)=55	(60,35,30,5)=60	(65,20,75,80)=35	(70,35,20,15)=40
(40,80,20,30)=30	(45,90,25,25)=70	(50,50,70,55)=35	(55,25,80,70)=30	(60,40,10,20)=20	(65,20,85,70)=65	(70,35,25,5)=55
(40,80,30,20)=70	(45,90,30,30)=75	(50,55,40,15)=80	(55,30,10,25)=15	(60,40,15,40)=20	(65,30,10,30)=15	(70,35,25,55)=30
(40,80,40,30)=70	(45,90,35,35)=80	(50,60,35,25)=65	(55,30,10,110)=5	(60,40,30,10)=60	(65,30,10,115)=5	(70,35,50,15)=80
(40,80,40,35)=55	(45,90,40,40)=85	(50,60,40,20)=80	(55,30,20,80)=15	(60,40,30,40)=40	(65,30,25,5)=50	(70,35,50,65)=55
(40,85,15,5)=80	(45,105,15,15)=90	(50,65,5,25)=10	(55,30,30,5)=55	(60,40,30,80)=20	(65,30,30,50)=35	(70,40,5,5)=25
(40,85,30,35)=40	(45,105,15,30)=45	(50,65,10,25)=20	(55,30,30,70)=25	(60,40,40,30)=60	(65,30,30,115)=5	(70,40,10,10)=30
(40,85,40,35)=60	(50,5,30,115)=25	(50,65,10,75)=5	(55,30,35,110)=5	(60,40,50,20)=80	(65,30,55,15)=80	(70,40,15,15)=35
(40,90,25,20)=70	(50,5,40,100)=35	(50,65,15,25)=30	(55,30,65,50)=70	(60,40,50,80)=20	(65,30,55,70)=50	(70,40,20,20)=40
(40,100,5,5)=55	(50,5,55,85)=50	(50,65,20,25)=40	(55,30,65,80)=15	(60,45,30,15)=60	(65,30,75,70)=50	(70,40,20,40)=30
(40,100,5,10)=30	(50,5,55,115)=25	(50,65,30,25)=60	(55,30,75,70)=25	(60,50,30,20)=60	(65,35,20,85)=15	(70,40,20,100)=10
(40,100,10,5)=85	(50,5,70,75)=65	(50,65,30,55)=25	(55,30,85,60)=55	(60,50,35,30)=60	(65,35,25,10)=50	(70,40,25,25)=45
(40,100,10,10)=60	(50,5,70,100)=35	(50,65,35,25)=70	(55,40,10,30)=15	(60,55,30,25)=60	(65,35,25,50)=30	(70,40,30,30)=50
(40,100,10,20)=30	(50,5,95,75)=65	(50,65,35,75)=5	(55,40,20,40)=25	(60,60,5,5)=35	(65,35,25,80)=20	(70,40,30,50)=40
(40,100,15,15)=65	(50,10,40,100)=30	(50,65,40,25)=80	(55,40,35,5)=70	(60,60,5,30)=15	(65,35,55,15)=85	(70,40,30,100)=10
(40,100,20,20)=70	(50,10,60,25)=65	(50,65,45,25)=90	(55,45,35,10)=70	(60,60,10,10)=40	(65,35,55,85)=15	(70,40,35,35)=55
(40,100,20,30)=40	(50,10,60,80)=50	(50,65,55,55)=25	(55,50,35,15)=70	(60,60,10,30)=20	(65,35,60,80)=20	(70,40,40,20)=70
(40,100,25,25)=75	(50,10,60,100)=30	(50,70,30,25)=65	(55,55,5,5)=30	(60,60,10,85)=5	(65,40,25,15)=50	(70,40,40,40)=60
(40,100,30,30)=80	(50,15,20,20)=25	(50,70,40,30)=80	(55,55,5,25)=10	(60,60,15,15)=45	(65,45,25,20)=50	(70,40,40,80)=30
(40,100,30,35)=55	(50,15,30,25)=35	(50,75,40,35)=80	(55,55,10,85)=5	(60,60,15,30)=30	(65,50,5,5)=30	(70,40,45,45)=65
(40,100,35,35)=85	(50,15,30,80)=25	(50,80,5,5)=45	(55,55,20,80)=10	(60,60,20,20)=50	(65,50,10,10)=35	(70,40,50,30)=80
(40,105,5,20)=15	(50,15,35,75)=30	(50,80,10,20)=30	(55,55,30,75)=15	(60,60,20,30)=40	(65,50,10,95)=5	(70,40,50,80)=30
(40,110,5,10)=40	(50,15,40,100)=25	(50,80,10,30)=20	(55,55,40,70)=20	(60,60,20,80)=10	(65,50,15,15)=40	(70,40,55,55)=75
(40,110,10,10)=80	(50,15,50,100)=25	(50,80,15,15)=55	(55,55,50,65)=25	(60,60,25,25)=55	(65,50,20,20)=45	(70,40,60,60)=80
(40,110,10,20)=40	(50,15,65,75)=50	(50,80,20,10)=80	(55,55,60,60)=30	(60,60,25,30)=50	(65,50,25,25)=50	(70,40,65,65)=85
(40,110,10,30)=20	(50,15,80,80)=25	(50,80,20,20)=60	(55,60,35,25)=70	(60,60,35,30)=70	(65,50,30,30)=55	(70,45,20,25)=40
(40,110,15,20)=70	(50,15,85,75)=30	(50,80,20,40)=30	(55,65,35,30)=70	(60,60,35,35)=65	(65,50,30,95)=5	(70,50,20,30)=40
(40,110,20,30)=60	(50,20,40,20)=50	(50,80,25,25)=65	(55,70,5,5)=40	(60,60,40,30)=80	(65,50,35,35)=60	(70,50,30,35)=55
(40,120,10,20)=70	(50,20,40,80)=30	(50,80,30,30)=70	(55,70,5,30)=10	(60,60,40,40)=70	(65,50,35,70)=30	(70,55,5,5)=35
(40,120,10,30)=30	(50,20,40,100)=20	(50,80,30,40)=50	(55,70,10,10)=45	(60,60,40,70)=20	(65,50,45,45)=70	(70,55,5,35)=10
(40,125,5,20)=35	(50,20,55,25)=65	(50,80,35,35)=75	(55,70,15,15)=50	(60,60,45,30)=90	(65,50,50,50)=75	(70,55,10,35)=20
(40,130,5,20)=70	(50,20,70,30)=80	(50,80,40,40)=80	(55,70,25,25)=60	(60,60,45,45)=75	(65,50,55,55)=80	(70,55,15,35)=30
(45,5,45,90)=40	(50,20,70,80)=30	(50,80,45,45)=85	(55,70,25,50)=30	(60,60,50,50)=80	(65,50,55,70)=30	(70,55,20,35)=40

(70,55,25,5)=75	(75,35,40,100)=10	(80,50,10,20)=30	(85,30,30,95)=25	(95,10,75,25)=85	(95,30,30,115)=10	(95,50,5,10)=30
(70,55,25,35)=50	(75,35,55,25)=85	(80,50,10,40)=20	(85,30,35,75)=40	(95,10,75,30)=85	(95,30,40,105)=20	(95,50,30,85)=55
(70,55,30,35)=60	(75,35,55,85)=25	(80,50,15,40)=30	(85,30,35,110)=85	(95,10,75,35)=85	(95,30,50,65)=75	(95,50,35,5)=85
(70,55,30,65)=35	(75,40,15,25)=30	(80,50,20,10)=60	(85,30,50,30)=75	(95,10,75,40)=85	(95,30,55,5)=85	(95,50,35,10)=85
(70,55,40,35)=80	(75,45,15,30)=30	(80,50,20,40)=40	(85,30,50,95)=25	(95,10,75,45)=85	(95,30,55,10)=85	(95,50,35,15)=85
(70,55,45,35)=90	(75,50,15,35)=30	(80,50,20,60)=30	(85,35,5,30)=10	(95,10,75,50)=85	(95,30,55,15)=85	(95,50,35,20)=85
(70,55,50,65)=75	(75,55,15,40)=30	(80,50,25,40)=50	(85,40,5,35)=10	(95,10,75,55)=85	(95,30,55,20)=85	(95,50,35,25)=85
(70,60,20,40)=40	(75,60,15,45)=30	(80,50,30,20)=70	(85,40,15,65)=20	(95,10,75,60)=85	(95,30,55,25)=85	(95,50,35,30)=85
(70,60,25,35)=55	(75,65,15,50)=30	(80,50,30,40)=60	(85,40,25,75)=30	(95,10,75,65)=85	(95,30,55,30)=85	(95,50,35,35)=85
(70,65,20,45)=40	(75,70,5,25)=20	(80,50,30,70)=40	(85,40,30,10)=65	(95,10,75,70)=85	(95,30,55,35)=85	(95,50,35,40)=85
(70,70,10,20)=40	(75,70,5,50)=10	(80,50,35,40)=70	(85,40,40,20)=75	(95,10,75,75)=85	(95,30,55,40)=85	(95,50,35,45)=85
(70,70,10,30)=30	(75,70,15,55)=30	(80,50,40,60)=70	(85,45,5,40)=10	(95,10,75,80)=85	(95,30,55,45)=85	(95,50,35,50)=85
(70,70,10,85)=5	(75,70,30,50)=85	(80,50,40,70)=60	(85,50,5,45)=10	(95,10,75,85)=85	(95,30,55,50)=85	(95,50,35,55)=85
(70,70,30,40)=80	(75,75,10,85)=5	(80,50,45,40)=90	(85,55,5,10)=30	(95,10,75,90)=85	(95,30,55,55)=85	(95,50,35,60)=85
(70,70,30,50)=70	(75,75,20,80)=10	(80,55,10,45)=20	(85,55,5,20)=20	(95,15,70,5)=85	(95,30,55,60)=85	(95,50,35,65)=85
(70,70,30,75)=15	(75,80,5,35)=20	(80,60,5,15)=25	(85,55,5,50)=10	(95,15,70,10)=85	(95,30,55,65)=85	(95,50,35,70)=85
(70,75,5,5)=55	(75,80,15,65)=30	(80,60,10,10)=50	(85,55,35,65)=75	(95,15,70,15)=85	(95,30,55,70)=85	(95,50,35,75)=85
(70,75,5,15)=30	(75,80,20,40)=85	(80,60,10,30)=30	(85,55,35,75)=65	(95,15,70,20)=85	(95,30,55,75)=85	(95,50,35,80)=85
(70,75,20,55)=40	(75,85,5,25)=35	(80,60,10,50)=20	(85,60,5,55)=10	(95,15,70,25)=85	(95,30,55,80)=85	(95,50,35,85)=85
(70,75,30,55)=80	(75,85,5,35)=25	(80,60,20,40)=50	(85,65,5,10)=40	(95,15,70,30)=85	(95,30,55,85)=85	(95,50,35,90)=85
(70,75,30,65)=55	(75,85,15,40)=80	(80,60,30,50)=70	(85,65,5,30)=20	(95,15,70,35)=85	(95,30,55,90)=85	(95,55,5,10)=35
(70,80,5,15)=35	(75,85,15,50)=70	(80,60,30,70)=50	(85,65,5,60)=10	(95,15,70,40)=85	(95,35,25,10)=55	(95,55,5,65)=10
(70,80,10,30)=40	(75,85,15,70)=30	(80,60,35,65)=75	(85,65,25,55)=75	(95,15,70,45)=85	(95,35,25,85)=30	(95,55,25,30)=75
(70,80,10,40)=30	(75,95,5,25)=70	(80,65,5,25)=20	(85,65,25,75)=55	(95,15,70,50)=85	(95,35,50,5)=85	(95,55,25,85)=50
(70,80,15,35)=55	(75,95,5,50)=35	(80,65,10,55)=20	(85,70,5,65)=10	(95,15,70,55)=85	(95,35,50,10)=85	(95,55,30,5)=85
(70,80,20,30)=80	(80,5,10,160)=5	(80,65,30,55)=80	(85,75,5,20)=40	(95,15,70,60)=85	(95,35,50,15)=85	(95,55,30,10)=85
(70,80,20,40)=70	(80,10,45,40)=50	(80,70,5,30)=20	(85,75,5,30)=30	(95,15,70,65)=85	(95,35,50,20)=85	(95,55,30,15)=85
(70,80,20,60)=40	(80,15,10,5)=20	(80,70,10,20)=50	(85,75,5,70)=10	(95,15,70,70)=85	(95,35,50,25)=85	(95,55,30,20)=85
(70,80,25,55)=75	(80,20,5,5)=15	(80,70,10,30)=40	(85,75,15,55)=65	(95,15,70,75)=85	(95,35,50,30)=85	(95,55,30,25)=85
(70,85,20,65)=40	(80,20,10,10)=20	(80,70,10,60)=20	(85,75,15,65)=55	(95,15,70,80)=85	(95,35,50,35)=85	(95,55,30,30)=85
(70,90,10,35)=55	(80,20,15,15)=25	(80,70,15,40)=50	(85,80,5,75)=10	(95,15,70,85)=85	(95,35,50,40)=85	(95,55,30,35)=85
(70,100,5,35)=55	(80,20,20,20)=30	(80,70,20,50)=60	(90,10,40,45)=45	(95,15,70,90)=85	(95,35,50,45)=85	(95,55,30,40)=85
(75,5,15,150)=10	(80,20,25,25)=35	(80,70,20,60)=50	(90,20,35,45)=45	(95,20,15,125)=10	(95,35,50,50)=85	(95,55,30,45)=85
(75,5,20,150)=10	(80,20,25,50)=30	(80,70,25,50)=80	(90,30,30,45)=45	(95,20,30,125)=10	(95,35,50,55)=85	(95,55,30,50)=85
(75,5,80,85)=75	(80,20,30,30)=40	(80,75,5,15)=40	(90,40,25,45)=45	(95,20,35,105)=30	(95,35,50,60)=85	(95,55,30,55)=85
(75,10,10,150)=5	(80,20,30,55)=35	(80,75,10,65)=20	(90,45,5,45)=10	(95,20,50,105)=30	(95,35,50,65)=85	(95,55,30,60)=85
(75,10,15,150)=5	(80,20,30,110)=20	(80,75,20,65)=60	(90,45,10,45)=20	(95,20,65,5)=85	(95,35,50,70)=85	(95,55,30,65)=85
(75,10,30,25)=35	(80,20,35,35)=45	(80,80,5,25)=35	(90,45,15,15)=45	(95,20,65,10)=85	(95,35,50,75)=85	(95,55,30,70)=85
(75,10,30,110)=25	(80,20,40,40)=50	(80,80,5,30)=30	(90,45,15,45)=30	(95,20,65,15)=85	(95,35,50,80)=85	(95,55,30,75)=85
(75,10,40,100)=35	(80,20,40,100)=30	(80,80,15,50)=70	(90,45,20,45)=40	(95,20,65,20)=85	(95,35,50,85)=85	(95,55,30,80)=85
(75,10,55,110)=25	(80,20,40,110)=20	(80,80,15,55)=65	(90,45,25,45)=50	(95,20,65,25)=85	(95,35,50,90)=85	(95,55,30,85)=85
(75,10,65,50)=70	(80,20,45,45)=55	(80,85,10,75)=20	(90,45,30,45)=60	(95,20,65,30)=85	(95,40,45,5)=85	(95,55,30,90)=85
(75,10,65,100)=35	(80,20,50,25)=65	(80,90,5,40)=50	(90,45,30,75)=45	(95,20,65,35)=85	(95,40,45,10)=85	(95,60,25,5)=85
(75,10,85,80)=75	(80,20,50,50)=60	(85,10,5,5)=10	(90,45,35,45)=70	(95,20,65,40)=85	(95,40,45,15)=85	(95,60,25,10)=85
(75,15,45,105)=30	(80,20,50,100)=30	(85,10,10,10)=15	(90,45,40,45)=80	(95,20,65,45)=85	(95,40,45,20)=85	(95,60,25,15)=85
(75,20,15,5)=30	(80,20,55,30)=70	(85,10,15,15)=20	(90,50,20,45)=45	(95,20,65,50)=85	(95,40,45,25)=85	(95,60,25,20)=85
(75,20,20,40)=25	(80,20,55,55)=65	(85,10,20,20)=25	(90,60,15,45)=45	(95,20,65,55)=85	(95,40,45,30)=85	(95,60,25,25)=85
(75,20,30,50)=35	(80,20,60,60)=70	(85,10,25,25)=30	(90,70,10,45)=45	(95,20,65,60)=85	(95,40,45,35)=85	(95,60,25,30)=85
(75,20,55,25)=70	(80,20,65,65)=75	(85,10,30,30)=35	(90,80,5,45)=45	(95,20,65,65)=85	(95,40,45,40)=85	(95,60,25,35)=85
(75,20,65,35)=80	(80,20,75,75)=85	(85,10,30,115)=25	(95,5,80,5)=85	(95,20,65,70)=85	(95,40,45,45)=85	(95,60,25,40)=85
(75,25,15,10)=30	(80,25,10,15)=20	(85,10,35,35)=40	(95,5,80,10)=85	(95,20,65,75)=85	(95,40,45,50)=85	(95,60,25,45)=85
(75,25,15,40)=20	(80,25,35,65)=40	(85,10,35,110)=30	(95,5,80,15)=85	(95,20,65,80)=85	(95,40,45,55)=85	(95,60,25,50)=85
(75,25,15,110)=10	(80,25,40,15)=60	(85,10,40,40)=45	(95,5,80,20)=85	(95,20,65,85)=85	(95,40,45,60)=85	(95,60,25,55)=85
(75,25,40,85)=35	(80,30,10,20)=20	(85,10,45,45)=50	(95,5,80,25)=85	(95,20,65,90)=85	(95,40,45,65)=85	(95,60,25,60)=85
(75,25,40,110)=10	(80,30,15,50)=20	(85,10,50,50)=55	(95,5,80,30)=85	(95,25,60,5)=85	(95,40,45,70)=85	(95,60,25,65)=85
(75,25,65,35)=85	(80,30,30,20)=50	(85,10,50,115)=25	(95,5,80,35)=85	(95,25,60,10)=85	(95,40,45,75)=85	(95,60,25,70)=85
(75,25,65,85)=35	(80,30,30,50)=40	(85,10,55,55)=60	(95,5,80,40)=85	(95,25,60,15)=85	(95,40,45,80)=85	(95,60,25,75)=85
(75,30,5,5)=20	(80,30,30,100)=20	(85,10,55,110)=30	(95,5,80,45)=85	(95,25,60,20)=85	(95,40,45,85)=85	(95,60,25,80)=85
(75,30,10,10)=25	(80,30,35,40)=50	(85,10,60,60)=65	(95,5,80,50)=85	(95,25,60,25)=85	(95,40,45,90)=85	(95,60,25,85)=85
(75,30,15,15)=30	(80,30,40,30)=60	(85,10,65,65)=70	(95,5,80,55)=85	(95,25,60,30)=85	(95,45,40,5)=85	(95,60,25,90)=85
(75,30,20,20)=35	(80,30,40,60)=50	(85,10,70,70)=75	(95,5,80,60)=85	(95,25,60,35)=85	(95,45,40,10)=85	(95,65,20,5)=85
(75,30,25,25)=40	(80,30,40,100)=20	(85,10,75,75)=80	(95,5,80,65)=85	(95,25,60,40)=85	(95,45,40,15)=85	(95,65,20,10)=85
(75,30,30,30)=45	(80,30,55,30)=80	(85,15,5,10)=10	(95,5,80,70)=85	(95,25,60,45)=85	(95,45,40,20)=85	(95,65,20,15)=85
(75,30,30,105)=15	(80,35,10,25)=20	(85,20,5,15)=10	(95,5,80,75)=85	(95,25,60,50)=85	(95,45,40,25)=85	(95,65,20,20)=85
(75,30,35,35)=50	(80,35,15,55)=20	(85,20,25,55)=30	(95,5,80,80)=85	(95,25,60,55)=85	(95,45,40,30)=85	(95,65,20,25)=85
(75,30,40,40)=55	(80,35,50,25)=80	(85,20,35,65)=40	(95,5,80,85)=85	(95,25,60,60)=85	(95,45,40,35)=85	(95,65,20,30)=85
(75,30,45,45)=60	(80,40,10,30)=20	(85,20,40,20)=55	(95,5,80,90)=85	(95,25,60,65)=85	(95,45,40,40)=85	(95,65,20,35)=85
(75,30,45,90)=30	(80,40,20,10)=50	(85,20,50,30)=65	(95,10,25,30)=30	(95,25,60,70)=85	(95,45,40,45)=85	(95,65,20,40)=85
(75,30,50,50)=65	(80,40,20,50)=30	(85,25,5,20)=10	(95,10,25,125)=20	(95,25,60,75)=85	(95,45,40,50)=85	(95,65,20,45)=85
(75,30,55,55)=70	(80,40,20,65)=25	(85,25,15,115)=10	(95,10,35,115)=30	(95,25,60,80)=85	(95,45,40,55)=85	(95,65,20,50)=85
(75,30,65,65)=80	(80,40,30,40)=50	(85,25,35,95)=30	(95,10,40,125)=20	(95,25,60,85)=85	(95,45,40,60)=85	(95,65,20,55)=85
(75,30,70,70)=85	(80,40,40,15)=75	(85,25,35,115)=10	(95,10,50,65)=55	(95,25,60,90)=85	(95,45,40,65)=85	(95,65,20,60)=85
(75,35,5,25)=10	(80,40,40,30)=70	(85,25,55,95)=30	(95,10,50,115)=30	(95,30,5,30)=10	(95,45,40,70)=85	(95,65,20,65)=85
(75,35,15,20)=30	(80,40,40,70)=50	(85,30,5,25)=10	(95,10,75,5)=85	(95,30,15,115)=10	(95,45,40,75)=85	(95,65,20,70)=85
(75,35,15,50)=20	(80,45,10,35)=20	(85,30,15,55)=20	(95,10,75,10)=85	(95,30,25,10)=50	(95,45,40,80)=85	(95,65,20,75)=85
(75,35,15,100)=10	(80,50,5,40)=10	(85,30,15,110)=10	(95,10,75,15)=85	(95,30,25,105)=20	(95,45,40,85)=85	(95,65,20,80)=85
(75,35,30,85)=25	(80,50,10,10)=40	(85,30,30,10)=55	(95,10,75,20)=85	(95,30,30,85)=35	(95,45,40,90)=85	(95,65,20,85)=85

(95,65,20,90)=85	(100,10,35,50)=40	(100,25,55,40)=80	(100,40,40,20)=80	(100,55,25,70)=80	(100,75,5,35)=80	(105,20,55,25)=75
(95,70,15,5)=85	(100,10,40,120)=30	(100,25,55,45)=80	(100,40,40,25)=80	(100,55,25,75)=80	(100,75,5,40)=80	(105,20,55,30)=75
(95,70,15,10)=85	(100,10,70,5)=80	(100,25,55,50)=80	(100,40,40,30)=80	(100,55,25,80)=80	(100,75,5,45)=80	(105,20,55,35)=75
(95,70,15,15)=85	(100,10,70,10)=80	(100,25,55,55)=80	(100,40,40,35)=80	(100,55,25,85)=80	(100,75,5,50)=80	(105,20,55,40)=75
(95,70,15,20)=85	(100,10,70,15)=80	(100,25,55,60)=80	(100,40,40,40)=80	(100,55,25,90)=80	(100,75,5,55)=80	(105,20,55,45)=75
(95,70,15,25)=85	(100,10,70,20)=80	(100,25,55,65)=80	(100,40,40,45)=80	(100,55,25,95)=80	(100,75,5,60)=80	(105,20,55,50)=75
(95,70,15,30)=85	(100,10,70,25)=80	(100,25,55,70)=80	(100,40,40,50)=80	(100,60,5,35)=25	(100,75,5,65)=80	(105,20,55,55)=75
(95,70,15,35)=85	(100,10,70,30)=80	(100,25,55,75)=80	(100,40,40,55)=80	(100,60,10,30)=50	(100,75,5,70)=80	(105,20,55,60)=75
(95,70,15,40)=85	(100,10,70,35)=80	(100,25,55,80)=80	(100,40,40,60)=80	(100,60,10,50)=40	(100,75,5,75)=80	(105,20,55,65)=75
(95,70,15,45)=85	(100,10,70,40)=80	(100,25,55,85)=80	(100,40,40,65)=80	(100,60,10,70)=30	(100,75,5,80)=80	(105,20,55,70)=75
(95,70,15,50)=85	(100,10,70,45)=80	(100,25,55,90)=80	(100,40,40,70)=80	(100,60,15,65)=55	(100,75,5,85)=80	(105,20,55,75)=75
(95,70,15,55)=85	(100,10,70,50)=80	(100,25,55,95)=80	(100,40,40,75)=80	(100,60,20,5)=80	(100,75,5,90)=80	(105,20,55,80)=75
(95,70,15,60)=85	(100,10,70,55)=80	(100,30,10,30)=20	(100,40,40,80)=80	(100,60,20,10)=80	(100,75,5,95)=80	(105,20,55,85)=75
(95,70,15,65)=85	(100,10,70,60)=80	(100,30,20,20)=40	(100,40,40,85)=80	(100,60,20,15)=80	(105,5,70,5)=75	(105,20,55,90)=75
(95,70,15,70)=85	(100,10,70,65)=80	(100,30,20,60)=30	(100,40,40,90)=80	(100,60,20,20)=80	(105,5,70,10)=75	(105,20,55,95)=75
(95,70,15,75)=85	(100,10,70,70)=80	(100,30,20,120)=10	(100,40,40,95)=80	(100,60,20,25)=80	(105,5,70,15)=75	(105,20,55,100)=75
(95,70,15,80)=85	(100,10,70,75)=80	(100,30,25,50)=40	(100,40,45,50)=90	(100,60,20,30)=80	(105,5,70,20)=75	(105,25,20,10)=40
(95,70,15,85)=85	(100,10,70,80)=80	(100,30,30,40)=50	(100,45,35,5)=80	(100,60,20,35)=80	(105,5,70,25)=75	(105,25,30,95)=35
(95,75,15,90)=85	(100,10,70,85)=80	(100,30,30,80)=40	(100,45,35,10)=80	(100,60,20,40)=80	(105,5,70,30)=75	(105,25,50,5)=75
(95,75,5,30)=55	(100,10,70,90)=80	(100,30,30,110)=20	(100,45,35,15)=80	(100,60,20,45)=80	(105,5,70,35)=75	(105,25,50,10)=75
(95,75,5,65)=30	(100,10,70,95)=80	(100,30,40,70)=60	(100,45,35,20)=80	(100,60,20,50)=80	(105,5,70,40)=75	(105,25,50,15)=75
(95,75,10,5)=85	(100,15,30,25)=40	(100,30,50,5)=80	(100,45,35,25)=80	(100,60,20,55)=80	(105,5,70,45)=75	(105,25,50,20)=75
(95,75,10,10)=85	(100,15,35,75)=40	(100,30,50,10)=80	(100,45,35,30)=80	(100,60,20,60)=80	(105,5,70,50)=75	(105,25,50,25)=75
(95,75,10,15)=85	(100,15,65,5)=80	(100,30,50,15)=80	(100,45,35,35)=80	(100,60,20,65)=80	(105,5,70,55)=75	(105,25,50,30)=75
(95,75,10,20)=85	(100,15,65,10)=80	(100,30,50,20)=80	(100,45,35,40)=80	(100,60,20,70)=80	(105,5,70,60)=75	(105,25,50,35)=75
(95,75,10,25)=85	(100,15,65,15)=80	(100,30,50,25)=80	(100,45,35,45)=80	(100,60,20,75)=80	(105,5,70,65)=75	(105,25,50,40)=75
(95,75,10,30)=85	(100,15,65,20)=80	(100,30,50,30)=80	(100,45,35,50)=80	(100,60,20,80)=80	(105,5,70,70)=75	(105,25,50,45)=75
(95,75,10,35)=85	(100,15,65,25)=80	(100,30,50,35)=80	(100,45,35,55)=80	(100,60,20,85)=80	(105,5,70,75)=75	(105,25,50,50)=75
(95,75,10,40)=85	(100,15,65,30)=80	(100,30,50,40)=80	(100,45,35,60)=80	(100,60,20,90)=80	(105,5,70,80)=75	(105,25,50,55)=75
(95,75,10,45)=85	(100,15,65,35)=80	(100,30,50,45)=80	(100,45,35,65)=80	(100,60,20,95)=80	(105,5,70,85)=75	(105,25,50,60)=75
(95,75,10,50)=85	(100,15,65,40)=80	(100,30,50,50)=80	(100,45,35,70)=80	(100,65,5,25)=40	(105,5,70,90)=75	(105,25,50,65)=75
(95,75,10,55)=85	(100,15,65,45)=80	(100,30,50,55)=80	(100,45,35,75)=80	(100,65,10,75)=40	(105,5,70,95)=75	(105,25,50,70)=75
(95,75,10,60)=85	(100,15,65,50)=80	(100,30,50,60)=80	(100,45,35,80)=80	(100,65,15,5)=80	(105,5,70,100)=75	(105,25,50,75)=75
(95,75,10,65)=85	(100,15,65,55)=80	(100,30,50,65)=80	(100,45,35,85)=80	(100,65,15,10)=80	(105,10,65,5)=75	(105,25,50,80)=75
(95,75,10,70)=85	(100,15,65,60)=80	(100,30,50,70)=80	(100,45,35,90)=80	(100,65,15,15)=80	(105,10,65,10)=75	(105,25,50,85)=75
(95,75,10,75)=85	(100,15,65,65)=80	(100,30,50,75)=80	(100,45,35,95)=80	(100,65,15,20)=80	(105,10,65,15)=75	(105,25,50,90)=75
(95,75,10,80)=85	(100,15,65,70)=80	(100,30,50,80)=80	(100,50,10,20)=40	(100,65,15,25)=80	(105,10,65,20)=75	(105,25,50,95)=75
(95,75,10,85)=85	(100,15,65,75)=80	(100,30,50,85)=80	(100,50,10,40)=30	(100,65,15,30)=80	(105,10,65,25)=75	(105,25,50,100)=75
(95,75,10,90)=85	(100,15,65,80)=80	(100,30,50,90)=80	(100,50,10,70)=20	(100,65,15,35)=80	(105,10,65,30)=75	(105,25,55,70)=85
(95,80,5,5)=85	(100,15,65,85)=80	(100,30,50,95)=80	(100,50,15,50)=40	(100,65,15,40)=80	(105,10,65,35)=75	(105,30,15,30)=30
(95,80,5,10)=85	(100,15,65,90)=80	(100,35,45,5)=80	(100,50,20,30)=60	(100,65,15,45)=80	(105,10,65,40)=75	(105,30,30,75)=45
(95,80,5,15)=85	(100,15,65,95)=80	(100,35,45,10)=80	(100,50,20,60)=50	(100,65,15,50)=80	(105,10,65,45)=75	(105,30,45,5)=75
(95,80,5,20)=85	(100,20,20,30)=30	(100,35,45,15)=80	(100,50,20,80)=40	(100,65,15,55)=80	(105,10,65,50)=75	(105,30,45,10)=75
(95,80,5,25)=85	(100,20,20,65)=25	(100,35,45,20)=80	(100,50,30,5)=80	(100,65,15,60)=80	(105,10,65,55)=75	(105,30,45,15)=75
(95,80,5,30)=85	(100,20,20,130)=10	(100,35,45,25)=80	(100,50,30,10)=80	(100,65,15,65)=80	(105,10,65,60)=75	(105,30,45,20)=75
(95,80,5,35)=85	(100,20,30,50)=40	(100,35,45,30)=80	(100,50,30,15)=80	(100,65,15,70)=80	(105,10,65,65)=75	(105,30,45,25)=75
(95,80,5,40)=85	(100,20,40,35)=55	(100,35,45,35)=80	(100,50,30,20)=80	(100,65,15,75)=80	(105,10,65,70)=75	(105,30,45,30)=75
(95,80,5,45)=85	(100,20,40,70)=50	(100,35,45,40)=80	(100,50,30,25)=80	(100,65,15,80)=80	(105,10,65,75)=75	(105,30,45,35)=75
(95,80,5,50)=85	(100,20,40,110)=30	(100,35,45,45)=80	(100,50,30,30)=80	(100,65,15,85)=80	(105,10,65,80)=75	(105,30,45,40)=75
(95,80,5,55)=85	(100,20,60,5)=80	(100,35,45,50)=80	(100,50,30,35)=80	(100,65,15,90)=80	(105,10,65,85)=75	(105,30,45,45)=75
(95,80,5,60)=85	(100,20,60,10)=80	(100,35,45,55)=80	(100,50,30,40)=80	(100,65,15,95)=80	(105,10,65,90)=75	(105,30,45,50)=75
(95,80,5,65)=85	(100,20,60,15)=80	(100,35,45,60)=80	(100,50,30,45)=80	(100,70,5,50)=40	(105,10,65,95)=75	(105,30,45,55)=75
(95,80,5,70)=85	(100,20,60,20)=80	(100,35,45,65)=80	(100,50,30,50)=80	(100,70,10,5)=80	(105,10,65,100)=75	(105,30,45,60)=75
(95,80,5,75)=85	(100,20,60,25)=80	(100,35,45,70)=80	(100,50,30,55)=80	(100,70,10,10)=80	(105,15,60,5)=75	(105,30,45,65)=75
(95,80,5,80)=85	(100,20,60,30)=80	(100,35,45,75)=80	(100,50,30,60)=80	(100,70,10,15)=80	(105,15,60,10)=75	(105,30,45,70)=75
(95,80,5,85)=85	(100,20,60,35)=80	(100,35,45,80)=80	(100,50,30,65)=80	(100,70,10,20)=80	(105,15,60,15)=75	(105,30,45,75)=75
(95,80,5,90)=85	(100,20,60,40)=80	(100,35,45,85)=80	(100,50,30,70)=80	(100,70,10,25)=80	(105,15,60,20)=75	(105,30,45,80)=75
(100,5,75,5)=80	(100,20,60,45)=80	(100,35,45,90)=80	(100,50,30,75)=80	(100,70,10,30)=80	(105,15,60,25)=75	(105,30,45,85)=75
(100,5,75,10)=80	(100,20,60,50)=80	(100,35,45,95)=80	(100,50,30,80)=80	(100,70,10,35)=80	(105,15,60,30)=75	(105,30,45,90)=75
(100,5,75,15)=80	(100,20,60,55)=80	(100,40,5,25)=15	(100,50,30,85)=80	(100,70,10,40)=80	(105,15,60,35)=75	(105,30,45,95)=75
(100,5,75,20)=80	(100,20,60,60)=80	(100,40,5,50)=10	(100,50,30,90)=80	(100,70,10,45)=80	(105,15,60,40)=75	(105,30,45,100)=75
(100,5,75,25)=80	(100,20,60,65)=80	(100,40,10,20)=30	(100,50,30,95)=80	(100,70,10,50)=80	(105,15,60,45)=75	(105,35,20,10)=50
(100,5,75,30)=80	(100,20,60,70)=80	(100,40,10,50)=20	(100,55,5,35)=20	(100,70,10,55)=80	(105,15,60,50)=75	(105,35,20,95)=25
(100,5,75,35)=80	(100,20,60,75)=80	(100,40,10,75)=15	(100,55,20,65)=60	(100,70,10,60)=80	(105,15,60,55)=75	(105,35,40,5)=75
(100,5,75,40)=80	(100,20,60,80)=80	(100,40,15,50)=30	(100,55,25,5)=80	(100,70,10,65)=80	(105,15,60,60)=75	(105,35,40,10)=75
(100,5,75,45)=80	(100,20,60,85)=80	(100,40,20,20)=50	(100,55,25,10)=80	(100,70,10,70)=80	(105,15,60,65)=75	(105,35,40,15)=75
(100,5,75,50)=80	(100,20,60,90)=80	(100,40,20,50)=40	(100,55,25,15)=80	(100,70,10,75)=80	(105,15,60,70)=75	(105,35,40,20)=75
(100,5,75,55)=80	(100,20,60,95)=80	(100,40,20,80)=30	(100,55,25,20)=80	(100,70,10,80)=80	(105,15,60,75)=75	(105,35,40,25)=75
(100,5,75,60)=80	(100,25,15,65)=20	(100,40,25,50)=50	(100,55,25,25)=80	(100,70,10,85)=80	(105,15,60,80)=75	(105,35,40,30)=75
(100,5,75,65)=80	(100,25,40,35)=60	(100,40,30,25)=65	(100,55,25,30)=80	(100,70,10,90)=80	(105,15,60,85)=75	(105,35,40,35)=75
(100,5,75,70)=80	(100,25,55,5)=80	(100,40,30,50)=60	(100,55,25,35)=80	(100,70,10,95)=80	(105,15,60,90)=75	(105,35,40,40)=75
(100,5,75,75)=80	(100,25,55,10)=80	(100,40,30,80)=50	(100,55,25,40)=80	(100,75,5,5)=80	(105,15,60,95)=75	(105,35,40,45)=75
(100,5,75,80)=80	(100,25,55,15)=80	(100,40,35,50)=70	(100,55,25,45)=80	(100,75,5,10)=80	(105,15,60,100)=75	(105,35,40,50)=75
(100,5,75,85)=80	(100,25,55,20)=80	(100,40,35,75)=65	(100,55,25,50)=80	(100,75,5,15)=80	(105,20,55,5)=75	(105,35,40,55)=75
(100,5,75,90)=80	(100,25,55,25)=80	(100,40,40,5)=80	(100,55,25,55)=80	(100,75,5,20)=80	(105,20,55,10)=75	(105,35,40,60)=75
(100,5,75,95)=80	(100,25,55,30)=80	(100,40,40,10)=80	(100,55,25,60)=80	(100,75,5,25)=80	(105,20,55,15)=75	(105,35,40,65)=75
(100,10,30,130)=20	(100,25,55,35)=80	(100,40,40,15)=80	(100,55,25,65)=80	(100,75,5,30)=80	(105,20,55,20)=75	(105,35,40,70)=75

(105,35,40,75)=75	(105,55,20,25)=75	(110,5,65,10)=70	(110,20,50,40)=70	(110,35,35,15)=70	(110,50,20,15)=70	(110,65,5,60)=70
(105,35,40,80)=75	(105,55,20,30)=75	(110,5,65,15)=70	(110,20,50,45)=70	(110,35,35,20)=70	(110,50,20,20)=70	(110,65,5,65)=70
(105,35,40,85)=75	(105,55,20,35)=75	(110,5,65,20)=70	(110,20,50,50)=70	(110,35,35,25)=70	(110,50,20,25)=70	(110,65,5,70)=70
(105,35,40,90)=75	(105,55,20,40)=75	(110,5,65,25)=70	(110,20,50,55)=70	(110,35,35,30)=70	(110,50,20,30)=70	(110,65,5,75)=70
(105,35,40,95)=75	(105,55,20,45)=75	(110,5,65,30)=70	(110,20,50,60)=70	(110,35,35,35)=70	(110,50,20,35)=70	(110,65,5,80)=70
(105,35,40,100)=75	(105,55,20,50)=75	(110,5,65,35)=70	(110,20,50,65)=70	(110,35,35,40)=70	(110,50,20,40)=70	(110,65,5,85)=70
(105,40,5,10)=25	(105,55,20,55)=75	(110,5,65,40)=70	(110,20,50,70)=70	(110,35,35,45)=70	(110,50,20,45)=70	(110,65,5,90)=70
(105,40,30,95)=50	(105,55,20,60)=75	(110,5,65,45)=70	(110,20,50,75)=70	(110,35,35,50)=70	(110,50,20,50)=70	(110,65,5,95)=70
(105,40,35,5)=75	(105,55,20,65)=75	(110,5,65,50)=70	(110,20,50,80)=70	(110,35,35,55)=70	(110,50,20,55)=70	(110,65,5,100)=70
(105,40,35,10)=75	(105,55,20,70)=75	(110,5,65,55)=70	(110,20,50,85)=70	(110,35,35,60)=70	(110,50,20,60)=70	(110,65,5,105)=70
(105,40,35,15)=75	(105,55,20,75)=75	(110,5,65,60)=70	(110,20,50,90)=70	(110,35,35,65)=70	(110,50,20,65)=70	(115,5,60,5)=65
(105,40,35,20)=75	(105,55,20,80)=75	(110,5,65,65)=70	(110,20,50,95)=70	(110,35,35,70)=70	(110,50,20,70)=70	(115,5,60,10)=65
(105,40,35,25)=75	(105,55,20,85)=75	(110,5,65,70)=70	(110,20,50,100)=70	(110,35,35,75)=70	(110,50,20,75)=70	(115,5,60,15)=65
(105,40,35,30)=75	(105,55,20,90)=75	(110,5,65,75)=70	(110,20,50,105)=70	(110,35,35,80)=70	(110,50,20,80)=70	(115,5,60,20)=65
(105,40,35,35)=75	(105,55,20,95)=75	(110,5,65,80)=70	(110,25,45,5)=70	(110,35,35,85)=70	(110,50,20,85)=70	(115,5,60,25)=65
(105,40,35,40)=75	(105,55,20,100)=75	(110,5,65,85)=70	(110,25,45,10)=70	(110,35,35,90)=70	(110,50,20,90)=70	(115,5,60,30)=65
(105,40,35,45)=75	(105,60,15,5)=75	(110,5,65,90)=70	(110,25,45,15)=70	(110,35,35,95)=70	(110,50,20,95)=70	(115,5,60,35)=65
(105,40,35,50)=75	(105,60,15,10)=75	(110,5,65,95)=70	(110,25,45,20)=70	(110,35,35,100)=70	(110,50,20,100)=70	(115,5,60,40)=65
(105,40,35,55)=75	(105,60,15,15)=75	(110,5,65,100)=70	(110,25,45,25)=70	(110,35,35,105)=70	(110,50,20,105)=70	(115,5,60,45)=65
(105,40,35,60)=75	(105,60,15,20)=75	(110,5,65,105)=70	(110,25,45,30)=70	(110,35,40,55)=80	(110,55,5,25)=35	(115,5,60,50)=65
(105,40,35,65)=75	(105,60,15,25)=75	(110,10,30,55)=35	(110,25,45,35)=70	(110,35,45,55)=90	(110,55,5,35)=30	(115,5,60,55)=65
(105,40,35,70)=75	(105,60,15,30)=75	(110,10,60,5)=70	(110,25,45,40)=70	(110,40,5,35)=15	(110,55,10,75)=40	(115,5,60,60)=65
(105,40,35,75)=75	(105,60,15,35)=75	(110,10,60,10)=70	(110,25,45,45)=70	(110,40,10,10)=40	(110,55,10,85)=35	(115,5,60,65)=65
(105,40,35,80)=75	(105,60,15,40)=75	(110,10,60,15)=70	(110,25,45,50)=70	(110,40,10,30)=30	(110,55,10,30)=30	(115,5,60,70)=65
(105,40,35,85)=75	(105,60,15,45)=75	(110,10,60,20)=70	(110,25,45,55)=70	(110,40,10,70)=20	(110,55,15,10)=70	(115,5,60,75)=65
(105,40,35,90)=75	(105,60,15,50)=75	(110,10,60,25)=70	(110,25,45,60)=70	(110,40,15,55)=35	(110,55,15,15)=70	(115,5,60,80)=65
(105,40,35,95)=75	(105,60,15,55)=75	(110,10,60,30)=70	(110,25,45,65)=70	(110,40,20,40)=50	(110,55,15,20)=70	(115,5,60,85)=65
(105,40,35,100)=75	(105,60,15,60)=75	(110,10,60,35)=70	(110,25,45,70)=70	(110,40,20,80)=40	(110,55,15,25)=70	(115,5,60,90)=65
(105,45,15,40)=45	(105,60,15,65)=75	(110,10,60,40)=70	(110,25,45,75)=70	(110,40,20,100)=30	(110,55,15,30)=70	(115,5,60,95)=65
(105,45,15,75)=30	(105,60,15,70)=75	(110,10,60,45)=70	(110,25,45,80)=70	(110,40,25,75)=55	(110,55,15,35)=70	(115,5,60,100)=65
(105,45,30,5)=75	(105,60,15,75)=75	(110,10,60,50)=70	(110,25,45,85)=70	(110,40,30,5)=70	(110,55,15,40)=70	(115,5,60,105)=65
(105,45,30,10)=75	(105,60,15,80)=75	(110,10,60,55)=70	(110,25,45,90)=70	(110,40,30,10)=70	(110,55,15,45)=70	(115,5,60,110)=65
(105,45,30,15)=75	(105,60,15,85)=75	(110,10,60,60)=70	(110,25,45,95)=70	(110,40,30,15)=70	(110,55,15,50)=70	(115,10,25,50)=30
(105,45,30,20)=75	(105,60,15,90)=75	(110,10,60,65)=70	(110,25,45,100)=70	(110,40,30,20)=70	(110,55,15,55)=70	(115,10,30,65)=35
(105,45,30,25)=75	(105,60,15,95)=75	(110,10,60,70)=70	(110,25,45,105)=70	(110,40,30,25)=70	(110,55,15,60)=70	(115,10,55,5)=65
(105,45,30,30)=75	(105,60,15,100)=75	(110,10,60,75)=70	(110,30,10,10)=30	(110,40,30,30)=70	(110,55,15,65)=70	(115,10,55,10)=65
(105,45,30,35)=75	(105,65,10,5)=75	(110,10,60,80)=70	(110,30,10,40)=20	(110,40,30,35)=70	(110,55,15,70)=70	(115,10,55,15)=65
(105,45,30,40)=75	(105,65,10,10)=75	(110,10,60,85)=70	(110,30,10,75)=15	(110,40,30,40)=70	(110,55,15,75)=70	(115,10,55,20)=65
(105,45,30,45)=75	(105,65,10,15)=75	(110,10,60,90)=70	(110,30,20,30)=40	(110,40,30,45)=70	(110,55,15,80)=70	(115,10,55,25)=65
(105,45,30,50)=75	(105,65,10,20)=75	(110,10,60,95)=70	(110,30,20,55)=35	(110,40,30,50)=70	(110,55,15,85)=70	(115,10,55,30)=65
(105,45,30,55)=75	(105,65,10,25)=75	(110,10,60,100)=70	(110,30,20,80)=30	(110,40,30,55)=70	(110,55,15,90)=70	(115,10,55,35)=65
(105,45,30,60)=75	(105,65,10,30)=75	(110,10,60,105)=70	(110,30,30,35)=55	(110,40,30,60)=70	(110,55,15,95)=70	(115,10,55,40)=65
(105,45,30,65)=75	(105,65,10,35)=75	(110,15,25,25)=35	(110,30,30,70)=50	(110,40,30,65)=70	(110,55,15,100)=70	(115,10,55,45)=65
(105,45,30,70)=75	(105,65,10,40)=75	(110,15,25,75)=30	(110,30,30,100)=40	(110,40,30,70)=70	(110,55,15,105)=70	(115,10,55,50)=65
(105,45,30,75)=75	(105,65,10,45)=75	(110,15,30,35)=40	(110,30,40,5)=70	(110,40,30,75)=70	(110,60,5,55)=35	(115,10,55,55)=65
(105,45,30,80)=75	(105,65,10,50)=75	(110,15,30,85)=35	(110,30,40,10)=70	(110,40,30,80)=70	(110,60,10,5)=70	(115,10,55,60)=65
(105,45,30,85)=75	(105,65,10,55)=75	(110,15,55,5)=70	(110,30,40,15)=70	(110,40,30,85)=70	(110,60,10,10)=70	(115,10,55,65)=65
(105,45,30,90)=75	(105,65,10,60)=75	(110,15,55,10)=70	(110,30,40,20)=70	(110,40,30,90)=70	(110,60,10,15)=70	(115,10,55,70)=65
(105,45,30,95)=75	(105,65,10,65)=75	(110,15,55,15)=70	(110,30,40,25)=70	(110,40,30,95)=70	(110,60,10,20)=70	(115,10,55,75)=65
(105,45,30,100)=75	(105,65,10,70)=75	(110,15,55,20)=70	(110,30,40,30)=70	(110,40,30,100)=70	(110,60,10,25)=70	(115,10,55,80)=65
(105,50,5,10)=35	(105,65,10,75)=75	(110,15,55,25)=70	(110,30,40,35)=70	(110,40,30,105)=70	(110,60,10,30)=70	(115,10,55,85)=65
(105,50,20,95)=40	(105,65,10,80)=75	(110,15,55,30)=70	(110,30,40,40)=70	(110,45,25,5)=70	(110,60,10,35)=70	(115,10,55,90)=65
(105,50,25,5)=75	(105,65,10,85)=75	(110,15,55,35)=70	(110,30,40,45)=70	(110,45,25,10)=70	(110,60,10,40)=70	(115,10,55,95)=65
(105,50,25,10)=75	(105,65,10,90)=75	(110,15,55,40)=70	(110,30,40,50)=70	(110,45,25,15)=70	(110,60,10,45)=70	(115,10,55,100)=65
(105,50,25,15)=75	(105,65,10,95)=75	(110,15,55,45)=70	(110,30,40,55)=70	(110,45,25,20)=70	(110,60,10,50)=70	(115,10,55,105)=65
(105,50,25,20)=75	(105,65,10,100)=75	(110,15,55,50)=70	(110,30,40,60)=70	(110,45,25,25)=70	(110,60,10,55)=70	(115,10,55,110)=65
(105,50,25,25)=75	(105,70,5,5)=75	(110,15,55,55)=70	(110,30,40,65)=70	(110,45,25,30)=70	(110,60,10,60)=70	(115,15,20,20)=30
(105,50,25,30)=75	(105,70,5,10)=75	(110,15,55,60)=70	(110,30,40,70)=70	(110,45,25,35)=70	(110,60,10,65)=70	(115,15,25,30)=35
(105,50,25,35)=75	(105,70,5,15)=75	(110,15,55,65)=70	(110,30,40,75)=70	(110,45,25,40)=70	(110,60,10,70)=70	(115,15,25,85)=30
(105,50,25,40)=75	(105,70,5,20)=75	(110,15,55,70)=70	(110,30,40,80)=70	(110,45,25,45)=70	(110,60,10,75)=70	(115,15,30,95)=35
(105,50,25,45)=75	(105,70,5,25)=75	(110,15,55,75)=70	(110,30,40,85)=70	(110,45,25,50)=70	(110,60,10,80)=70	(115,15,50,5)=65
(105,50,25,50)=75	(105,70,5,30)=75	(110,15,55,80)=70	(110,30,40,90)=70	(110,45,25,55)=70	(110,60,10,85)=70	(115,15,50,10)=65
(105,50,25,55)=75	(105,70,5,35)=75	(110,15,55,85)=70	(110,30,40,95)=70	(110,45,25,60)=70	(110,60,10,90)=70	(115,15,50,15)=65
(105,50,25,60)=75	(105,70,5,40)=75	(110,15,55,90)=70	(110,30,40,100)=70	(110,45,25,65)=70	(110,60,10,95)=70	(115,15,50,20)=65
(105,50,25,65)=75	(105,70,5,45)=75	(110,15,55,95)=70	(110,30,40,105)=70	(110,45,25,70)=70	(110,60,10,100)=70	(115,15,50,25)=65
(105,50,25,70)=75	(105,70,5,50)=75	(110,15,55,100)=70	(110,35,5,25)=15	(110,45,25,75)=70	(110,60,10,105)=70	(115,15,50,30)=65
(105,50,25,75)=75	(105,70,5,55)=75	(110,15,55,105)=70	(110,35,5,55)=10	(110,45,25,80)=70	(110,65,5,5)=70	(115,15,50,35)=65
(105,50,25,80)=75	(105,70,5,60)=75	(110,20,20,40)=30	(110,35,10,55)=20	(110,45,25,85)=70	(110,65,5,10)=70	(115,15,50,40)=65
(105,50,25,85)=75	(105,70,5,65)=75	(110,20,25,55)=35	(110,35,10,85)=15	(110,45,25,90)=70	(110,65,5,15)=70	(115,15,50,45)=65
(105,50,25,90)=75	(105,70,5,70)=75	(110,20,30,70)=40	(110,35,15,55)=30	(110,45,25,95)=70	(110,65,5,20)=70	(115,15,50,50)=65
(105,50,25,95)=75	(105,70,5,75)=75	(110,20,50,5)=70	(110,35,20,55)=40	(110,45,25,100)=70	(110,65,5,25)=70	(115,15,50,55)=65
(105,50,25,100)=75	(105,70,5,80)=75	(110,20,50,10)=70	(110,35,25,25)=55	(110,45,25,105)=70	(110,65,5,30)=70	(115,15,50,60)=65
(105,50,30,35)=85	(105,70,5,85)=75	(110,20,50,15)=70	(110,35,25,55)=50	(110,50,10,40)=40	(110,65,5,35)=70	(115,15,50,65)=65
(105,55,20,5)=75	(105,70,5,90)=75	(110,20,50,20)=70	(110,35,30,55)=60	(110,50,10,55)=35	(110,65,5,40)=70	(115,15,50,70)=65
(105,55,20,10)=75	(105,70,5,95)=75	(110,20,50,25)=70	(110,35,30,85)=55	(110,50,10,70)=30	(110,65,5,45)=70	(115,15,50,75)=65
(105,55,20,15)=75	(105,70,5,100)=75	(110,20,50,30)=70	(110,35,35,5)=70	(110,50,20,5)=70	(110,65,5,50)=70	(115,15,50,80)=65
(105,55,20,20)=75	(110,5,65,5)=70	(110,20,50,35)=70	(110,35,35,10)=70	(110,50,20,10)=70	(110,65,5,55)=70	(115,15,50,85)=65

(115,15,50,90)=65	(115,30,40,85)=80	(115,50,10,95)=30	(120,5,55,45)=60	(120,20,40,65)=60	(120,35,25,55)=60	(120,50,10,65)=60
(115,15,50,95)=65	(115,35,5,30)=15	(115,50,15,5)=65	(120,5,55,50)=60	(120,20,40,70)=60	(120,35,25,60)=60	(120,50,10,70)=60
(115,15,50,100)=65	(115,35,5,65)=10	(115,50,15,10)=65	(120,5,55,55)=60	(120,20,40,75)=60	(120,35,25,65)=60	(120,50,10,75)=60
(115,15,50,105)=65	(115,35,10,95)=15	(115,50,15,15)=65	(120,5,55,60)=60	(120,20,40,80)=60	(120,35,25,70)=60	(120,50,10,80)=60
(115,15,50,110)=65	(115,35,20,20)=50	(115,50,15,20)=65	(120,5,55,65)=60	(120,20,40,85)=60	(120,35,25,75)=60	(120,50,10,85)=60
(115,20,45,5)=65	(115,35,25,50)=55	(115,50,15,25)=65	(120,5,55,70)=60	(120,20,40,90)=60	(120,35,25,80)=60	(120,50,10,90)=60
(115,20,45,10)=65	(115,35,25,85)=50	(115,50,15,30)=65	(120,5,55,75)=60	(120,20,40,95)=60	(120,35,25,85)=60	(120,50,10,95)=60
(115,20,45,15)=65	(115,35,30,5)=65	(115,50,15,35)=65	(120,5,55,80)=60	(120,20,40,100)=60	(120,35,25,90)=60	(120,50,10,100)=60
(115,20,45,20)=65	(115,35,30,10)=65	(115,50,15,40)=65	(120,5,55,85)=60	(120,20,40,105)=60	(120,35,25,95)=60	(120,50,10,105)=60
(115,20,45,25)=65	(115,35,30,15)=65	(115,50,15,45)=65	(120,5,55,90)=60	(120,20,40,110)=60	(120,35,25,100)=60	(120,50,10,110)=60
(115,20,45,30)=65	(115,35,30,20)=65	(115,50,15,50)=65	(120,5,55,95)=60	(120,20,40,115)=60	(120,35,25,105)=60	(120,50,10,115)=60
(115,20,45,35)=65	(115,35,30,25)=65	(115,50,15,55)=65	(120,5,55,100)=60	(120,20,50,80)=80	(120,35,25,110)=60	(120,55,5,5)=60
(115,20,45,40)=65	(115,35,30,30)=65	(115,50,15,60)=65	(120,5,55,105)=60	(120,20,55,40)=80	(120,35,25,115)=60	(120,55,5,10)=60
(115,20,45,45)=65	(115,35,30,35)=65	(115,50,15,65)=65	(120,5,55,110)=60	(120,25,35,5)=60	(120,40,10,20)=40	(120,55,5,15)=60
(115,20,45,50)=65	(115,35,30,40)=65	(115,50,15,70)=65	(120,5,55,115)=60	(120,25,35,10)=60	(120,40,10,60)=30	(120,55,5,20)=60
(115,20,45,55)=65	(115,35,30,45)=65	(115,50,15,75)=65	(120,10,25,60)=30	(120,25,35,15)=60	(120,40,10,100)=20	(120,55,5,25)=60
(115,20,45,60)=65	(115,35,30,50)=65	(115,50,15,80)=65	(120,10,50,5)=60	(120,25,35,20)=60	(120,40,20,5)=60	(120,55,5,30)=60
(115,20,45,65)=65	(115,35,30,55)=65	(115,50,15,85)=65	(120,10,50,10)=60	(120,25,35,25)=60	(120,40,20,10)=60	(120,55,5,35)=60
(115,20,45,70)=65	(115,35,30,60)=65	(115,50,15,90)=65	(120,10,50,15)=60	(120,25,35,30)=60	(120,40,20,15)=60	(120,55,5,40)=60
(115,20,45,75)=65	(115,35,30,65)=65	(115,50,15,95)=65	(120,10,50,20)=60	(120,25,35,35)=60	(120,40,20,20)=60	(120,55,5,45)=60
(115,20,45,80)=65	(115,35,30,70)=65	(115,50,15,100)=65	(120,10,50,25)=60	(120,25,35,40)=60	(120,40,20,25)=60	(120,55,5,50)=60
(115,20,45,85)=65	(115,35,30,75)=65	(115,50,15,105)=65	(120,10,50,30)=60	(120,25,35,45)=60	(120,40,20,30)=60	(120,55,5,55)=60
(115,20,45,90)=65	(115,35,30,80)=65	(115,50,15,110)=65	(120,10,50,35)=60	(120,25,35,50)=60	(120,40,20,35)=60	(120,55,5,60)=60
(115,20,45,95)=65	(115,35,30,85)=65	(115,55,5,50)=35	(120,10,50,40)=60	(120,25,35,55)=60	(120,40,20,40)=60	(120,55,5,65)=60
(115,20,45,100)=65	(115,35,30,90)=65	(115,55,5,65)=30	(120,10,50,45)=60	(120,25,35,60)=60	(120,40,20,45)=60	(120,55,5,70)=60
(115,20,45,105)=65	(115,35,30,95)=65	(115,55,10,5)=65	(120,10,50,50)=60	(120,25,35,65)=60	(120,40,20,50)=60	(120,55,5,75)=60
(115,20,45,110)=65	(115,35,30,100)=65	(115,55,10,10)=65	(120,10,50,55)=60	(120,25,35,70)=60	(120,40,20,55)=60	(120,55,5,80)=60
(115,25,40,5)=65	(115,35,30,105)=65	(115,55,10,15)=65	(120,10,50,60)=60	(120,25,35,75)=60	(120,40,20,60)=60	(120,55,5,85)=60
(115,25,40,10)=65	(115,35,40,10)=65	(115,55,10,20)=65	(120,10,50,65)=60	(120,25,35,80)=60	(120,40,20,65)=60	(120,55,5,90)=60
(115,25,40,15)=65	(115,35,40,30)=80	(115,55,10,25)=65	(120,10,50,70)=60	(120,25,35,85)=60	(120,40,20,70)=60	(120,55,5,95)=60
(115,25,40,20)=65	(115,40,25,5)=65	(115,55,10,30)=65	(120,10,50,75)=60	(120,25,35,90)=60	(120,40,20,75)=60	(120,55,5,100)=60
(115,25,40,25)=65	(115,40,25,10)=65	(115,55,10,35)=65	(120,10,50,80)=60	(120,25,35,95)=60	(120,40,20,80)=60	(120,55,5,105)=60
(115,25,40,30)=65	(115,40,25,15)=65	(115,55,10,40)=65	(120,10,50,85)=60	(120,25,35,100)=60	(120,40,20,85)=60	(120,55,5,110)=60
(115,25,40,35)=65	(115,40,25,20)=65	(115,55,10,45)=65	(120,10,50,90)=60	(120,25,35,105)=60	(120,40,20,90)=60	(120,55,5,115)=60
(115,25,40,40)=65	(115,40,25,25)=65	(115,55,10,50)=65	(120,10,50,95)=60	(120,25,35,110)=60	(120,40,20,95)=60	(125,5,50,5)=55
(115,25,40,45)=65	(115,40,25,30)=65	(115,55,10,55)=65	(120,10,50,100)=60	(120,25,35,115)=60	(120,40,20,100)=60	(125,5,50,10)=55
(115,25,40,50)=65	(115,40,25,35)=65	(115,55,10,60)=65	(120,10,50,105)=60	(120,30,5,60)=10	(120,40,20,105)=60	(125,5,50,15)=55
(115,25,40,55)=65	(115,40,25,40)=65	(115,55,10,65)=65	(120,10,50,110)=60	(120,30,10,60)=20	(120,40,20,110)=60	(125,5,50,20)=55
(115,25,40,60)=65	(115,40,25,45)=65	(115,55,10,70)=65	(120,10,50,115)=60	(120,30,15,60)=30	(120,40,20,115)=60	(125,5,50,25)=55
(115,25,40,65)=65	(115,40,25,50)=65	(115,55,10,75)=65	(120,15,45,5)=60	(120,30,20,60)=40	(120,40,25,80)=80	(125,5,50,30)=55
(115,25,40,70)=65	(115,40,25,55)=65	(115,55,10,80)=65	(120,15,45,10)=60	(120,30,25,60)=50	(120,40,30,40)=80	(125,5,50,35)=55
(115,25,40,75)=65	(115,40,25,60)=65	(115,55,10,85)=65	(120,15,45,15)=60	(120,30,30,5)=60	(120,45,15,5)=60	(125,5,50,40)=55
(115,25,40,80)=65	(115,40,25,65)=65	(115,55,10,90)=65	(120,15,45,20)=60	(120,30,30,10)=60	(120,45,15,10)=60	(125,5,50,45)=55
(115,25,40,85)=65	(115,40,25,70)=65	(115,55,10,95)=65	(120,15,45,25)=60	(120,30,30,15)=60	(120,45,15,15)=60	(125,5,50,50)=55
(115,25,40,90)=65	(115,40,25,75)=65	(115,55,10,100)=65	(120,15,45,30)=60	(120,30,30,20)=60	(120,45,15,20)=60	(125,5,50,55)=55
(115,25,40,95)=65	(115,40,25,80)=65	(115,55,10,105)=65	(120,15,45,35)=60	(120,30,30,25)=60	(120,45,15,25)=60	(125,5,50,60)=55
(115,25,40,100)=65	(115,40,25,85)=65	(115,55,10,110)=65	(120,15,45,40)=60	(120,30,30,30)=60	(120,45,15,30)=60	(125,5,50,65)=55
(115,25,40,105)=65	(115,40,25,90)=65	(115,60,5,5)=65	(120,15,45,45)=60	(120,30,30,35)=60	(120,45,15,35)=60	(125,5,50,70)=55
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(115,30,5,20)=15	(115,40,25,100)=65	(115,60,5,15)=65	(120,15,45,55)=60	(120,30,30,45)=60	(120,45,15,45)=60	(125,5,50,80)=55
(115,30,5,50)=10	(115,40,25,105)=65	(115,60,5,20)=65	(120,15,45,60)=60	(120,30,30,50)=60	(120,45,15,50)=60	(125,5,50,85)=55
(115,30,10,85)=15	(115,40,25,110)=65	(115,60,5,25)=65	(120,15,45,65)=60	(120,30,30,55)=60	(120,45,15,55)=60	(125,5,50,90)=55
(115,30,25,30)=50	(115,45,20,5)=65	(115,60,5,30)=65	(120,15,45,70)=60	(120,30,30,60)=60	(120,45,15,60)=60	(125,5,50,95)=55
(115,30,30,65)=55	(115,45,20,10)=65	(115,60,5,35)=65	(120,15,45,75)=60	(120,30,30,65)=60	(120,45,15,65)=60	(125,5,50,100)=55
(115,30,30,95)=50	(115,45,20,15)=65	(115,60,5,40)=65	(120,15,45,80)=60	(120,30,30,70)=60	(120,45,15,70)=60	(125,5,50,105)=55
(115,30,35,5)=65	(115,45,20,20)=65	(115,60,5,45)=65	(120,15,45,85)=60	(120,30,30,75)=60	(120,45,15,75)=60	(125,5,50,110)=55
(115,30,35,10)=65	(115,45,20,25)=65	(115,60,5,50)=65	(120,15,45,90)=60	(120,30,30,80)=60	(120,45,15,80)=60	(125,5,50,115)=55
(115,30,35,15)=65	(115,45,20,30)=65	(115,60,5,55)=65	(120,15,45,95)=60	(120,30,30,85)=60	(120,45,15,85)=60	(125,5,50,120)=55
(115,30,35,20)=65	(115,45,20,35)=65	(115,60,5,60)=65	(120,15,45,100)=60	(120,30,30,90)=60	(120,45,15,90)=60	(125,5,75,70)=85
(115,30,35,25)=65	(115,45,20,40)=65	(115,60,5,65)=65	(120,15,45,105)=60	(120,30,30,95)=60	(120,45,15,95)=60	(125,10,45,5)=55
(115,30,35,30)=65	(115,45,20,45)=65	(115,60,5,70)=65	(120,15,45,110)=60	(120,30,30,100)=60	(120,45,15,100)=60	(125,10,45,10)=55
(115,30,35,35)=65	(115,45,20,50)=65	(115,60,5,75)=65	(120,15,45,115)=60	(120,30,30,105)=60	(120,45,15,105)=60	(125,10,45,15)=55
(115,30,35,40)=65	(115,45,20,55)=65	(115,60,5,80)=65	(120,20,10,20)=20	(120,30,30,110)=60	(120,45,15,110)=60	(125,10,45,20)=55
(115,30,35,45)=65	(115,45,20,60)=65	(115,60,5,85)=65	(120,20,20,60)=30	(120,30,30,115)=60	(120,45,15,115)=60	(125,10,45,25)=55
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(115,30,35,55)=65	(115,45,20,70)=65	(115,60,5,95)=65	(120,20,40,5)=60	(120,30,40,60)=80	(120,50,10,5)=60	(125,10,45,35)=55
(115,30,35,60)=65	(115,45,20,75)=65	(115,60,5,100)=65	(120,20,40,10)=60	(120,30,45,60)=90	(120,50,10,10)=60	(125,10,45,40)=55
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(115,30,35,70)=65	(115,45,20,85)=65	(115,60,5,110)=65	(120,20,40,20)=60	(120,35,25,10)=60	(120,50,10,20)=60	(125,10,45,50)=55
(115,30,35,75)=65	(115,45,20,90)=65	(120,5,55,5)=60	(120,20,40,25)=60	(120,35,25,15)=60	(120,50,10,25)=60	(125,10,45,55)=55
(115,30,35,80)=65	(115,45,20,95)=65	(120,5,55,10)=60	(120,20,40,30)=60	(120,35,25,20)=60	(120,50,10,30)=60	(125,10,45,60)=55
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(115,30,35,95)=65	(115,45,20,110)=65	(120,5,55,25)=60	(120,20,40,45)=60	(120,35,25,35)=60	(120,50,10,45)=60	(125,10,45,75)=55
(115,30,35,100)=65	(115,50,5,20)=35	(120,5,55,30)=60	(120,20,40,50)=60	(120,35,25,40)=60	(120,50,10,50)=60	(125,10,45,80)=55
(115,30,35,105)=65	(115,50,5,30)=30	(120,5,55,35)=60	(120,20,40,55)=60	(120,35,25,45)=60	(120,50,10,55)=60	(125,10,45,85)=55
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(125,10,45,95)=55	(125,25,30,95)=55	(125,40,15,60)=55	(130,5,45,75)=50	(130,20,30,60)=50	(130,30,20,95)=50	(130,45,5,70)=50
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(125,15,40,5)=55	(125,25,35,110)=85	(125,40,15,100)=55	(130,5,45,115)=50	(130,20,30,100)=50	(130,30,30,50)=70	(130,45,5,110)=50
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(125,15,40,15)=55	(125,30,5,30)=15	(125,40,15,110)=55	(130,5,45,125)=50	(130,20,30,110)=50	(130,30,40,15)=75	(130,45,5,120)=50
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(125,15,40,65)=55	(125,30,25,45)=55	(125,45,10,35)=55	(130,10,40,45)=50	(130,25,10,65)=20	(130,35,15,45)=50	(135,5,40,45)=45
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(125,15,40,85)=55	(125,30,25,65)=55	(125,45,10,55)=55	(130,10,40,65)=50	(130,25,25,10)=50	(130,35,15,65)=50	(135,5,40,65)=45
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(125,15,40,120)=55	(125,30,25,100)=55	(125,45,10,90)=55	(130,10,40,100)=50	(130,25,25,45)=50	(130,35,15,100)=50	(135,5,40,100)=45
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(125,20,35,20)=55	(125,30,30,55)=65	(125,45,10,115)=55	(130,10,40,125)=50	(130,25,25,70)=50	(130,35,15,125)=50	(135,5,40,125)=45
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(125,20,35,30)=55	(125,30,35,30)=70	(125,50,5,5)=55	(130,15,35,5)=50	(130,25,25,80)=50	(130,40,10,5)=50	(135,5,80,50)=90
(125,20,35,35)=55	(125,30,50,15)=85	(125,50,5,10)=55	(130,15,35,10)=50	(130,25,25,85)=50	(130,40,10,10)=50	(135,10,35,5)=45
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(125,20,35,55)=55	(125,35,20,20)=55	(125,50,5,30)=55	(130,15,35,30)=50	(130,25,25,105)=50	(130,40,10,30)=50	(135,10,35,25)=45
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(125,20,35,80)=55	(125,35,20,45)=55	(125,50,5,55)=55	(130,15,35,55)=50	(130,25,30,65)=60	(130,40,10,55)=50	(135,10,35,50)=45
(125,20,35,85)=55	(125,35,20,50)=55	(125,50,5,60)=55	(130,15,35,60)=50	(130,25,30,95)=65	(130,40,10,60)=50	(135,10,35,55)=45
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(125,25,30,70)=55	(125,40,15,35)=55	(130,5,45,50)=50	(130,20,30,35)=50	(130,30,20,70)=50	(130,45,5,45)=50	(135,15,30,35)=45
(125,25,30,75)=55	(125,40,15,40)=55	(130,5,45,55)=50	(130,20,30,40)=50	(130,30,20,75)=50	(130,45,5,50)=50	(135,15,30,40)=45
(125,25,30,80)=55	(125,40,15,45)=55	(130,5,45,60)=50	(130,20,30,45)=50	(130,30,20,80)=50	(130,45,5,55)=50	(135,15,30,45)=45
(125,25,30,85)=55	(125,40,15,50)=55	(130,5,45,65)=50	(130,20,30,50)=50	(130,30,20,85)=50	(130,45,5,60)=50	(135,15,30,50)=45
(125,25,30,90)=55	(125,40,15,55)=55	(130,5,45,70)=50	(130,20,30,55)=50	(130,30,20,90)=50	(130,45,5,65)=50	(135,15,30,55)=45

(135,15,30,60)=45	(135,30,15,30)=45	(140,5,35,10)=40	(140,15,25,75)=40	(140,25,15,105)=40	(145,5,30,30)=35	(145,15,20,90)=35
(135,15,30,65)=45	(135,30,15,35)=45	(140,5,35,15)=40	(140,15,25,80)=40	(140,25,15,110)=40	(145,5,30,35)=35	(145,15,20,95)=35
(135,15,30,70)=45	(135,30,15,40)=45	(140,5,35,20)=40	(140,15,25,85)=40	(140,25,15,115)=40	(145,5,30,40)=35	(145,15,20,100)=35
(135,15,30,75)=45	(135,30,15,45)=45	(140,5,35,25)=40	(140,15,25,90)=40	(140,25,15,120)=40	(145,5,30,45)=35	(145,15,20,105)=35
(135,15,30,80)=45	(135,30,15,50)=45	(140,5,35,30)=40	(140,15,25,95)=40	(140,25,15,125)=40	(145,5,30,50)=35	(145,15,20,110)=35
(135,15,30,85)=45	(135,30,15,55)=45	(140,5,35,35)=40	(140,15,25,100)=40	(140,25,15,130)=40	(145,5,30,55)=35	(145,15,20,115)=35
(135,15,30,90)=45	(135,30,15,60)=45	(140,5,35,40)=40	(140,15,25,105)=40	(140,25,15,135)=40	(145,5,30,60)=35	(145,15,20,120)=35
(135,15,30,95)=45	(135,30,15,65)=45	(140,5,35,45)=40	(140,15,25,110)=40	(140,25,30,75)=80	(145,5,30,65)=35	(145,15,20,125)=35
(135,15,30,100)=45	(135,30,15,70)=45	(140,5,35,50)=40	(140,15,25,115)=40	(140,30,5,70)=20	(145,5,30,70)=35	(145,15,20,130)=35
(135,15,30,105)=45	(135,30,15,75)=45	(140,5,35,55)=40	(140,15,25,120)=40	(140,30,10,5)=40	(145,5,30,75)=35	(145,15,20,135)=35
(135,15,30,110)=45	(135,30,15,80)=45	(140,5,35,60)=40	(140,15,25,125)=40	(140,30,10,10)=40	(145,5,30,80)=35	(145,15,20,140)=35
(135,15,30,115)=45	(135,30,15,85)=45	(140,5,35,65)=40	(140,15,25,130)=40	(140,30,10,15)=40	(145,5,30,85)=35	(145,15,40,70)=70
(135,15,30,120)=45	(135,30,15,90)=45	(140,5,35,70)=40	(140,15,25,135)=40	(140,30,10,20)=40	(145,5,30,90)=35	(145,20,15,5)=35
(135,15,30,125)=45	(135,30,15,95)=45	(140,5,35,75)=40	(140,15,50,65)=80	(140,30,10,25)=40	(145,5,30,95)=35	(145,20,15,10)=35
(135,15,30,130)=45	(135,30,15,100)=45	(140,5,35,80)=40	(140,20,5,70)=10	(140,30,10,30)=40	(145,5,30,100)=35	(145,20,15,15)=35
(135,15,45,90)=75	(135,30,15,105)=45	(140,5,35,85)=40	(140,20,10,70)=20	(140,30,10,35)=40	(145,5,30,105)=35	(145,20,15,20)=35
(135,15,45,105)=90	(135,30,15,110)=45	(140,5,35,90)=40	(140,20,15,70)=30	(140,30,10,40)=40	(145,5,30,110)=35	(145,20,15,25)=35
(135,15,60,60)=90	(135,30,15,115)=45	(140,5,35,95)=40	(140,20,20,5)=40	(140,30,10,45)=40	(145,5,30,115)=35	(145,20,15,30)=35
(135,20,25,5)=45	(135,30,15,120)=45	(140,5,35,100)=40	(140,20,20,10)=40	(140,30,10,50)=40	(145,5,30,120)=35	(145,20,15,35)=35
(135,20,25,10)=45	(135,30,15,125)=45	(140,5,35,105)=40	(140,20,20,15)=40	(140,30,10,55)=40	(145,5,30,125)=35	(145,20,15,40)=35
(135,20,25,15)=45	(135,30,15,130)=45	(140,5,35,110)=40	(140,20,20,20)=40	(140,30,10,60)=40	(145,5,30,130)=35	(145,20,15,45)=35
(135,20,25,20)=45	(135,30,30,45)=75	(140,5,35,115)=40	(140,20,20,25)=40	(140,30,10,65)=40	(145,5,30,135)=35	(145,20,15,50)=35
(135,20,25,25)=45	(135,30,45,30)=90	(140,5,35,120)=40	(140,20,20,30)=40	(140,30,10,70)=40	(145,5,30,140)=35	(145,20,15,55)=35
(135,20,25,30)=45	(135,35,10,5)=45	(140,5,35,125)=40	(140,20,20,35)=40	(140,30,10,75)=40	(145,5,60,105)=65	(145,20,15,60)=35
(135,20,25,35)=45	(135,35,10,10)=45	(140,5,35,130)=40	(140,20,20,40)=40	(140,30,10,80)=40	(145,5,50,115)=75	(145,20,15,65)=35
(135,20,25,40)=45	(135,35,10,15)=45	(140,5,35,135)=40	(140,20,20,45)=40	(140,30,10,85)=40	(145,5,55,70)=65	(145,20,15,70)=35
(135,20,25,45)=45	(135,35,10,20)=45	(140,5,65,85)=80	(140,20,20,50)=40	(140,30,10,90)=40	(145,5,55,95)=70	(145,20,15,75)=35
(135,20,25,50)=45	(135,35,10,25)=45	(140,5,70,55)=80	(140,20,20,55)=40	(140,30,10,95)=40	(145,5,55,110)=85	(145,20,15,80)=35
(135,20,25,55)=45	(135,35,10,30)=45	(140,10,15,70)=20	(140,20,20,60)=40	(140,30,10,100)=40	(145,5,60,60)=70	(145,20,15,85)=35
(135,20,25,60)=45	(135,35,10,35)=45	(140,10,30,5)=40	(140,20,20,65)=40	(140,30,10,105)=40	(145,10,25,5)=35	(145,20,15,90)=35
(135,20,25,65)=45	(135,35,10,40)=45	(140,10,30,10)=40	(140,20,20,70)=40	(140,30,10,110)=40	(145,10,25,10)=35	(145,20,15,95)=35
(135,20,25,70)=45	(135,35,10,45)=45	(140,10,30,15)=40	(140,20,20,75)=40	(140,30,10,115)=40	(145,10,25,15)=35	(145,20,15,100)=35
(135,20,25,75)=45	(135,35,10,50)=45	(140,10,30,20)=40	(140,20,20,80)=40	(140,30,10,120)=40	(145,10,25,20)=35	(145,20,15,105)=35
(135,20,25,80)=45	(135,35,10,55)=45	(140,10,30,25)=40	(140,20,20,85)=40	(140,30,10,125)=40	(145,10,25,25)=35	(145,20,15,110)=35
(135,20,25,85)=45	(135,35,10,60)=45	(140,10,30,30)=40	(140,20,20,90)=40	(140,30,10,130)=40	(145,10,25,30)=35	(145,20,15,115)=35
(135,20,25,90)=45	(135,35,10,65)=45	(140,10,30,35)=40	(140,20,20,95)=40	(140,30,10,135)=40	(145,10,25,35)=35	(145,20,15,120)=35
(135,20,25,95)=45	(135,35,10,70)=45	(140,10,30,40)=40	(140,20,20,100)=40	(140,30,15,100)=70	(145,10,25,40)=35	(145,20,15,125)=35
(135,20,25,100)=45	(135,35,10,75)=45	(140,10,30,45)=40	(140,20,20,105)=40	(140,30,15,110)=80	(145,10,25,45)=35	(145,20,15,130)=35
(135,20,25,105)=45	(135,35,10,80)=45	(140,10,30,50)=40	(140,20,20,110)=40	(140,30,20,30)=60	(145,10,25,50)=35	(145,20,15,135)=35
(135,20,25,110)=45	(135,35,10,85)=45	(140,10,30,55)=40	(140,20,20,115)=40	(140,30,20,60)=70	(145,10,25,55)=35	(145,20,15,140)=35
(135,20,25,115)=45	(135,35,10,90)=45	(140,10,30,60)=40	(140,20,20,120)=40	(140,30,20,80)=80	(145,10,25,60)=35	(145,20,30,75)=70
(135,20,25,120)=45	(135,35,10,95)=45	(140,10,30,65)=40	(140,20,20,125)=40	(140,30,30,20)=70	(145,10,25,65)=35	(145,25,10,5)=35
(135,20,25,125)=45	(135,35,10,100)=45	(140,10,30,70)=40	(140,20,20,130)=40	(140,30,30,40)=80	(145,10,25,70)=35	(145,25,10,10)=35
(135,20,25,130)=45	(135,35,10,105)=45	(140,10,30,75)=40	(140,20,20,135)=40	(140,35,5,5)=40	(145,10,25,75)=35	(145,25,10,15)=35
(135,20,50,65)=90	(135,35,10,110)=45	(140,10,30,80)=40	(140,20,25,70)=50	(140,35,5,10)=40	(145,10,25,80)=35	(145,25,10,20)=35
(135,25,20,5)=45	(135,35,10,115)=45	(140,10,30,85)=40	(140,20,25,105)=55	(140,35,5,15)=40	(145,10,25,85)=35	(145,25,10,25)=35
(135,25,20,10)=45	(135,35,10,120)=45	(140,10,30,90)=40	(140,20,25,125)=75	(140,35,5,20)=40	(145,10,25,90)=35	(145,25,10,30)=35
(135,25,20,15)=45	(135,35,10,125)=45	(140,10,30,95)=40	(140,20,30,35)=55	(140,35,5,25)=40	(145,10,25,95)=35	(145,25,10,35)=35
(135,25,20,20)=45	(135,35,10,130)=45	(140,10,30,100)=40	(140,20,30,70)=60	(140,35,5,30)=40	(145,10,25,100)=35	(145,25,10,40)=35
(135,25,20,25)=45	(135,40,5,5)=45	(140,10,30,105)=40	(140,20,30,100)=70	(140,35,5,35)=40	(145,10,25,105)=35	(145,25,10,45)=35
(135,25,20,30)=45	(135,40,5,10)=45	(140,10,30,110)=40	(140,20,30,110)=80	(140,35,5,40)=40	(145,10,25,110)=35	(145,25,10,50)=35
(135,25,20,35)=45	(135,40,5,15)=45	(140,10,30,115)=40	(140,20,35,70)=70	(140,35,5,45)=40	(145,10,25,115)=35	(145,25,10,55)=35
(135,25,20,40)=45	(135,40,5,20)=45	(140,10,30,120)=40	(140,20,40,40)=70	(140,35,5,50)=40	(145,10,25,120)=35	(145,25,10,60)=35
(135,25,20,45)=45	(135,40,5,25)=45	(140,10,30,125)=40	(140,20,40,70)=80	(140,35,5,55)=40	(145,10,25,125)=35	(145,25,10,65)=35
(135,25,20,50)=45	(135,40,5,30)=45	(140,10,30,130)=40	(140,20,45,70)=90	(140,35,5,60)=40	(145,10,25,130)=35	(145,25,10,70)=35
(135,25,20,55)=45	(135,40,5,35)=45	(140,10,30,135)=40	(140,20,50,15)=75	(140,35,5,65)=40	(145,10,25,135)=35	(145,25,10,75)=35
(135,25,20,60)=45	(135,40,5,40)=45	(140,10,40,110)=60	(140,20,50,30)=80	(140,35,5,70)=40	(145,10,25,140)=35	(145,25,10,80)=35
(135,25,20,65)=45	(135,40,5,45)=45	(140,10,40,120)=70	(140,25,15,5)=40	(140,35,5,75)=40	(145,10,50,35)=65	(145,25,10,85)=35
(135,25,20,70)=45	(135,40,5,50)=45	(140,10,50,80)=70	(140,25,15,10)=40	(140,35,5,80)=40	(145,10,50,65)=70	(145,25,10,90)=35
(135,25,20,75)=45	(135,40,5,55)=45	(140,10,50,100)=80	(140,25,15,15)=40	(140,35,5,85)=40	(145,10,55,30)=70	(145,25,10,95)=35
(135,25,20,80)=45	(135,40,5,60)=45	(140,10,55,40)=70	(140,25,15,20)=40	(140,35,5,90)=40	(145,15,20,5)=35	(145,25,10,100)=35
(135,25,20,85)=45	(135,40,5,65)=45	(140,10,60,60)=80	(140,25,15,25)=40	(140,35,5,95)=40	(145,15,20,10)=35	(145,25,10,105)=35
(135,25,20,90)=45	(135,40,5,70)=45	(140,10,65,30)=80	(140,25,15,30)=40	(140,35,5,100)=40	(145,15,20,15)=35	(145,25,10,110)=35
(135,25,20,95)=45	(135,40,5,75)=45	(140,15,25,5)=40	(140,25,15,35)=40	(140,35,5,105)=40	(145,15,20,20)=35	(145,25,10,115)=35
(135,25,20,100)=45	(135,40,5,80)=45	(140,15,25,10)=40	(140,25,15,40)=40	(140,35,5,110)=40	(145,15,20,25)=35	(145,25,10,120)=35
(135,25,20,105)=45	(135,40,5,85)=45	(140,15,25,15)=40	(140,25,15,45)=40	(140,35,5,115)=40	(145,15,20,30)=35	(145,25,10,125)=35
(135,25,20,110)=45	(135,40,5,90)=45	(140,15,25,20)=40	(140,25,15,50)=40	(140,35,5,120)=40	(145,15,20,35)=35	(145,25,10,130)=35
(135,25,20,115)=45	(135,40,5,95)=45	(140,15,25,25)=40	(140,25,15,55)=40	(140,35,5,125)=40	(145,15,20,40)=35	(145,25,10,135)=35
(135,25,20,120)=45	(135,40,5,100)=45	(140,15,25,30)=40	(140,25,15,60)=40	(140,35,5,130)=40	(145,15,20,45)=35	(145,25,10,140)=35
(135,25,20,125)=45	(135,40,5,105)=45	(140,15,25,35)=40	(140,25,15,65)=40	(140,35,5,135)=40	(145,15,20,50)=35	(145,25,15,110)=65
(135,25,20,130)=45	(135,40,5,110)=45	(140,15,25,40)=40	(140,25,15,70)=40	(140,35,10,85)=80	(145,15,20,55)=35	(145,25,15,115)=70
(135,25,40,70)=90	(135,40,5,115)=45	(140,15,25,45)=40	(140,25,15,75)=40	(140,35,15,55)=80	(145,15,20,60)=35	(145,25,20,80)=70
(135,30,15,5)=45	(135,40,5,120)=45	(140,15,25,50)=40	(140,25,15,80)=40	(145,5,30,5)=35	(145,15,20,65)=35	(145,30,5,5)=35
(135,30,15,10)=45	(135,40,5,125)=45	(140,15,25,55)=40	(140,25,15,85)=40	(145,5,30,10)=35	(145,15,20,70)=35	(145,30,5,10)=35
(135,30,15,15)=45	(135,40,5,130)=45	(140,15,25,60)=40	(140,25,15,90)=40	(145,5,30,15)=35	(145,15,20,75)=35	(145,30,5,15)=35
(135,30,15,20)=45	(135,40,10,85)=90	(140,15,25,65)=40	(140,25,15,95)=40	(145,5,30,20)=35	(145,15,20,80)=35	(145,30,5,20)=35
(135,30,15,25)=45	(140,5,35,5)=40	(140,15,25,70)=40	(140,25,15,100)=40	(145,5,30,25)=35	(145,15,20,85)=35	(145,30,5,25)=35

(145,30,5,30)=35	(150,10,20,65)=30	(150,20,10,60)=30	(155,5,20,75)=25	(155,15,10,135)=25	(160,10,10,25)=20	(165,5,10,20)=15
(145,30,5,35)=35	(150,10,20,70)=30	(150,20,10,65)=30	(155,5,20,80)=25	(155,15,10,140)=25	(160,10,10,30)=20	(165,5,10,25)=15
(145,30,5,40)=35	(150,10,20,75)=30	(150,20,10,70)=30	(155,5,20,85)=25	(155,15,10,145)=25	(160,10,10,35)=20	(165,5,10,30)=15
(145,30,5,45)=35	(150,10,20,80)=30	(150,20,10,75)=30	(155,5,20,90)=25	(155,15,10,150)=25	(160,10,10,40)=20	(165,5,10,35)=15
(145,30,5,50)=35	(150,10,20,85)=30	(150,20,10,80)=30	(155,5,20,95)=25	(155,15,20,80)=50	(160,10,10,45)=20	(165,5,10,40)=15
(145,30,5,55)=35	(150,10,20,90)=30	(150,20,10,85)=30	(155,5,20,100)=25	(155,20,5,5)=25	(160,10,10,50)=20	(165,5,10,45)=15
(145,30,5,60)=35	(150,10,20,95)=30	(150,20,10,90)=30	(155,5,20,105)=25	(155,20,5,10)=25	(160,10,10,55)=20	(165,5,10,50)=15
(145,30,5,65)=35	(150,10,20,100)=30	(150,20,10,95)=30	(155,5,20,110)=25	(155,20,5,15)=25	(160,10,10,60)=20	(165,5,10,55)=15
(145,30,5,70)=35	(150,10,20,105)=30	(150,20,10,100)=30	(155,5,20,115)=25	(155,20,5,20)=25	(160,10,10,65)=20	(165,5,10,60)=15
(145,30,5,75)=35	(150,10,20,110)=30	(150,20,10,105)=30	(155,5,20,120)=25	(155,20,5,25)=25	(160,10,10,70)=20	(165,5,10,65)=15
(145,30,5,80)=35	(150,10,20,115)=30	(150,20,10,110)=30	(155,5,20,125)=25	(155,20,5,30)=25	(160,10,10,75)=20	(165,5,10,70)=15
(145,30,5,85)=35	(150,10,20,120)=30	(150,20,10,115)=30	(155,5,20,130)=25	(155,20,5,35)=25	(160,10,10,80)=20	(165,5,10,75)=15
(145,30,5,90)=35	(150,10,20,125)=30	(150,20,10,120)=30	(155,5,20,135)=25	(155,20,5,40)=25	(160,10,10,85)=20	(165,5,10,80)=15
(145,30,5,95)=35	(150,10,20,130)=30	(150,20,10,125)=30	(155,5,20,140)=25	(155,20,5,45)=25	(160,10,10,90)=20	(165,5,10,85)=15
(145,30,5,100)=35	(150,10,20,135)=30	(150,20,10,130)=30	(155,5,20,145)=25	(155,20,5,50)=25	(160,10,10,95)=20	(165,5,10,90)=15
(145,30,5,105)=35	(150,10,20,140)=30	(150,20,10,135)=30	(155,5,20,150)=25	(155,20,5,55)=25	(160,10,10,100)=20	(165,5,10,95)=15
(145,30,5,110)=35	(150,10,20,145)=30	(150,20,10,140)=30	(155,5,40,70)=50	(155,20,5,60)=25	(160,10,10,105)=20	(165,5,10,100)=15
(145,30,5,115)=35	(150,10,30,110)=50	(150,20,10,145)=30	(155,5,40,105)=55	(155,20,5,65)=25	(160,10,10,110)=20	(165,5,10,105)=15
(145,30,5,120)=35	(150,10,30,130)=70	(150,20,15,115)=55	(155,5,40,125)=75	(155,20,5,70)=25	(160,10,10,115)=20	(165,5,10,110)=15
(145,30,5,125)=35	(150,10,40,35)=55	(150,20,15,125)=65	(155,5,60,80)=80	(155,20,5,75)=25	(160,10,10,120)=20	(165,5,10,115)=15
(145,30,5,130)=35	(150,10,40,70)=60	(150,20,20,40)=50	(155,10,15,5)=25	(155,20,5,80)=25	(160,10,10,125)=20	(165,5,10,120)=15
(145,30,5,135)=35	(150,10,40,100)=70	(150,20,20,80)=60	(155,10,15,10)=25	(155,20,5,85)=25	(160,10,10,130)=20	(165,5,10,125)=15
(145,30,5,140)=35	(150,10,40,110)=80	(150,20,20,100)=70	(155,10,15,15)=25	(155,20,5,90)=25	(160,10,10,135)=20	(165,5,10,130)=15
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(150,5,25,15)=30	(150,15,15,15)=30	(150,25,5,20)=30	(155,10,15,60)=25	(155,20,5,135)=25	(160,10,25,80)=50	(165,5,30,125)=65
(150,5,25,20)=30	(150,15,15,20)=30	(150,25,5,25)=30	(155,10,15,65)=25	(155,20,5,140)=25	(160,10,30,40)=50	(165,5,35,110)=65
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(150,5,25,35)=30	(150,15,15,35)=30	(150,25,5,40)=30	(155,10,15,80)=25	(155,20,10,85)=50	(160,10,30,110)=80	(165,5,40,110)=80
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(150,5,25,70)=30	(150,15,15,70)=30	(150,25,5,75)=30	(155,10,15,115)=25	(160,5,15,20)=20	(160,15,5,10)=20	(165,10,5,35)=15
(150,5,25,75)=30	(150,15,15,75)=30	(150,25,5,80)=30	(155,10,15,120)=25	(160,5,15,25)=20	(160,15,5,15)=20	(165,10,5,40)=15
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(150,5,25,85)=30	(150,15,15,85)=30	(150,25,5,90)=30	(155,10,15,130)=25	(160,5,15,35)=20	(160,15,5,25)=20	(165,10,5,50)=15
(150,5,25,90)=30	(150,15,15,90)=30	(150,25,5,95)=30	(155,10,15,135)=25	(160,5,15,40)=20	(160,15,5,30)=20	(165,10,5,55)=15
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(150,5,25,120)=30	(150,15,15,120)=30	(150,25,5,125)=30	(155,15,10,10)=25	(160,5,15,70)=20	(160,15,5,60)=20	(165,10,5,85)=15
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	(35,35,85,10)=115
(x:直角,鈍角)	(35,60,55,5)=110
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(15,50,95,10)=125	(45,60,45,15)=90
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(15,65,75,10)=110	(55,40,65,15)=100
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