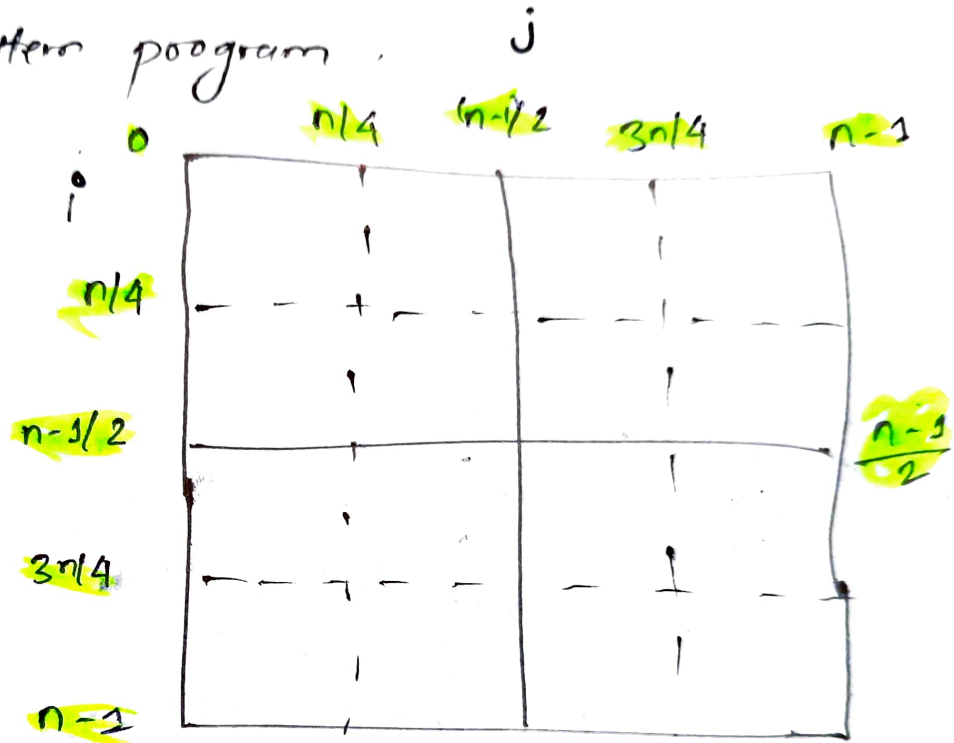


Diagram of pattern program .

$i \rightarrow$ row
 $j \rightarrow$ column



$$P_1 = \begin{matrix} i & j \\ 0 & 4 \rightarrow 4 \\ 1 & 3 \rightarrow 4 \\ 2 & 2 \rightarrow 4 \end{matrix} \quad [i+j = \frac{n-1}{2}]$$

$$P_2 = \begin{matrix} i & j \\ 0 & 4 = 4 \\ 1 & 5 = 4 \\ 2 & 6 = 4 \end{matrix} \quad [j-i = n-1/2]$$

$$P_3 = \begin{matrix} i & j \\ 4 & 0 = 4 \\ 5 & 1 = 4 \\ 6 & 2 = 4 \end{matrix} \quad [P-j = \frac{n-1}{2}]$$

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

$$d_1 = 4P_1 = j$$

$$d_2 = i+j = n-1$$

