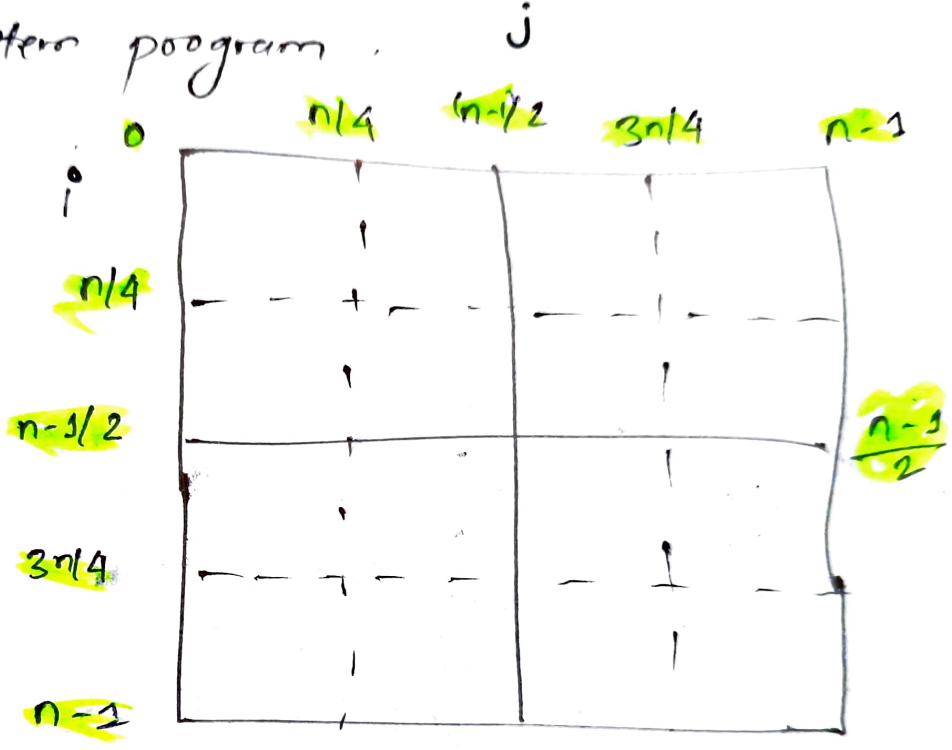
Diagram of pattern program.

i → row
j → column



P_1 =

i	j
0	4 → 4
1	3 → 4
2	2 → 4

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

P_2 =

i	j
0	1 = 4
1	5 = 4
2	6 = 4

$j - i = n - 1/2$

P_3 =

i	j
4	0 = 4
5	1 = 4
6	2 = 4

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

P_4 = $n - 1 + \left(\frac{n-1}{2}\right) = i + j$

$d_1 = P_1 P_2 = j$

$d_2 = i + j = n - 1$