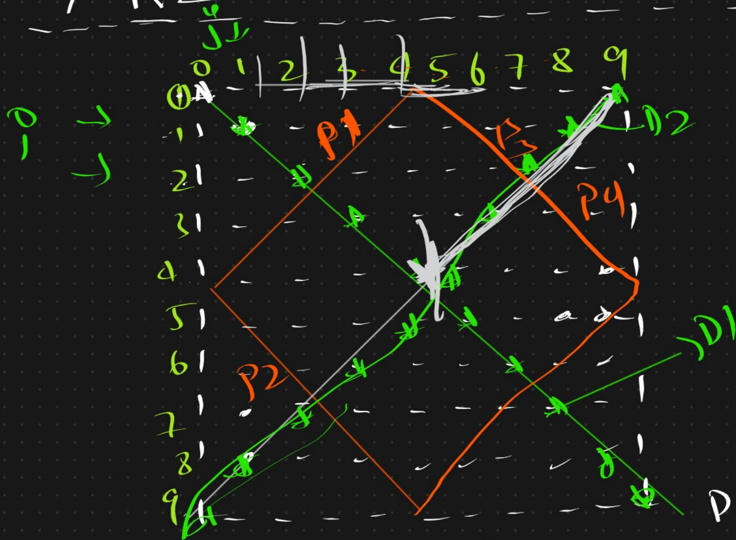
=> K Z M N - - - X Y △ ◇ ▷



i	j
0	0
1	1
2	2
3	3
4	4
⋮	⋮

P1: $i == j$

i	j	
0	9	= 9
1	8	9
2	7	9
3	6	9
⋮	⋮	
9	0	9

$i + j == n-1$

P1

	i	j
4	0	4
4	1	3
4	2	2
4	3	1
4	4	0

P1: $i+j == \frac{n-1}{2}$

P2

	i	j
4	4	0
4	5	1
4	6	2
4	7	3

P2: $i - j == \frac{n-1}{2}$

P3

	i	j
4	0	4
4	1	5
4	2	6
4	3	7
4	4	8

P3: $j - i == \frac{n-1}{2}$

P4

i	j	
4	8	=> 12
5	7	=> 12
6	6	=> 12

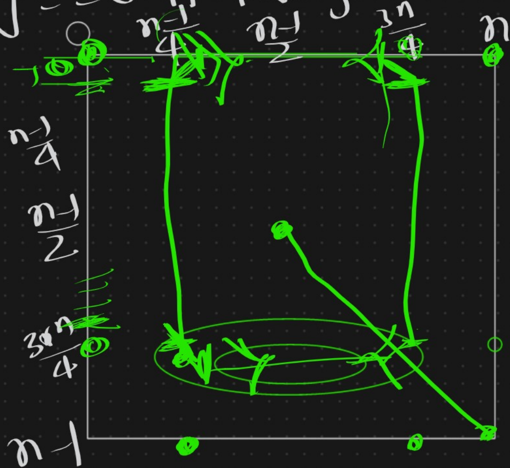
$i+j == 9 + \frac{8}{2}$ (13)

$i+j == n + \frac{n-1}{2}$ (12 to 13)

K => $j == 0 \,||\, i+j == \frac{n-1}{2} \,||\, i-j == \frac{n-1}{2}$

Ø => $i == 0 \,||\, i == n-1 \,||\, i+j == n-1$

=> M => $j == 0 \,||\, i <= j$



$j == \frac{n-1}{4}$ && $i > 0$ && $i < \frac{3*n}{4}$ ||

$j == \frac{3*n}{4}$ && $i > 0$ && $i < \frac{3*n}{4}$ ||

$i == 0$ && $j > \frac{n-1}{4}$ && $j < \frac{3*n}{4}$

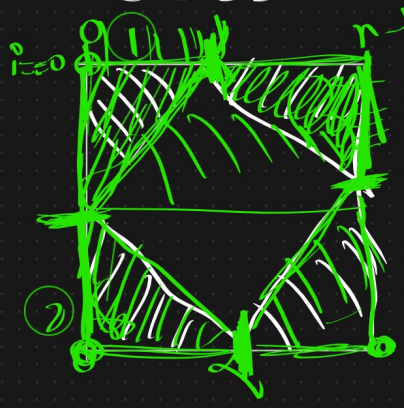
$i == \frac{3*n}{4}$ && $j > \frac{n-1}{4}$ && $j < \frac{3*n}{4}$

R R R X

Assignment

A to Z :-

{ your NAME → }
{ TELUSKO → }



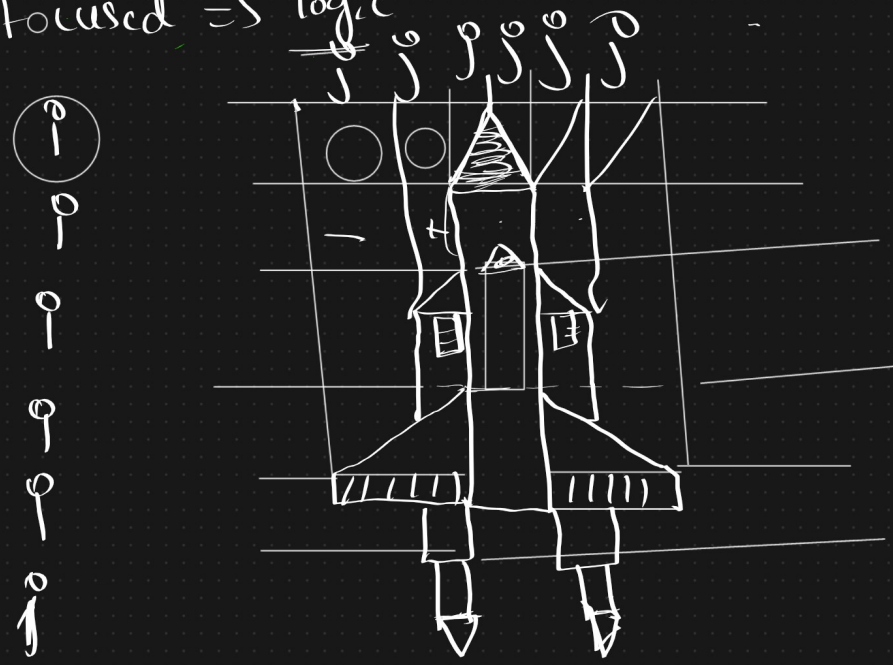
i==0 && j<=(n-1)/2 ||
j==0 && i<=(n-1)/2 ||
i+j==(n-1)/2

i==0 && j>=(n-1)/2 ||
j==n-1 && i<=(n-1)/2 ||
j-i==(n-1)/2

j==0 && i>=(n-1)/2 ||
i==n-1 && j<=(n-1)/2 ||
i-j==(n-1)/2

j==n-1 && i>=(n-1)/2 ||
i==n-1 && j>=(n-1)/2 ||
i+j==n-1+(n-1)/2

⇒ Focused on logic



1
2
3
4
5
i

for(i)
{
for(j)
for(j)
for(j)
System.out.println()
}

=> switch case :-

=> switch(exp)
{
case exp: statement;
case exp2: statement;
...
}

if }
else }

Datatypes => ✓
operators => ✓
conditional (if-else) => ✓
loops & nested loop => ✓
switchcase => ✓
↳ break -> mandatory (or) optional ✓

=> 0 is attached to integer literal ie considered as octal number

4 5
0100 0101
7654 3210

$2^6 + 2^2 + 2^0$
64 + 4 + 1 => 69

45
100 101
543 210

$2^5 + 2^2 + 2^0$
=> 32 + 4 + 1 => 37

000
001
010
011
100
101
110
111

0b 100 101
2^5 2^2 2^0
=> 37

```
class Launch
{
    int age;
    String name;

    void disp()
    {
    }
    void dispNum()
    {
    }
}
```

HyderAbbas

class Name => PascalCase

start with capital letter

class HyderAbbas

small letter

- camel case
- underscore

{ noOfWing
  no_of_wing

age() disp() show()

small → capital

camelcase

first word small
other words without gap first capital

ageOfHyder()
{
}

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Naming:- class → start with capital letter
if multiple words in class name
then without space Every word
must start with capital

eg: class HyderAbbas
{
}