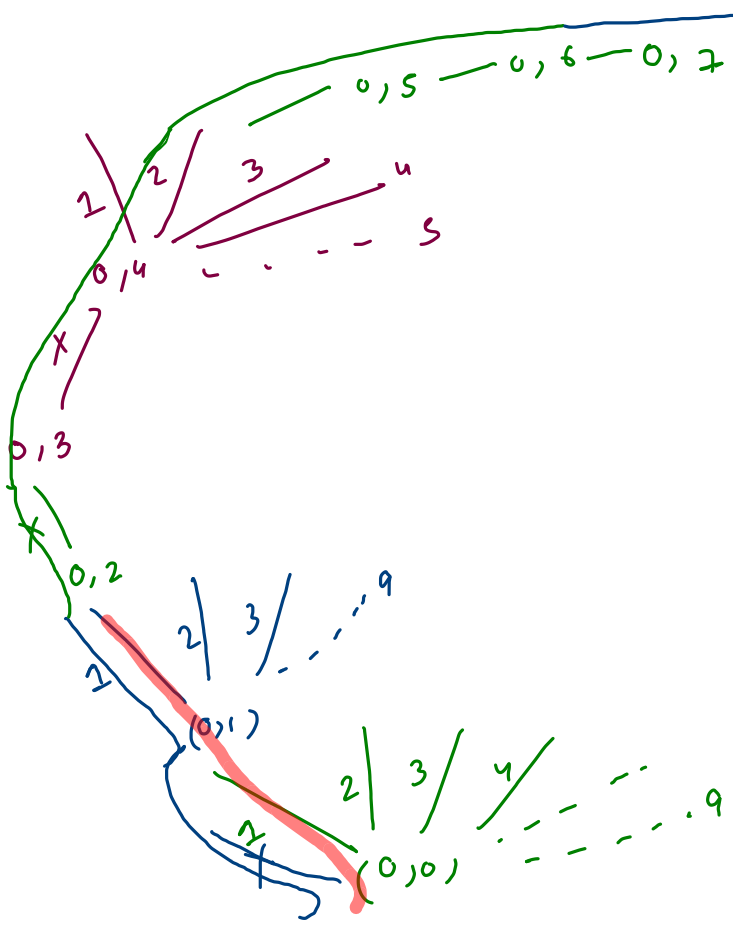
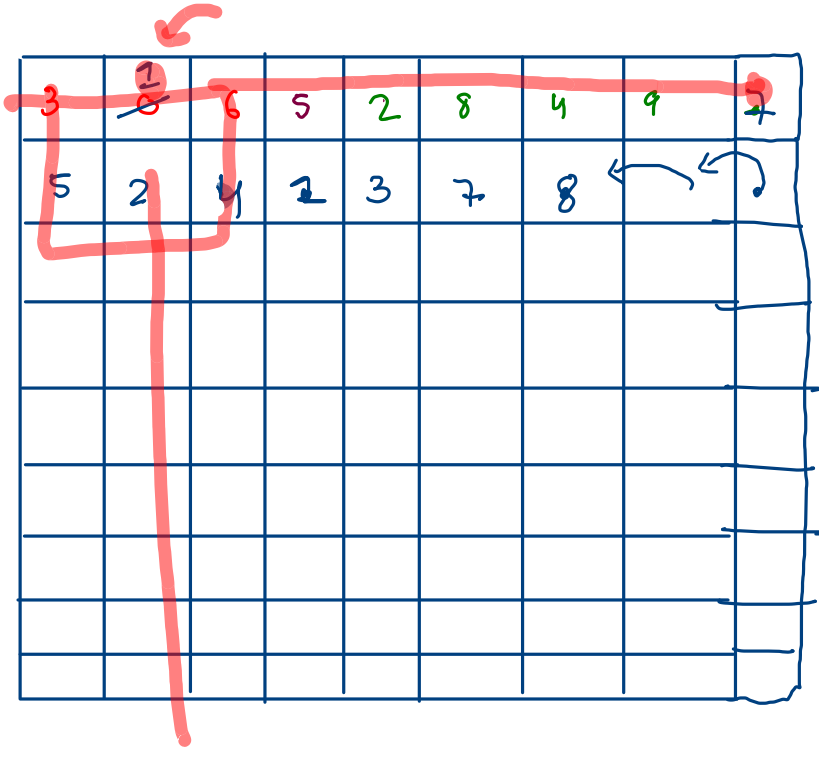
3 0 6 5 0 8 4 0 0
5 2 0 0 0 0 0 0 0
0 8 7 0 0 0 0 3 1
0 0 3 0 1 0 0 8 0
9 0 0 8 6 3 0 0 5
0 5 0 0 9 0 6 0 0
1 3 0 0 0 0 2 5 0
0 0 0 0 0 0 0 7 4
0 0 5 2 0 6 3 0 0





```
for(int r=0; r < 3;r++) {
    for(int c=0; c < 3;c++) {
        if(board[smrs+r][smcs+c] == d) {
            return false;
        }
    }
}
```

r -> 0

i = 5

c -> 0, 1, 2

j = 7

smr = 3

smc = 6

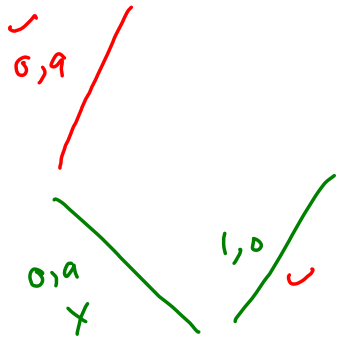
	0	1	2	3	4	5	6	7	8
0	3	0	6	5	0	8	4	0	0
1	5	2	0	0	0	0	0	0	0
2	0	8	7	0	0	0	0	3	1
3	0	0	3	0	1	0	0	8	0
4	9	0	0	8	6	3	0	0	5
5	0	5	0	0	9	0	6	0	0
6	1	3	0	0	0	0	2	5	0
7	0	0	0	0	0	0	0	7	4
8	0	0	5	7	0	6	3	0	0

smr = (i / 3) * 3

smc = (j / 3) * 3

chemistry, physics, history, maths, civics, geography

	0	1	2	3	4	5	6	7	8	9
0										c
1	p									M
2	h									F
3	y									M
4	s									t
5	i					M	a	t	h	s
6	c	i	v	i	c	s				r
7	s									L
8		g	e	o	g	r	a	p		Y
9										



geography

civics

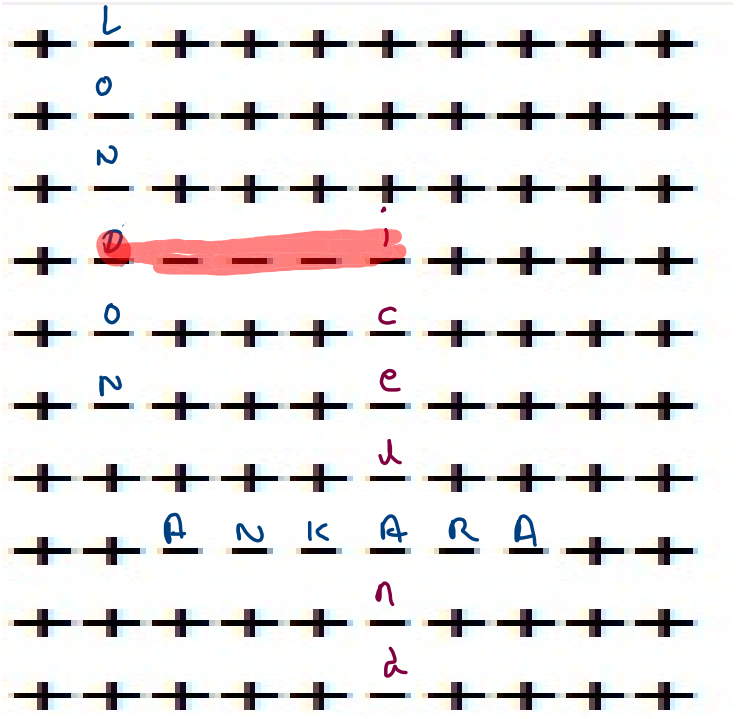
maths

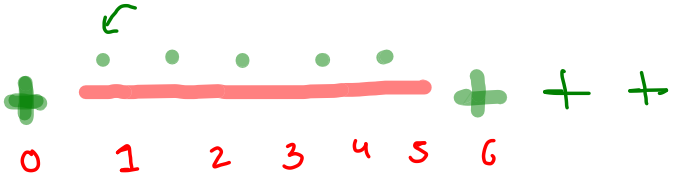
history

Chemistry

physics

LONDON
DELHI
ICELAND
ANKARA





delhi

iceland

len = 5

3, 1

Ankara

London

(i, j)

P	E	R	K	
-	-	-	-	+
-	+	-	-	+
-	+	-	-	+
-	+	+	-	+
+	+	+	+	+

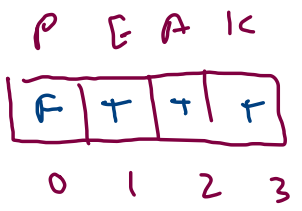
Peak

Peak

atc

kite

Peah



S1 = S E N D

S2 = M O R E

S3 = M O N E Y

S1 + S2 = S3

1 0 2 3

5 9 8 0

5 9 2 0 4

Uch count ≤ 10

S → 1

E → 0

N → 2

D → 3

M → 5

O → 9

R → 8

Y → 4

Y

R

O

M

D

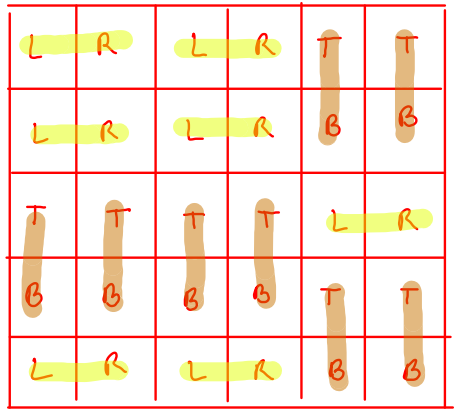
N

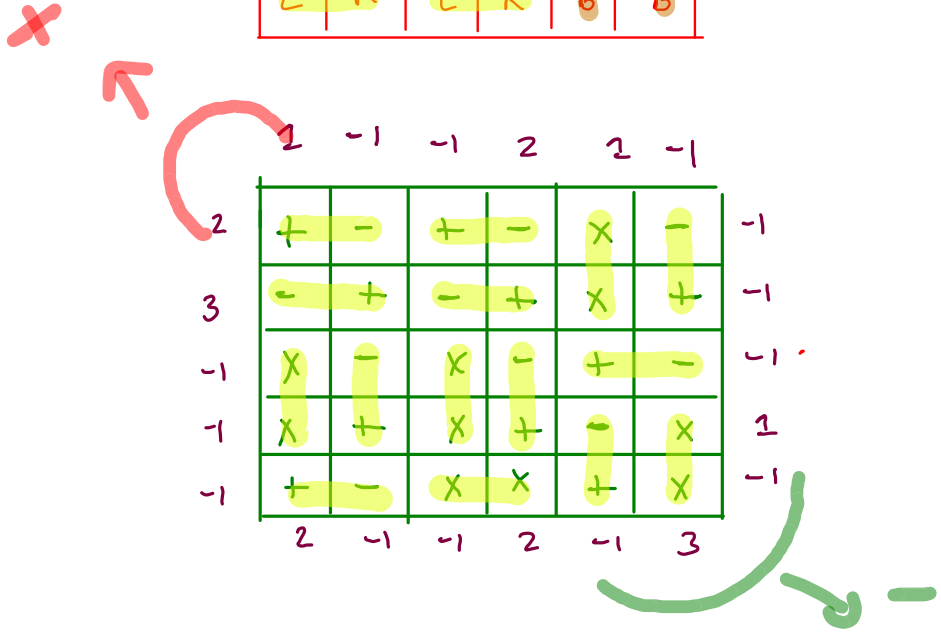
E

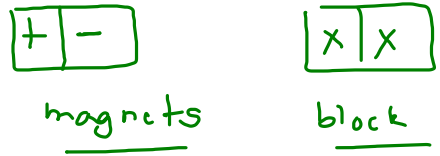
S

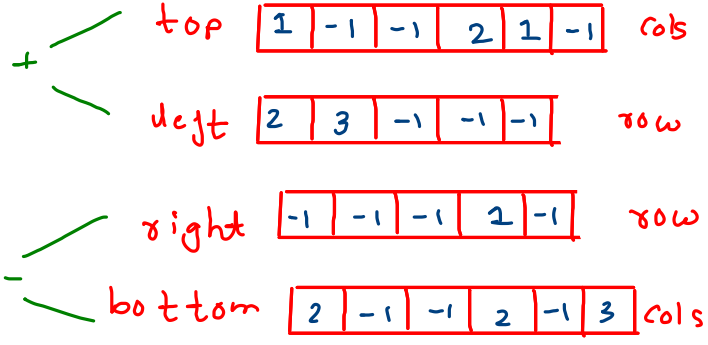
5 6
LRLRTT
LRLRBB
TTTTLR
BBBBTT
LRLRBB

1 -1 -1 2 1 -1
2 3 -1 -1 -1
-1 -1 -1 1 1 -1
2 -1 -1 2 -1 3





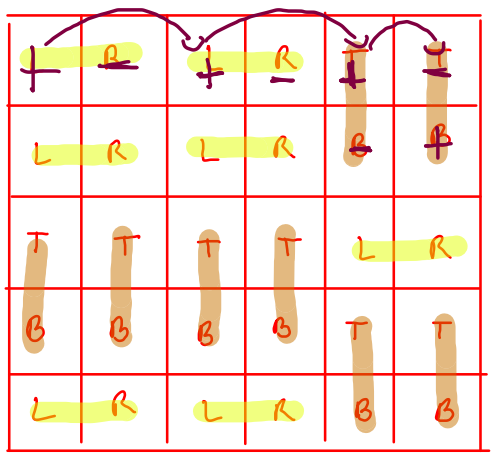


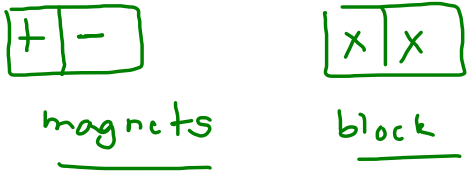


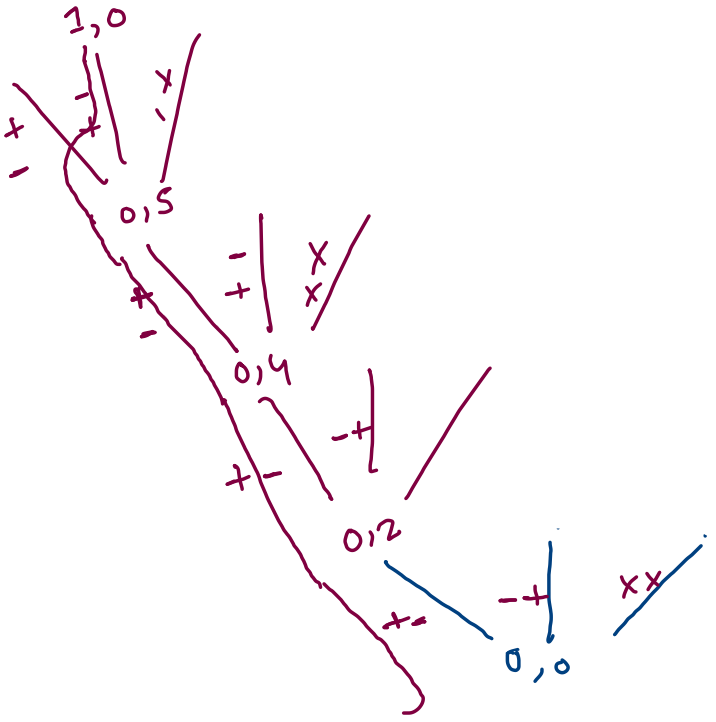
validation -> ① - configuration (2R | 1B)

② - sign

③ - count


+ R + R + +
L R L R B B
T T T T L R
B B B B T T
L R L R B B


+ −
magnets
X X
block


1,0
0,5
0,4
0,2
0,0