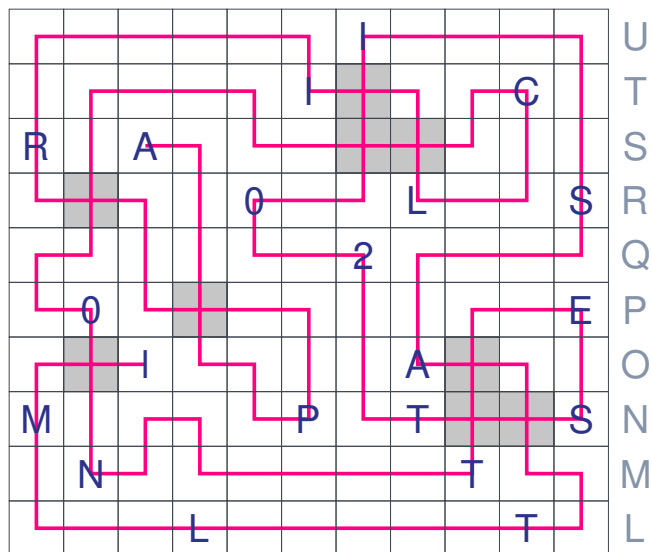


APRIL CONTEST
by Riad Khanmagomedov

Submissions for
puzzle 10

APRIL CONTEST 2015 AT LMI

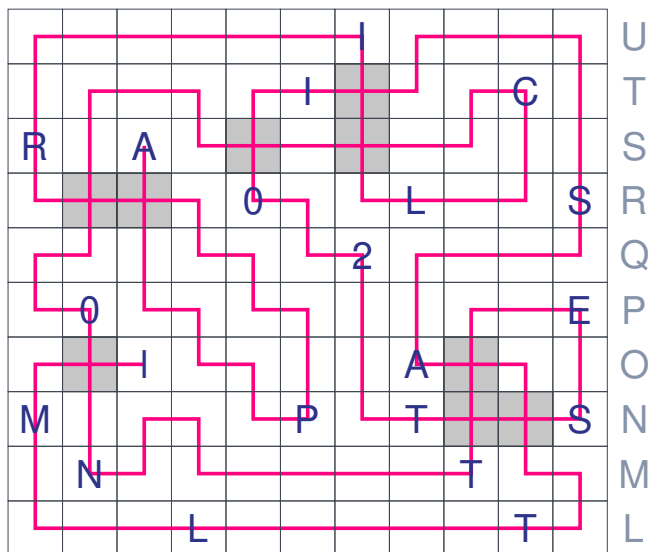


A B C D E F G H I J K

submitted by : moss

P = 9 E = 0 P + 2E = 9

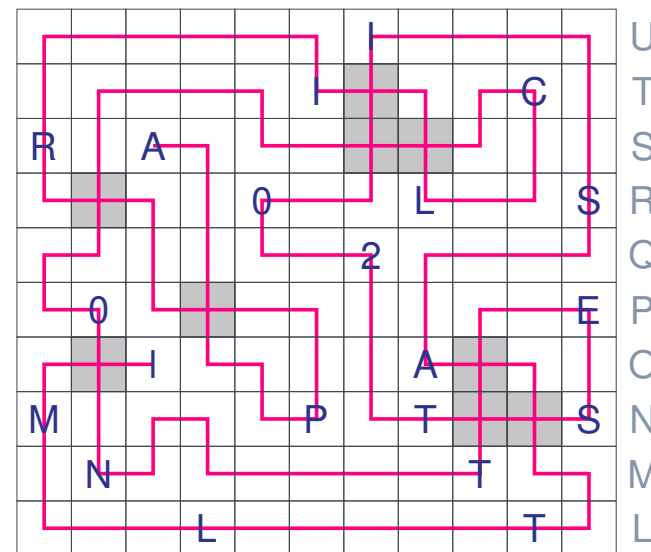
Submitted : P + 2E = 8



A B C D E F G H I J K

submitted by : Christian

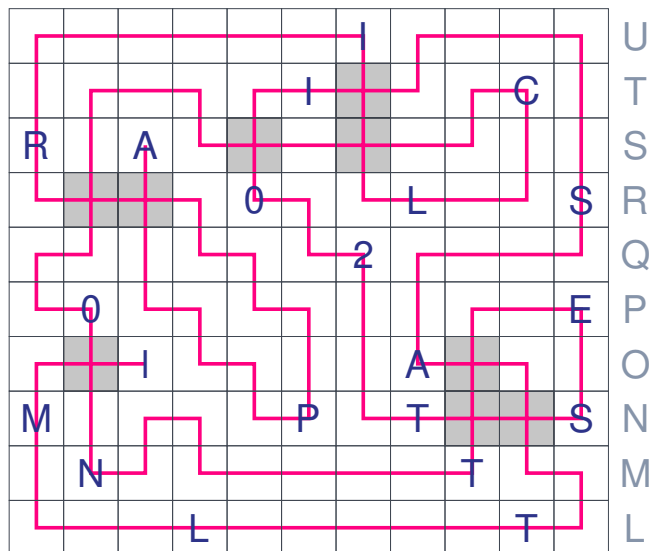
P = 9 E = 0 P + 2E = 9



A B C D E F G H I J K

submitted by : EKBM

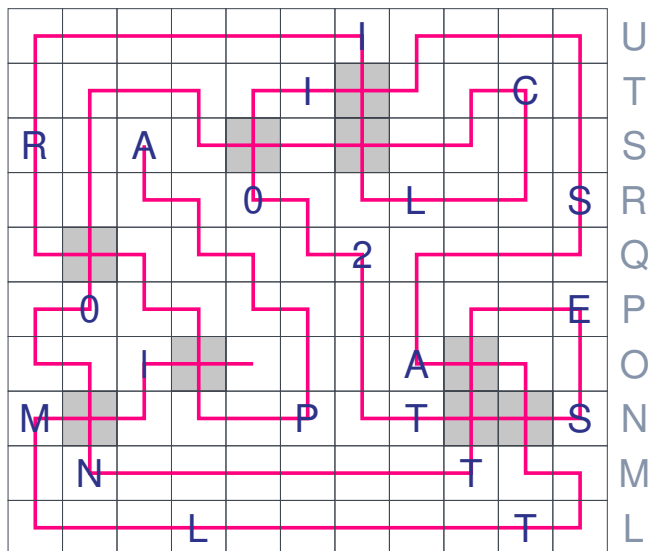
P = 9 E = 0 P + 2E = 9



A B C D E F G H I J K

submitted by : jhrdina

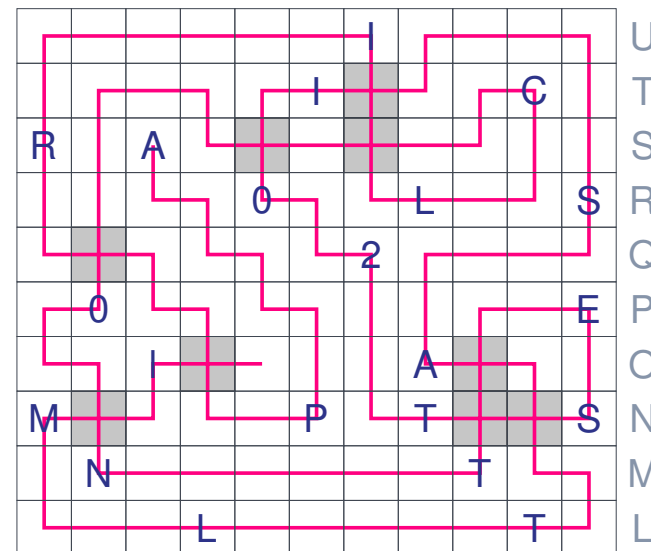
P = 9 E = 0 P + 2E = 9



A B C D E F G H I J K

submitted by : kiwijam

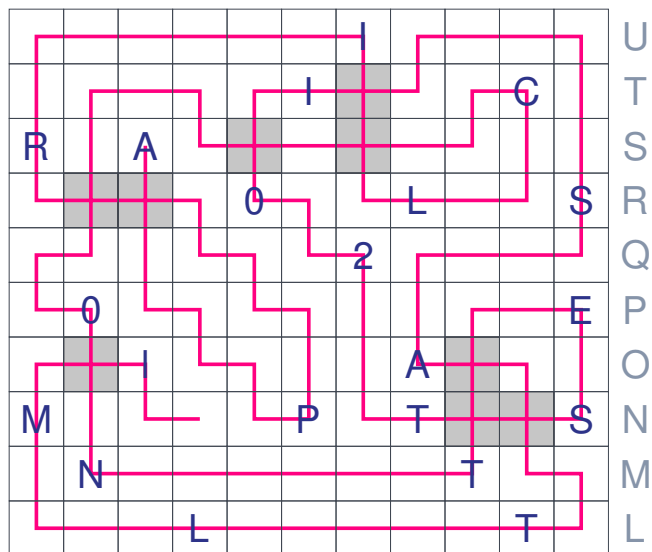
P = 9 E = 0 P + 2E = 9



A B C D E F G H I J K

submitted by : Nikola

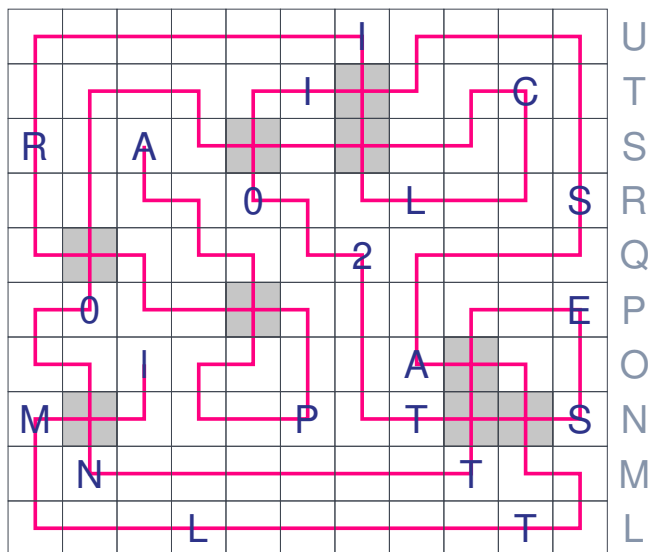
P = 9 E = 0 P + 2E = 9



A B C D E F G H I J K

submitted by : psl

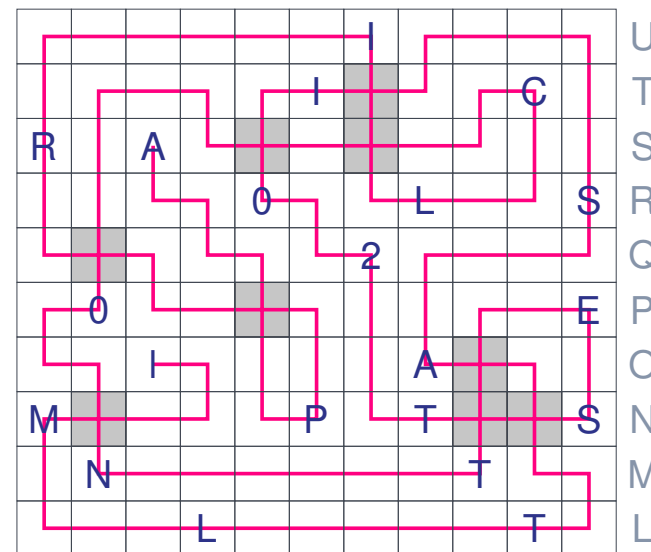
P = 9 E = 0 P + 2E = 9



A B C D E F G H I J K

submitted by : SP1

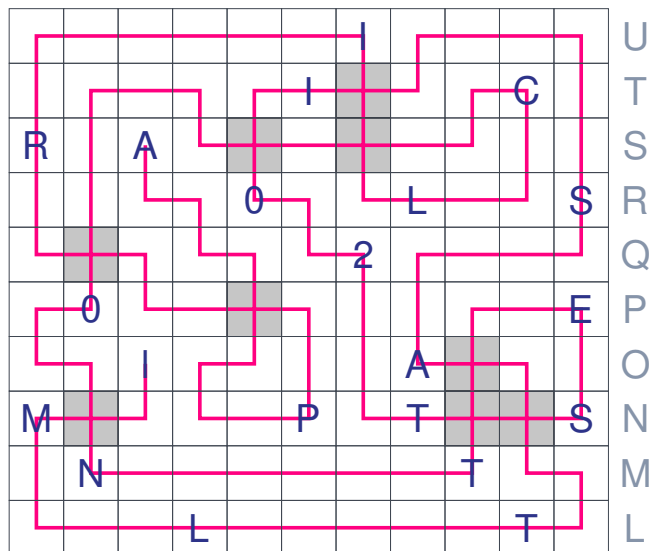
P = 9 E = 0 P + 2E = 9



A B C D E F G H I J K

submitted by : tarotaro

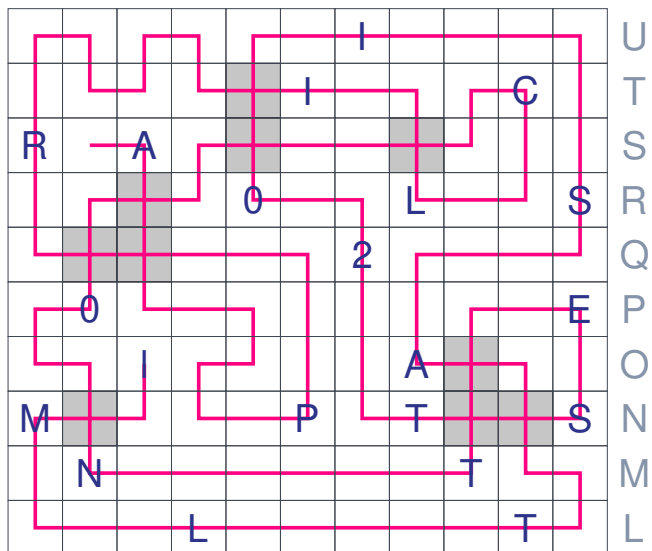
P = 9 E = 0 P + 2E = 9



A B C D E F G H I J K

submitted by : Tomoaki

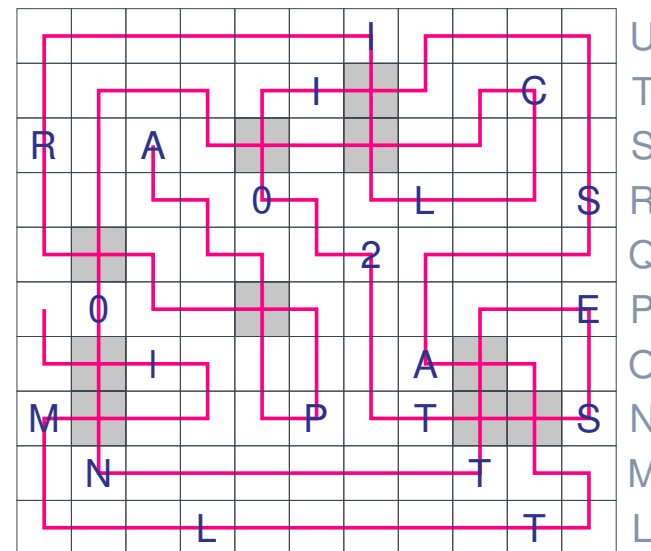
P = 9 E = 0 P + 2E = 9



A B C D E F G H I J K

submitted by : auroux

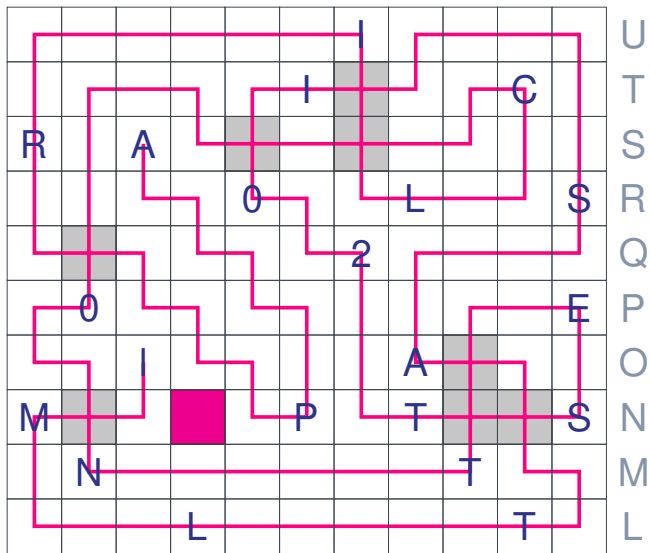
P = 10 E = 0 P + 2E = 10



A B C D E F G H I J K

submitted by : forcolin

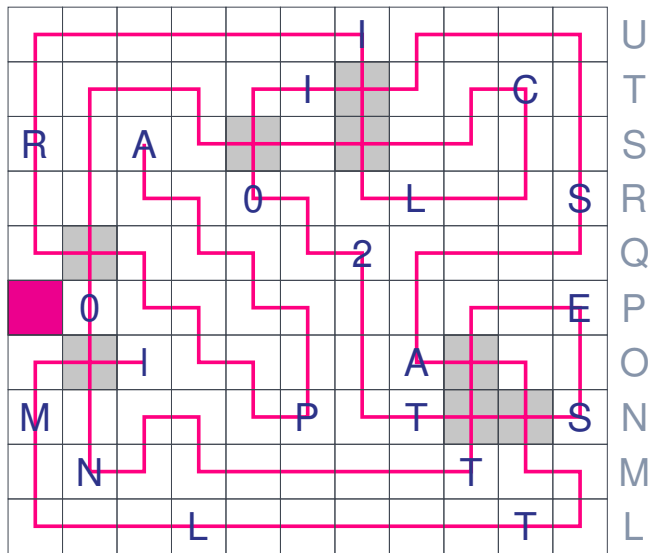
P = 10 E = 0 P + 2E = 10



A B C D E F G H I J K

submitted by : Hugo

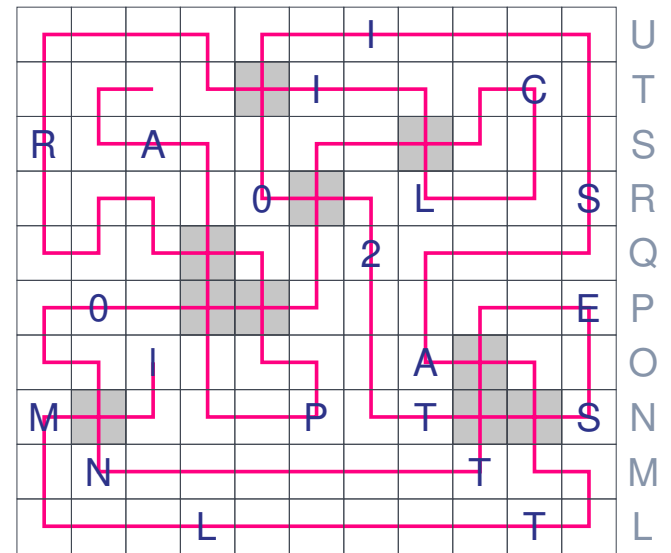
P = 8 E = 1 P + 2E = 10



A B C D E F G H I J K

submitted by : ibon

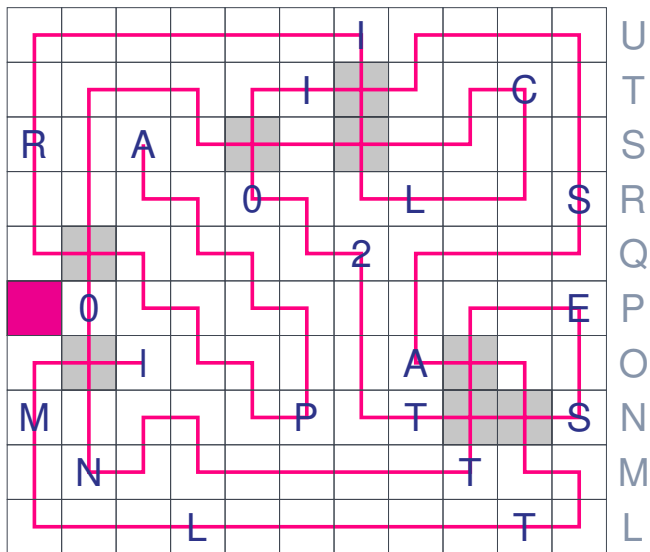
P = 8 E = 1 P + 2E = 10



A B C D E F G H I J K

submitted by : jaan

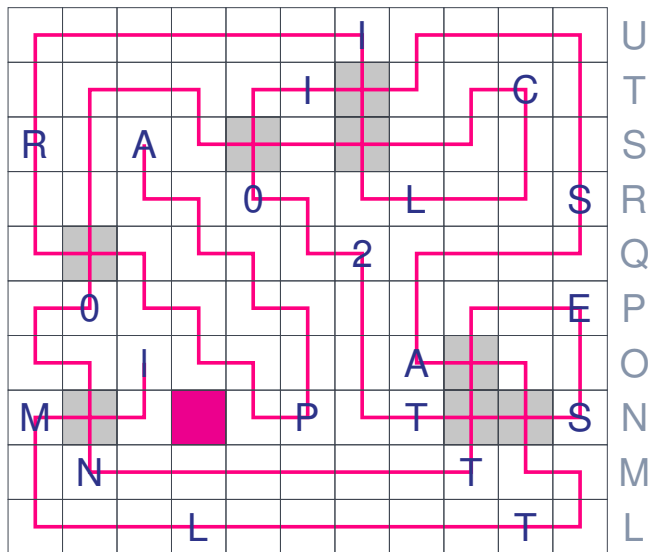
P = 10 E = 0 P + 2E = 10



A B C D E F G H I J K

submitted by : Mihalich

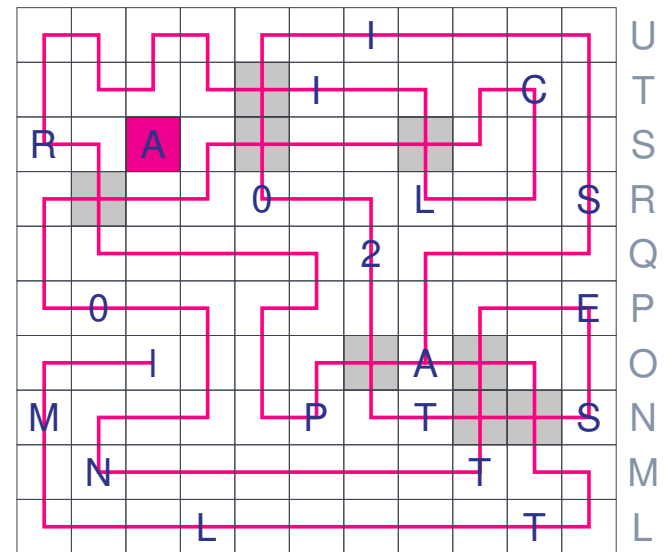
P = 8 E = 1 P + 2E = 10



A B C D E F G H I J K

submitted by : Puzlifouk

P = 8 E = 1 P + 2E = 10

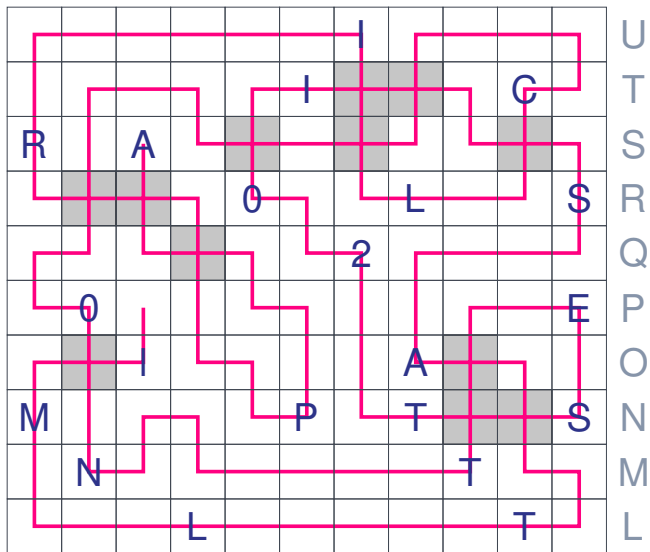


A B C D E F G H I J K

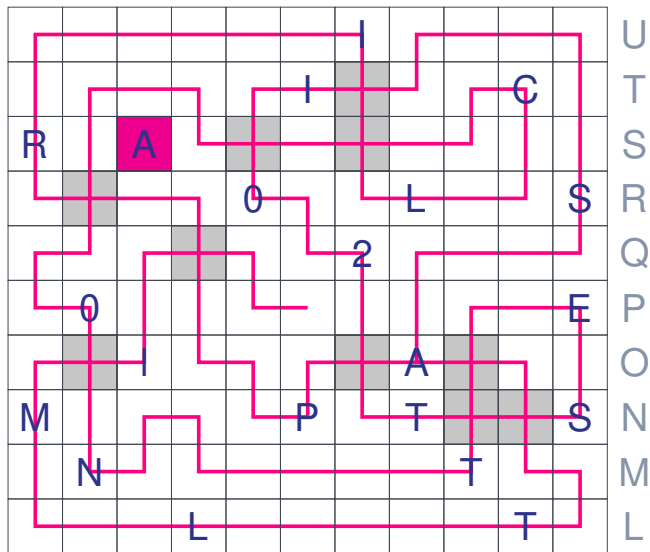
submitted by : Cordelia

P = 8 E = 1 P + 2E = 10

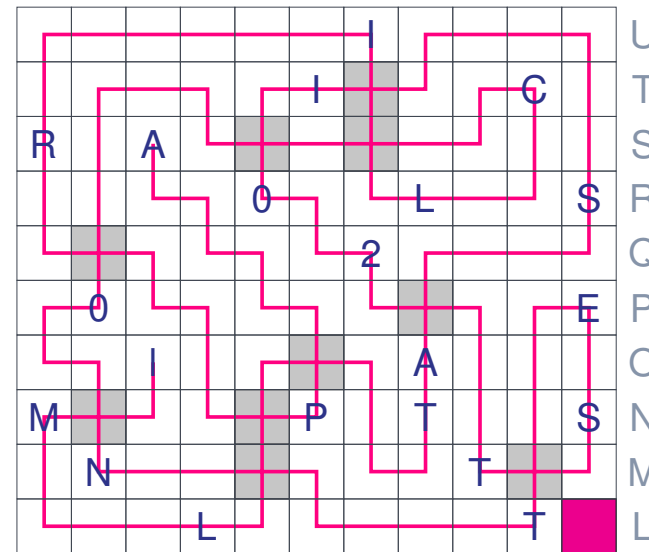
Submitted : P + 2E = 11



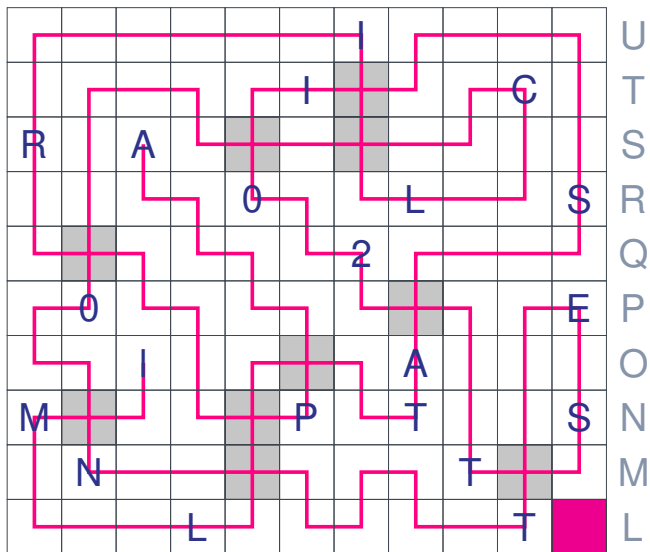
A B C D E F G H I J K
 submitted by : rubben
 P = 12 E = 0 P + 2E = 12
 Submitted : P + 2E = 11



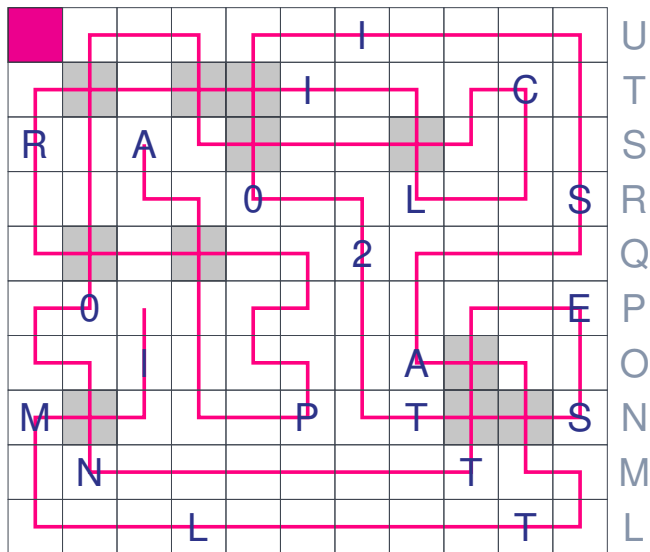
A B C D E F G H I J K
 submitted by : Yason
 P = 10 E = 1 P + 2E = 12
 Submitted : P + 2E = 11



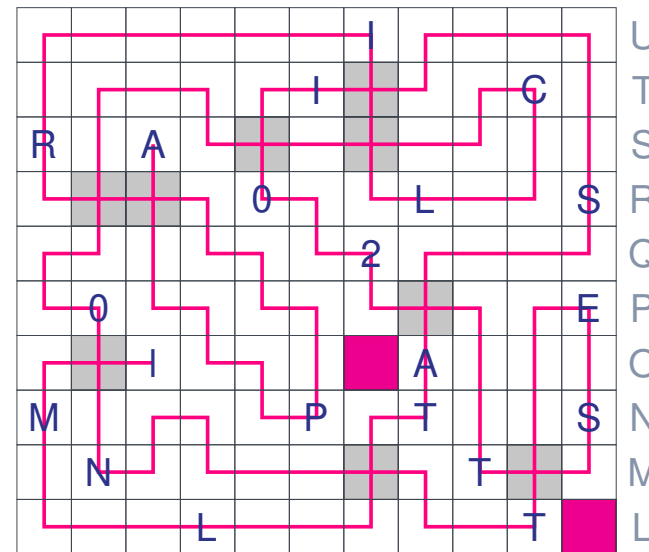
A B C D E F G H I J K
 submitted by : HuDu
 P = 10 E = 1 P + 2E = 12



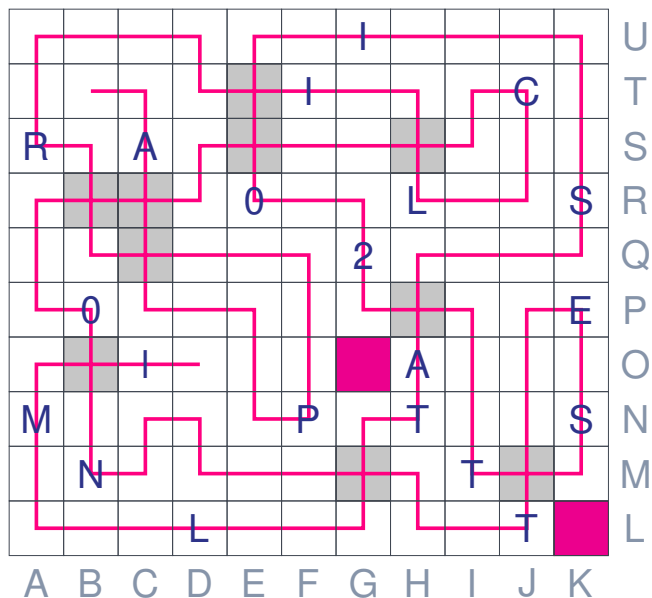
A B C D E F G H I J K
 submitted by : jimdlegrand
 P = 10 E = 1 P + 2E = 12



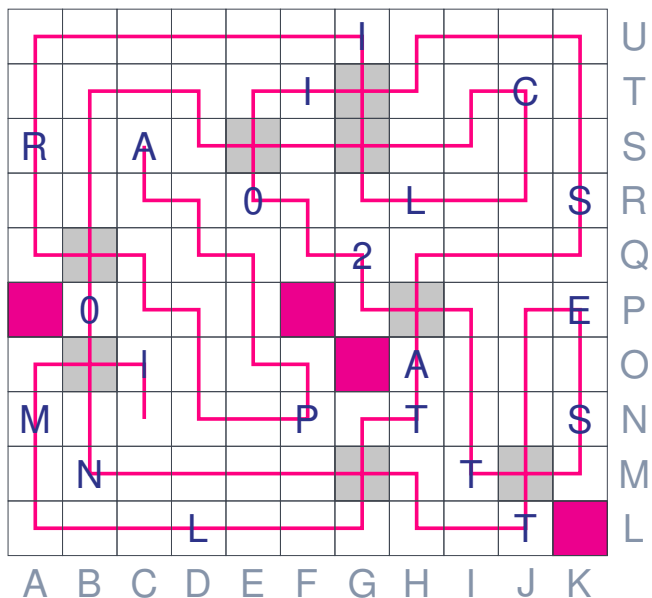
A B C D E F G H I J K
 submitted by : anurag
 P = 11 E = 1 P + 2E = 13



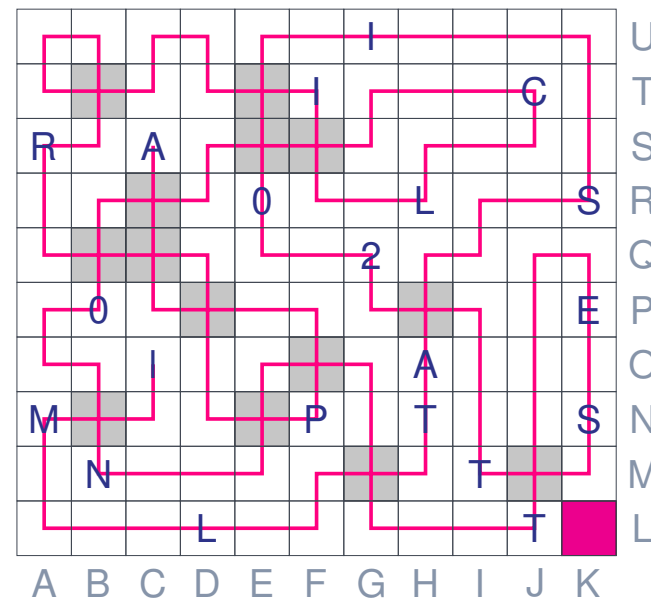
A B C D E F G H I J K
 submitted by : lukasz6500
 P = 9 E = 2 P + 2E = 13



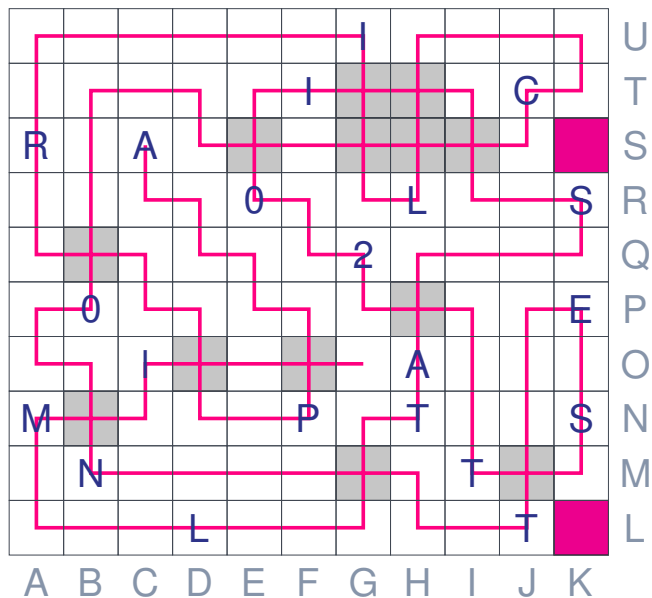
submitted by : martin
 $P = 10$ $E = 2$ $P + 2E = 14$



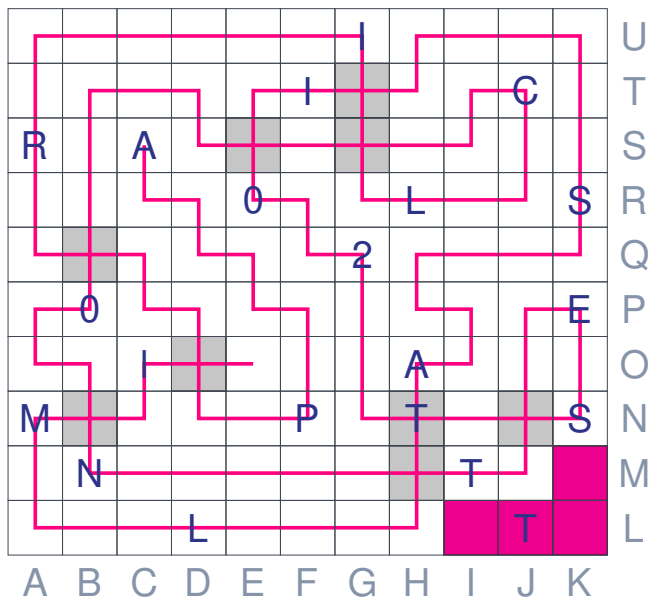
submitted by : chaotic_iak
 $P = 8$ $E = 4$ $P + 2E = 16$



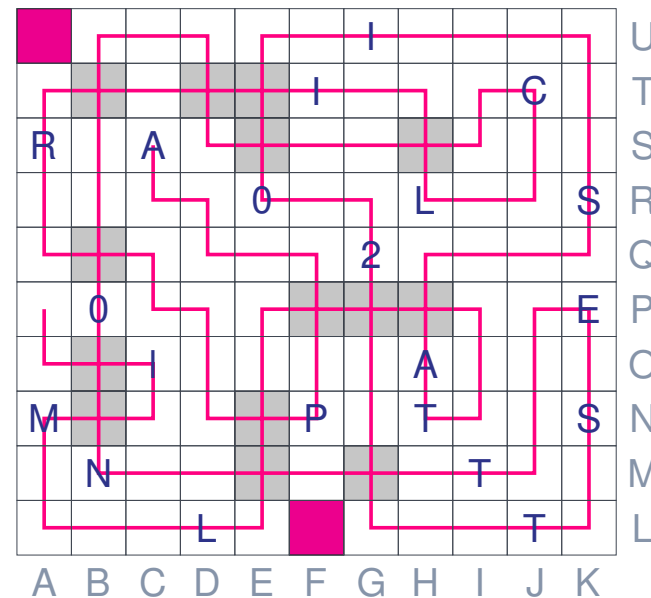
submitted by : S_Aoki
 $P = 14$ $E = 1$ $P + 2E = 16$



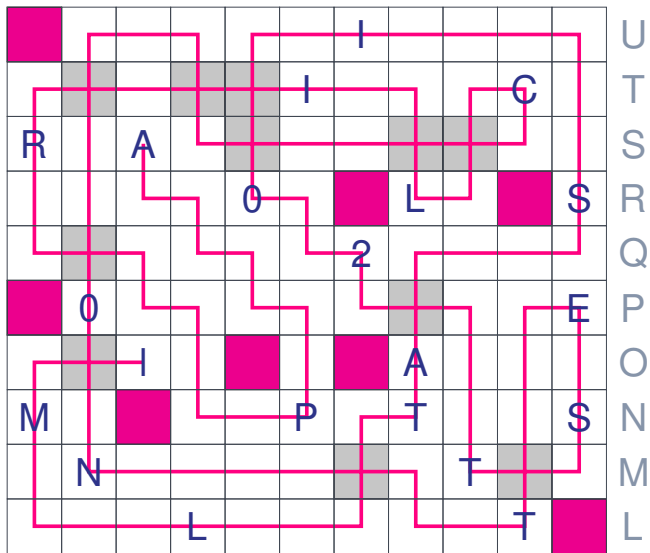
submitted by : faustina
 $P = 13$ $E = 2$ $P + 2E = 17$



submitted by : kousek-nebe
 $P = 9$ $E = 4$ $P + 2E = 17$



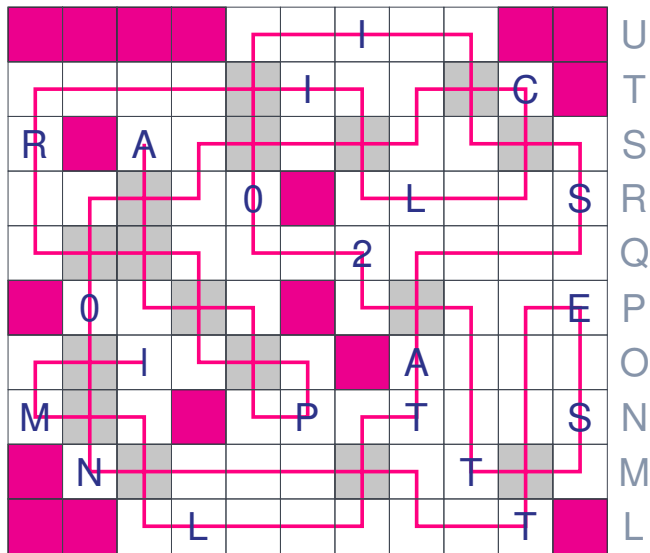
submitted by : deu
 $P = 14$ $E = 2$ $P + 2E = 18$



A B C D E F G H I J K

submitted by : Swagatam

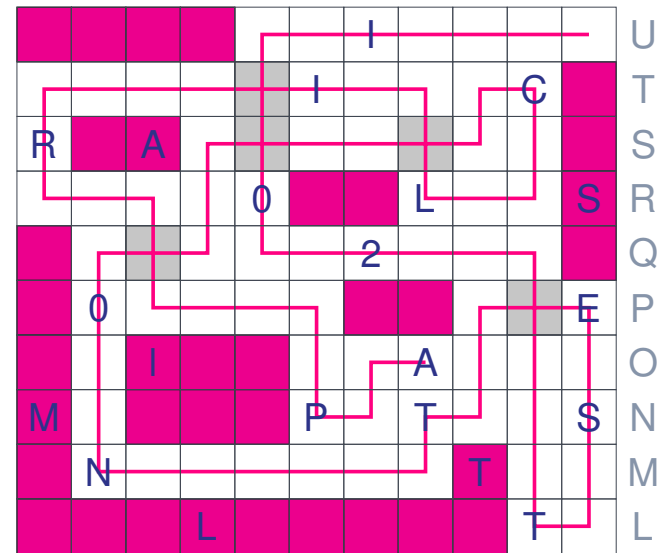
P = 11 E = 8 P + 2E = 27



A B C D E F G H I J K

submitted by : tiralmo

P = 16 E = 17 P + 2E = 50



A B C D E F G H I J K

submitted by : Yajendra

P = 5 E = 35 P + 2E = 75

Submitted : P + 2E = 131

APRIL CONTEST
by Riad Khanmagomedov

Submissions for
puzzle 11

NUMBERED SNAKE

	81	108	86	89	95	91	87	108	102	103	85	
89										44	45	
85									42	43		
81								40	41			
114					37	38	39					
105				34	35	36						
111			32	33				13	12	11	10	
99		30	31				15	14			9	
81	28	29					16				8	
88	27				19	18	17				7	
86	26	25			20				4	5	6	
96		24	23	22	21		1	2	3			

submitted by : Cordelia
R = 114 r = 81 C = 108 c = 81
 $(R-r)^2+(C-c)^2 = 1818$

	85	103	102	108	87	91	95	89	86	108	81	
89	45	44										
85		43	42									
81			41	40								
114				39	38	37						
105						36	35	34				
111	10	11	12	13				33	32			
99	9			14	15				31	30		
81	8				16					29	28	
88	7				17	18	19				27	
86	6	5	4				20			25	26	
96				3	2	1		21	22	23	24	

submitted by : EKBM
R = 114 r = 81 C = 108 c = 81
 $(R-r)^2+(C-c)^2 = 1818$

	96	86	88	81	99	111	105	114	81	85	89	
81		26	27	28								
108	24	25			29	30						
86	23					31	32					
89	22						33	34				
95	21	20	19					35				
91			18					36	37			
87	1		17	16	15				38			
108	2				14	13			39	40		
102	3	4				12				41	42	
103		5					11				43	44
85		6	7	8	9	10						45

submitted by : flk
R = 108 r = 81 C = 114 c = 81
 $(R-r)^2+(C-c)^2 = 1818$

	85	103	102	108	87	91	95	89	86	108	81	
89	45	44										
85		43	42									
81			41	40								
114				39	38	37						
105						36	35	34				
111	10	11	12	13				33	32			
99	9			14	15				31	30		
81	8				16					29	28	
88	7				17	18	19				27	
86	6	5	4				20			25	26	
96				3	2	1		21	22	23	24	

submitted by : HuDu
R = 114 r = 81 C = 108 c = 81
 $(R-r)^2+(C-c)^2 = 1818$

	81	108	86	89	95	91	87	108	98	107	85	
89										44	45	
85										42	43	
81								40	41			
114							37	38	39			
105					34	35	36					
111				32	33				13	12	11	10
99		30	31				15	14			9	
81	28	29					16				8	
88	27				19	18	17				7	
82	26	25			20					5	6	
100		24	23	22	21		1	2	3	4		

submitted by : ibon
R = 114 r = 81 C = 108 c = 81
 $(R-r)^2+(C-c)^2 = 1818$

	85	103	102	108	87	91	95	89	86	108	81	
89	45	44										
85		43	42									
81			41	40								
114				39	38	37						
105						36	35	34				
111	10	11	12	13					33	32		
99	9			14	15					31	30	
81	8				16						29	28
88	7				17	18	19				27	
86	6	5	4				20			25	26	
96				3	2	1		21	22	23	24	

submitted by : kiwijam
R = 114 r = 81 C = 108 c = 81
 $(R-r)^2+(C-c)^2 = 1818$

	85	103	102	108	87	91	95	89	86	108	81
89	45	44									
85		43	42								
81			41	40							
114				39	38	37					
105					36	35	34				
111	10	11	12	13				33	32		
99	9			14	15				31	30	
81	8				16					29	28
88	7				17	18	19				27
86	6	5	4				20			25	26
96			3	2	1		21	22	23	24	

submitted by : lukasz6500

R = 114 r = 81 C = 108 c = 81
 $(R-r)^2+(C-c)^2 = 1818$

	85	107	98	108	87	91	95	89	86	108	81
100		4	3	2	1		21	22	23	24	
82	6	5					20			25	26
88	7				17	18	19				27
81	8				16					29	28
99	9			14	15				31	30	
111	10	11	12	13				33	32		
105						36	35	34			
114				39	38	37					
81			41	40							
85		43	42								
89	45	44									

submitted by : martin

R = 114 r = 81 C = 108 c = 81
 $(R-r)^2+(C-c)^2 = 1818$

	100	82	88	81	99	111	105	114	81	85	89
85		6	7	8	9	10					45
107	4	5				11				43	44
98	3					12			41	42	
108	2				14	13		39	40		
87	1		17	16	15			38			
91			18				36	37			
95	21	20	19				35				
89	22						33	34			
86	23					31	32				
108	24	25		29	30						
81		26	27	28							

submitted by : Mihalich

R = 108 r = 81 C = 114 c = 81
 $(R-r)^2+(C-c)^2 = 1818$

	85	107	98	108	87	91	95	89	86	108	81
100		4	3	2	1		21	22	23	24	
82	6	5					20			25	26
88	7				17	18	19				27
81	8				16					29	28
99	9			14	15				31	30	
111	10	11	12	13				33	32		
105					36	35	34				
114				39	38	37					
81			41	40							
85		43	42								
89	45	44									

submitted by : Nikola

R = 114 r = 81 C = 108 c = 81
 $(R-r)^2+(C-c)^2 = 1818$

	85	107	98	108	87	91	95	89	86	108	81
89	45	44									
85		43	42								
81			41	40							
114				39	38	37					
105						36	35	34			
111	10	11	12	13				33	32		
99	9			14	15				31	30	
81	8				16					29	28
88	7				17	18	19				27
82	6	5					20			25	26
100		4	3	2	1		21	22	23	24	

submitted by : psl

R = 114 r = 81 C = 108 c = 81
 $(R-r)^2+(C-c)^2 = 1818$

	85	103	102	108	87	91	95	89	86	108	81
96			3	2	1		21	22	23	24	
86	6	5	4				20			25	26
88	7				17	18	19				27
81	8				16					29	28
99	9			14	15				31	30	
111	10	11	12	13				33	32		
105						36	35	34			
114				39	38	37					
81			41	40							
85		43	42								
89	45	44									

submitted by : tarosan

R = 114 r = 81 C = 108 c = 81
 $(R-r)^2+(C-c)^2 = 1818$

	85	107	98	108	87	91	95	89	86	108	81	
89	45	44										
85		43	42									
81			41	40								
114				39	38	37						
105					36	35	34					
111	10	11	12	13				33	32			
99	9			14	15				31	30		
81	8				16					29	28	
88	7				17	18	19				27	
82	6	5					20			25	26	
100		4	3	2	1		21	22	23	24		

submitted by : tarotaro
R = 114 r = 81 C = 108 c = 81
 $(R-r)^2+(C-c)^2 = 1818$

	85	103	102	108	87	91	95	89	86	108	81	
96			3	2	1		21	22	23	24		
86	6	5	4				20			25	26	
88	7				17	18	19				27	
81	8				16					29	28	
99	9			14	15				31	30		
111	10	11	12	13				33	32			
105						36	35	34				
114				39	38	37						
81			41	40								
85		43	42									
89	45	44										

submitted by : Tomoaki
R = 114 r = 81 C = 108 c = 81
 $(R-r)^2+(C-c)^2 = 1818$

	90	102	101	106	86	91	95	89	86	108	81	
89	45	44										
85		43	42									
81			41	40								
114				39	38	37						
105					36	35	34					
111	10	11	12	13				33	32			
99	9			14	15				31	30		
81	8				16					29	28	
89	7		1		17	18	19				27	
79	6		2				20			25	26	
102	5	4	3				21	22	23	24		

submitted by : jlmdlegrand
R = 114 r = 79 C = 108 c = 81
 $(R-r)^2+(C-c)^2 = 1954$

	85	107	111	95	87	91	95	89	86	108	81	
100		4	3	2	1		21	22	23	24		
82	6	5				20			25	26		
88	7				17	18	19				27	
81	8				16					29	28	
112	9		13	14	15				31	30		
98	10	11	12				33	32				
105					36	35	34					
114				39	38	37						
81			41	40								
85		43	42									
89	45	44										

submitted by : jaan
R = 114 r = 81 C = 111 c = 81
 $(R-r)^2+(C-c)^2 = 1989$

	81	106	106	92	83	90	106	96	86	105	84	
99	9	10	11					22	23	24		
93	8		12	13	14			21		25		
114	7				15		19	20		26	27	
85	6				16	17	18				28	
99	5	4							31	30	29	
102		3				34	33	32				
74	1	2				36	35					
114				39	38	37						
81			41	40								
85		43	42									
89	45	44										

submitted by : Christian
R = 114 r = 74 C = 106 c = 81
 $(R-r)^2+(C-c)^2 = 2225$

	81	106	106	92	83	90	106	96	86	105	84	
89	45	44										
85		43	42									
81			41	40								
114				39	38	37						
74	1	2				36	35					
102		3					34	33	32			
99	5	4							31	30	29	
85	6				16	17	18				28	
114	7				15		19	20		26	27	
93	8		12	13	14			21		25		
99	9	10	11					22	23	24		

submitted by : deu
R = 114 r = 74 C = 106 c = 81
 $(R-r)^2+(C-c)^2 = 2225$

	89	85	81	114	74	102	99	85	114	93	99	
81	45				1		5	6	7	8	9	
106	44	43			2	3	4				10	
106		42	41							12	11	
92			40	39						13		
83				38				16	15	14		
90				37	36			17				
106					35	34		18	19			
96						33			20	21	22	
86						32	31				23	
105							30		26	25	24	
84							29	28	27			

submitted by : forcolin
R = 106 r = 81 C = 114 c = 74
 $(R-r)^2+(C-c)^2 = 2225$

	89	85	81	114	74	102	99	85	114	81	111	
81	45				1		5	6	7	8	9	
106	44	43			2	3	4				10	
94		42	41								11	
104			40	39						13	12	
83				38				16	15	14		
90				37	36			17				
106					35	34		18	19			
96						33			20	21	22	
86						32	31				23	
105							30		26	25	24	
84							29	28	27			

submitted by : jhrdina
R = 106 r = 81 C = 114 c = 74
 $(R-r)^2+(C-c)^2 = 2225$

	99	93	114	85	99	102	74	114	81	85	89	
81	9	8	7	6	5		1					45
106	10				4	3	2				43	44
106	11	12								41	42	
92		13							39	40		
83			14	15	16				38			
90					17			36	37			
106				19	18		34	35				
96	22	21	20			33						
86	23					31	32					
105	24	25	26		30							
84			27	28	29							

submitted by : Puzlifouk
R = 106 r = 81 C = 114 c = 74
 $(R-r)^2+(C-c)^2 = 2225$

	106	83	108	88	74	91	87	108	98	102	90	
89										44	45	
85									42	43		
81							40	41				
114						37	38	39				
105					34	35	36					
111			32	33				13	12	11	10	
99		30	31				15	14			9	
81	28	29					16				8	
88	27				19	18	17				7	
95	26		22	21	20						6	
87	25	24	23				1	2	3	4	5	

submitted by : Hugo
R = 114 r = 81 C = 108 c = 74
 $(R-r)^2+(C-c)^2 = 2245$

	89	85	81	114	105	75	95	85	94	101	111				
84							29	28	27						
105							30		26	25	24				
86							32	31			23				
110							34	33			21	22			
92							35		18	19	20				
90							37	36		17					
83							38			16	15	14			
105							40	39		1		13	12		
96							42	41		2			11		
100	44	43								3			10		
84	45									4	5	6	7	8	9

submitted by : auroux
R = 110 r = 83 C = 114 c = 75
 $(R-r)^2+(C-c)^2 = 2250$

	90	102	111	110	72	91	74	88	108	83	106	
87	5	4	3	2	1				23	24	25	
95	6							20	21	22		26
88	7					17	18	19				27
96	8				15	16					29	28
97	9		13	14						31	30	
98	10	11	12						33	32		
105								36	35	34		
114						39	38	37				
81						41	40					
85			43	42								
89	45	44										

submitted by : kousek-nebe
R = 114 r = 81 C = 111 c = 72
 $(R-r)^2+(C-c)^2 = 2610$

	81	106	119	108	91	110	90	78	87	81	84	
93	9	10	11			20	21	22				
111	8		12			19		23	24	25		
105	7		13	14		18				26	27	
82	6			15	16	17					28	
99	5	4								31	30	29
102		3				34	33	32				
111	1	2			37	36	35					
77				39	38							
81			41	40								
85		43	42									
89	45	44										

submitted by : SP1

R = 111 r = 77 C = 119 c = 78
 $(R-r)^2+(C-c)^2 = 2837$

	81	84	110	89	113	90	96	91	94	106	81	
89										44	45	
85									42	43		
81								40	41			
114					37	38	39					
108				34	35	36				2	1	
68			32	33						3		
70		30	31							4	5	
114	28	29			18	17	16				6	
68	27				19	15					7	
117	26	25	24		20	14					8	
121			23	22	21	13	12	11	10	9		

submitted by : faustina

R = 121 r = 68 C = 113 c = 81
 $(R-r)^2+(C-c)^2 = 3833$

	89	85	120	111	103	83	66	78	115	80	105	
84							29	28	27			
87						31	30		26			
90					33	32			25			
81					34				24	23		
93				36	35					22		
78				37						21	20	
117			39	38		6	7	8			19	
72			40			5		9			18	
114		42	41			4		10			17	
117	44	43				3		11			16	
102	45					1	2		12	13	14	15

submitted by : cyberx60

R = 117 r = 72 C = 120 c = 66
 $(R-r)^2+(C-c)^2 = 4941$

	87	103	115	121	78	96	81	93	90	84	87	
132	45	44	43									
83			42	41								
118	1			40	39	38						
110	2				37	36	35					
85	3	4	5	6			34	33				
100				7					32	31	30	
67	11	10	8	9							29	
67	12										27	28
125	13	14					23	24	25	26		
78		15			20	21	22					
70		16	17	18	19							

submitted by : jacobblance

R = 132 r = 67 C = 121 c = 78
 $(R-r)^2+(C-c)^2 = 6074$

	89	85	120	111	123	53	73	53	94	117	117	
54									12	13	14	15
54					8	9	10	11				16
87	45				7					18	17	
117	44	43			6	5				19		
107		42	41			4				20		
89			40			3	2	1		21	22	
100			39	38							23	
112				37						26	25	24
98				36	35				27			
121					34		30	29	28			
96					33	32	31					

submitted by : chaotic_iak

R = 121 r = 54 C = 123 c = 53
 $(R-r)^2+(C-c)^2 = 9389$

	81	108	86	110	74	72	93	115	107	114	75	
142				34	35	36	37					
142			32	33			38	39				
142		30	31					40	41			
142	28	29								42	43	
116	27										44	45
57	26	25				1	2	3				
78		24	23	22				4	5			
54				21	20					6	7	
54					19	18					8	9
58						17	16	15				10
50									14	13	12	11

submitted by : Swagatam

R = 142 r = 50 C = 115 c = 72
 $(R-r)^2+(C-c)^2 = 10313$

1 84 55 56 57 58 59 60 131 34 440

305	26	27	28	29	30	31	32	33	34	35
61	25									36
201	24	23	22	21	20	19	18	17		37
54								16		38
54								15		39
54								14		40
54								13		41
54								12		42
103	4	5	6	7	8	9	10	11		43
47	3									44
48	1	2								45

submitted by : tiralmo

$R = 305$ $r = 47$ $C = 440$ $c = 1$

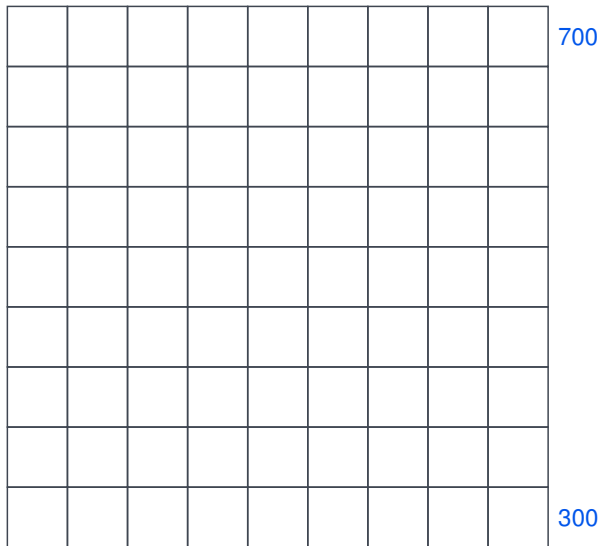
$(R-r)^2 + (C-c)^2 = 259285$

APRIL CONTEST
by Riad Khanmagomedov

Submissions for
puzzle 12

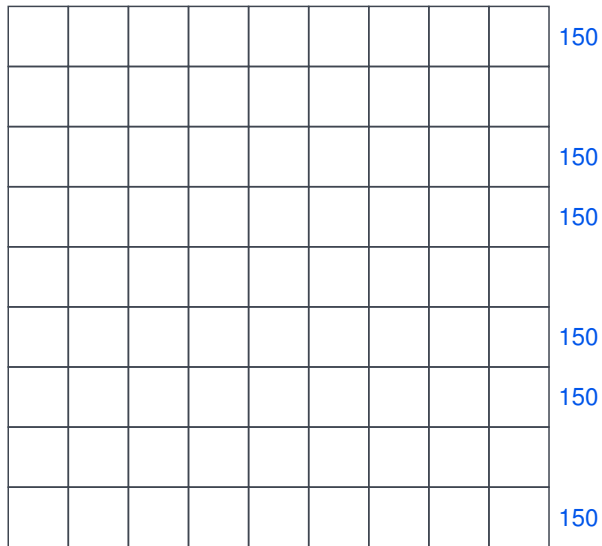
ROMAN COOL-L-L

200 200 150 150 200 200



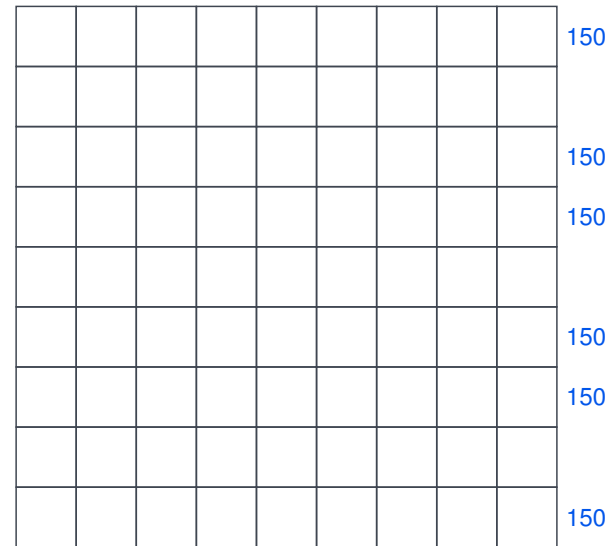
submitted by : rubben
 $S = 2100$ $K = 0$
 $S + 150K = 2100$

150 150



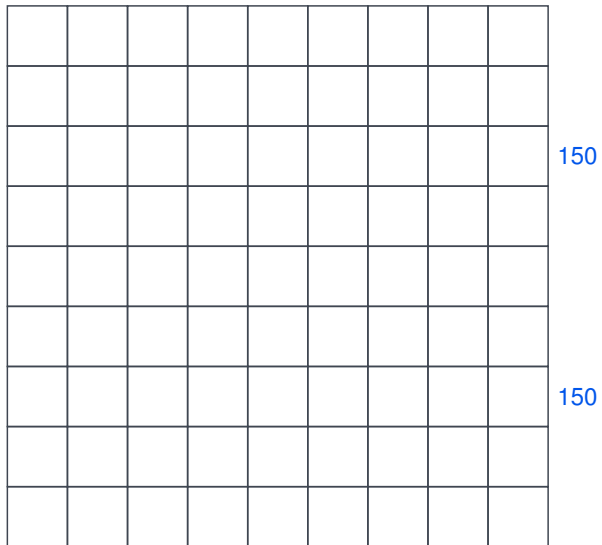
submitted by : kiwijam
 $S = 1200$ $K = 0$
 $S + 150K = 1200$

150 150



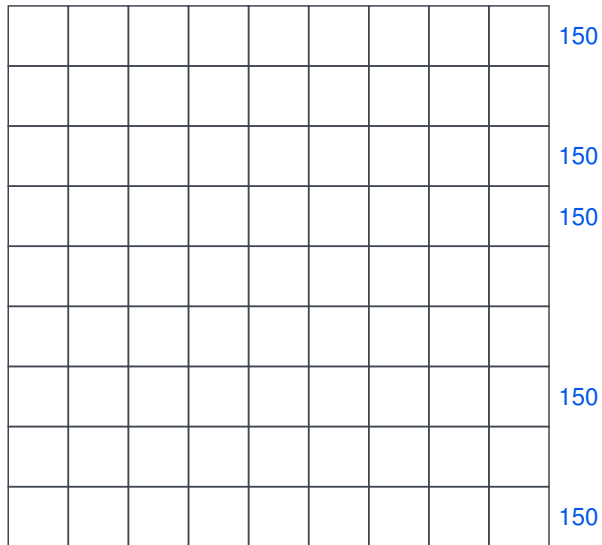
submitted by : Puzlifouk
 $S = 1200$ $K = 0$
 $S + 150K = 1200$

150 150 150 150 150 150



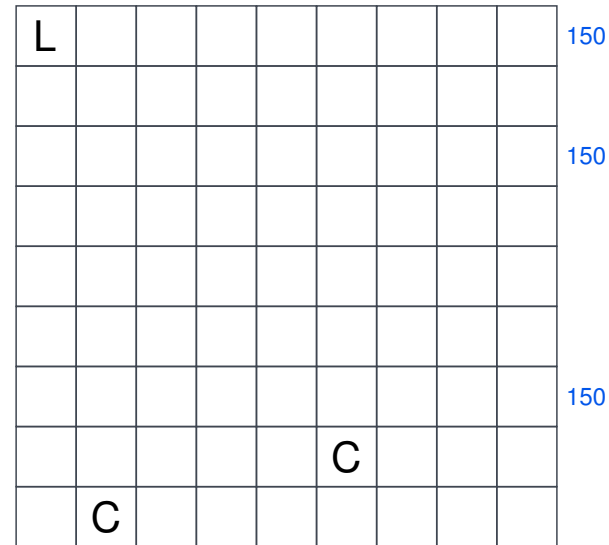
submitted by : SP1
 $S = 1200$ $K = 0$
 $S + 150K = 1200$

150 150 150 150 150

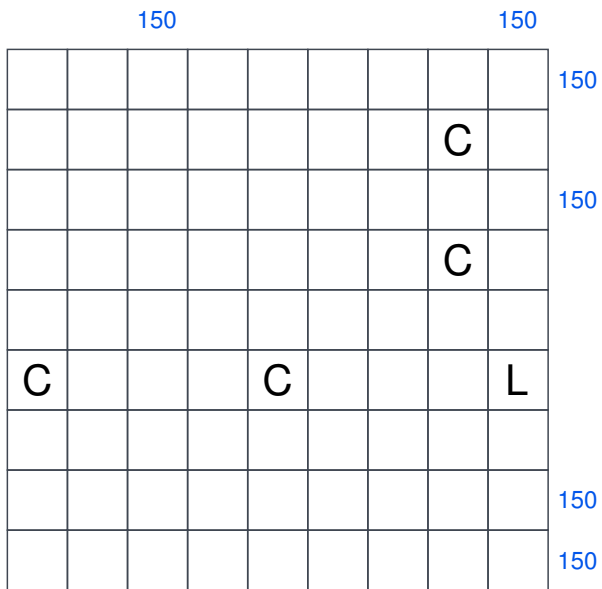


submitted by : jacobrance
 $S = 1500$ $K = 0$
 $S + 150K = 1500$

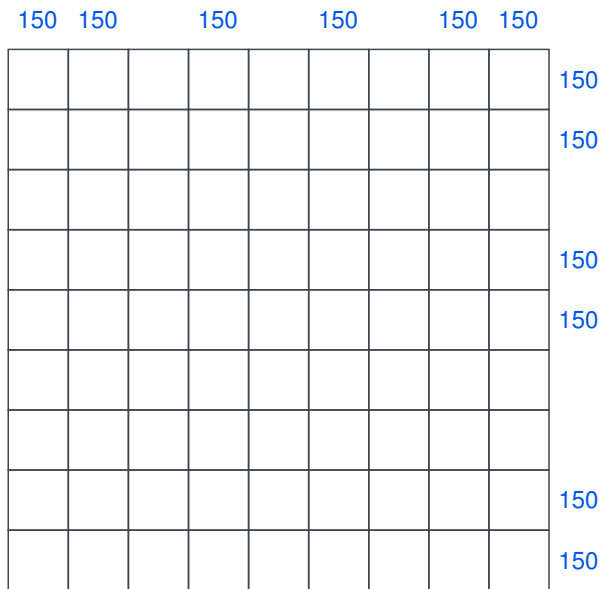
150 150 150 150



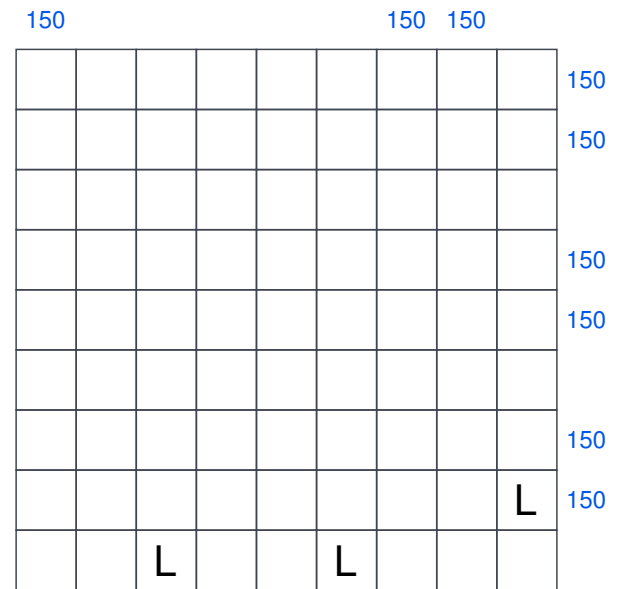
submitted by : Tomoaki
 $S = 1050$ $K = 3$
 $S + 150K = 1500$



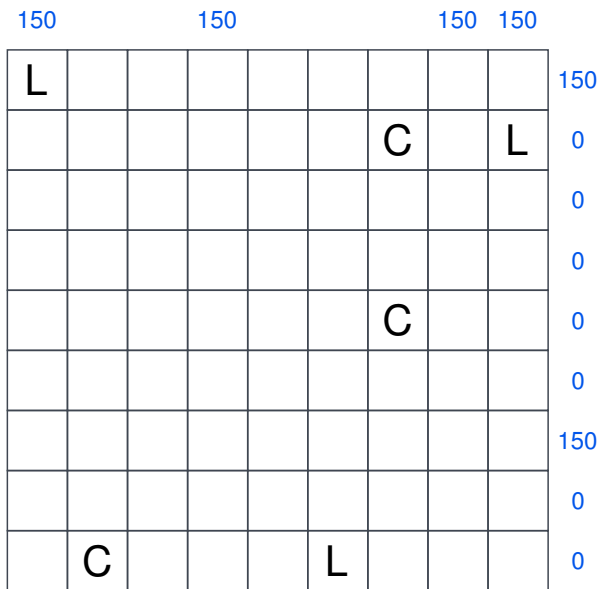
submitted by : psl
 $S = 900$ $K = 5$
 $S + 150K = 1650$



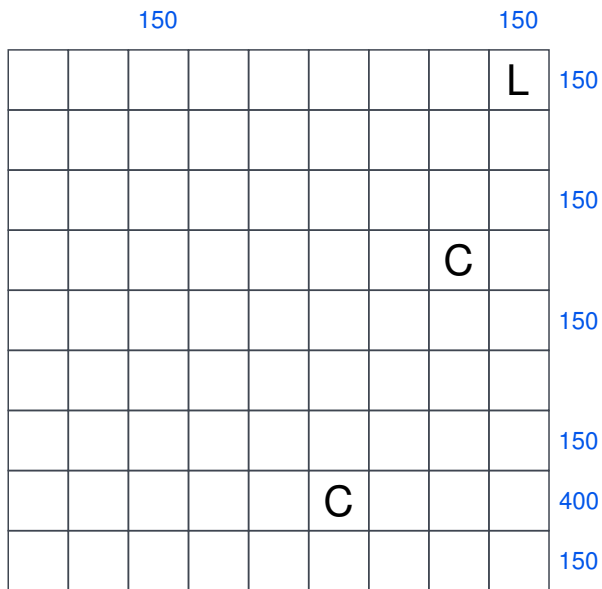
submitted by : flk
 $S = 1800$ $K = 0$
 $S + 150K = 1800$



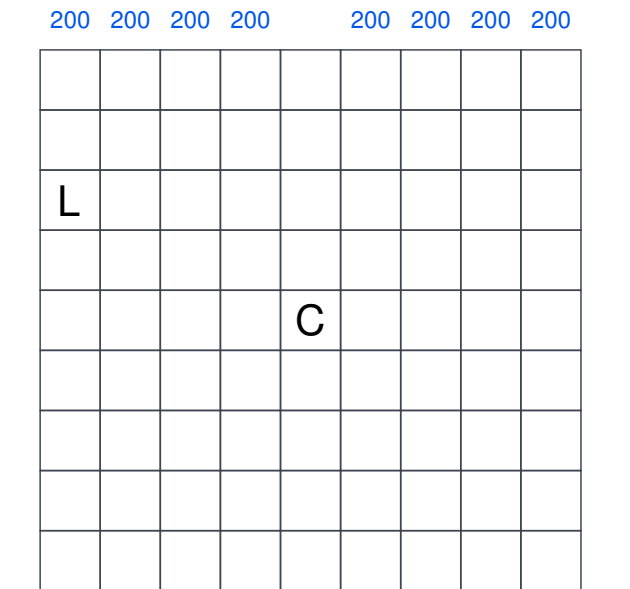
submitted by : Nikola
 $S = 1350$ $K = 3$
 $S + 150K = 1800$



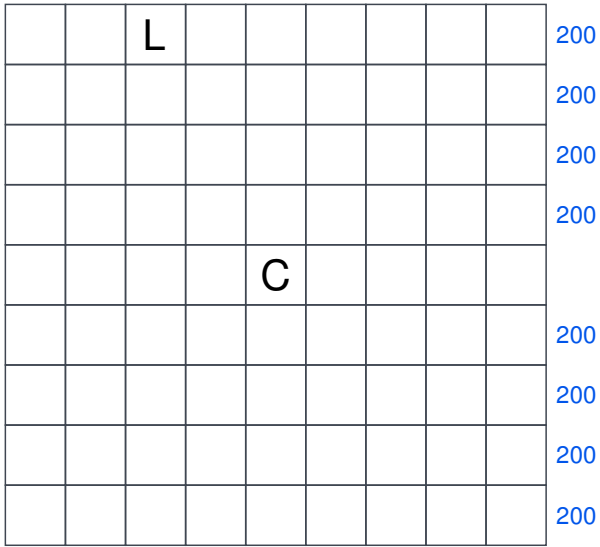
submitted by : tarotaro
 $S = 900$ $K = 6$
 $S + 150K = 1800$



submitted by : deu
 $S = 1450$ $K = 3$
 $S + 150K = 1900$



submitted by : EKBM
 $S = 1600$ $K = 2$
 $S + 150K = 1900$

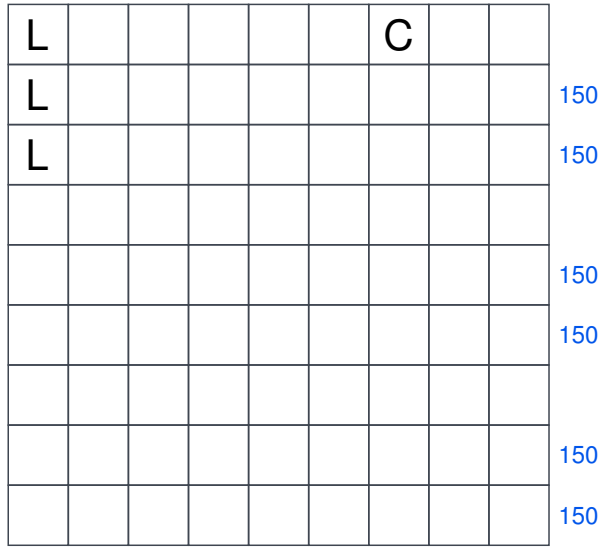


submitted by : lukasz6500

$S = 1600 \quad K = 2$

$S + 150K = 1900$

150 150



submitted by : chaotic_iak

$S = 1350 \quad K = 4$

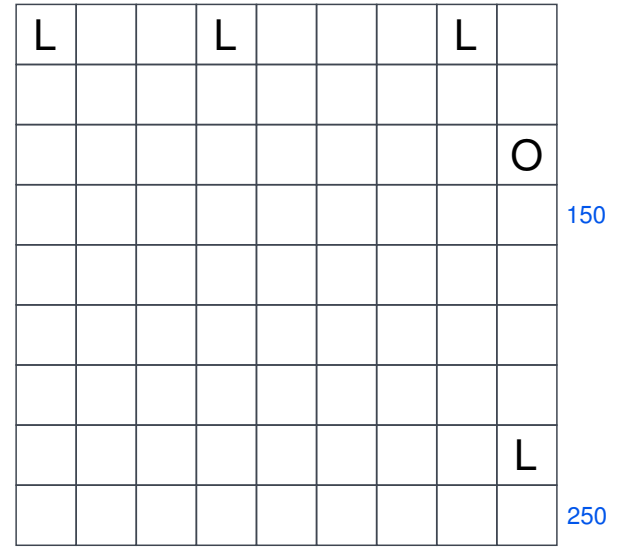
$S + 150K = 1950$

150 150

150

150 200

150



submitted by : auroux

$S = 1350 \quad K = 5$

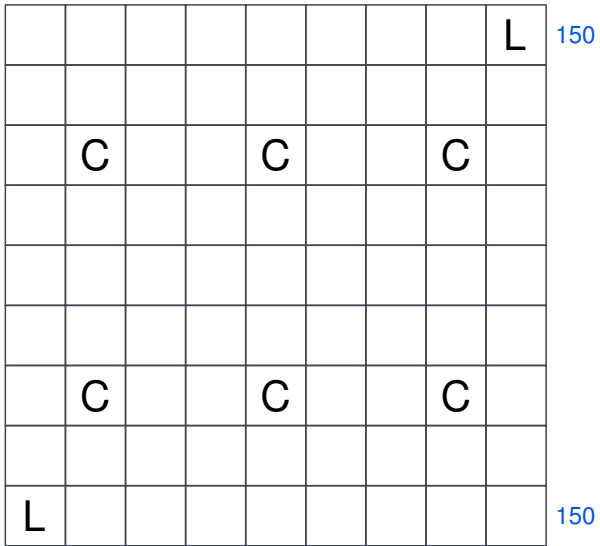
$S + 150K = 2100$

150

150

150

150



submitted by : Christian

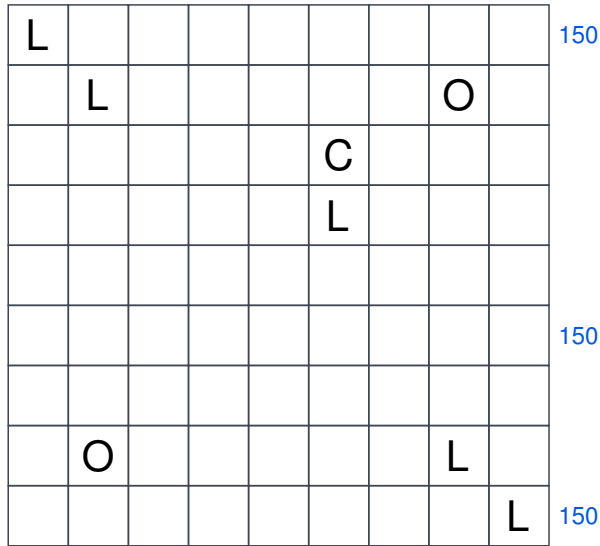
$S = 900 \quad K = 8$

$S + 150K = 2100$

150

150

150



submitted by : forcolin

$S = 900 \quad K = 8$

$S + 150K = 2100$

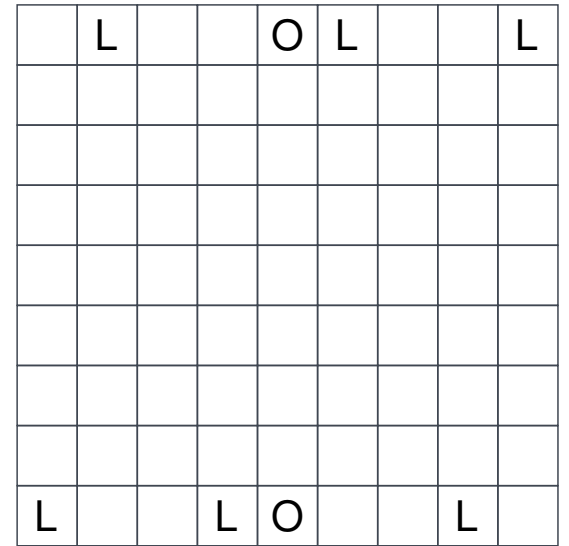
150 150

150

150

150

150



submitted by : Hugo

$S = 900 \quad K = 8$

$S + 150K = 2100$

150 200 200 150

L									150
									150
									150
									200
									200
									200
									150
									150

submitted by : jlmdegrand
S = 1700 K = 3
S + 150K = 2150

150

		C		C			C			
								L	150	
								L	150	
								L	150	
								L	150	
								L	150	
								L	150	

submitted by : faustina
S = 1050 K = 9
S + 150K = 2400

150 150 150 150 150

										150
										150
							O			
			L							150
										150
							C			150
										150
L								O		150
										150

submitted by : martin
S = 1650 K = 5
S + 150K = 2400

200 150 150 200

										200
	L							L		150
				C						300
				C						300
	L							L		150
										200

submitted by : Mihalich
S = 2000 K = 6
S + 150K = 2900

150 150 150 150 150 150

										150
										150
		C		C			C			
										150
										150
		C		C			C			150
										150
										150
		C		C			C			

submitted by : Cordelia
S = 1800 K = 9
S + 150K = 3150

150 150 150 150

	L							L		150
L									L	300
								C		
							L			150
							L			550
										150
							L			
							C			
L									L	300
	L								L	150

submitted by : tiralmo
S = 2350 K = 13
S + 150K = 4300