

Leetcode 2946 :

$$n \leq 25$$

$25 \times 25 \rightarrow$  max size

$$k \cdot n$$

$$k \leq 25$$

③

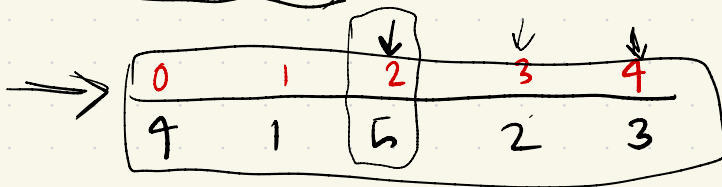
$$O(m \times k \times n)$$

$\rightarrow [1, 5, 2, 3, \boxed{4}]$

→ [4 1 5 2 3] - e - m, k, n ≤ 25

$25^3 \approx 16000$

$K=3$



ideally, 3 will be at  $(4+3)^{\text{th}}$  index

$$(4+3) \bmod 5 = 2$$

$arr[i][j + k \% n] = mat[i][j]$   
 $(-2 + 5)$   
 $(-1 + 5) =$   
 $0 \rightarrow k-1$

$$0 \rightarrow k-1$$

$$K_{\text{eff}} = n$$

$k=3$

$3 \rightarrow 0$

$4 \rightarrow 1$

0th  $\rightarrow$   $k-1$

Int ~~AK~~

2nd  $\rightarrow (k+1)$

$$\underline{(-3) + 7 =}$$

0 → 2 ✓

1 → 3 ✓

$2 \rightarrow 4$

$$3 - k = 0$$

$$\begin{array}{c|c|c|c|c} 1 & 2 & 3 & 4 & 5 \\ 0 & 1 & 2 & 3 & 4 \\ 4 & 1 & 5 & 2 & 3 \end{array}$$

$$k = 4$$

$$< n$$

$$\begin{array}{l} 0 \rightarrow 1 \\ 1 \rightarrow 2 \\ 2 \rightarrow 3 \end{array} \quad \begin{array}{l} 3 \rightarrow 4 \\ 4 \rightarrow 0 \end{array}$$

$$k \% n$$

$$\begin{array}{c} 0 \\ 4 \end{array} \quad \begin{array}{c} 1 \\ 1 \end{array} \quad \begin{array}{c} 2 \\ 5 \end{array} \quad \begin{array}{c} 3 \\ 2 \end{array} \quad \begin{array}{c} 4 \\ 3 \end{array}$$

$$0 \rightarrow 2$$

$$1 \rightarrow 3$$

$$2 \rightarrow 4$$

$$3 \rightarrow 0$$

$$4 \rightarrow 1$$

$$\begin{array}{c} 2 \\ 0 \\ 5 \end{array} \quad \begin{array}{c} 3 \\ 1 \\ 3 \end{array} \quad \begin{array}{c} 4 \\ 2 \\ 1 \end{array} \quad \begin{array}{c} 5 \\ 3 \\ 2 \end{array} \quad \begin{array}{c} 0 \\ 4 \\ 4 \end{array} \quad \begin{array}{c} 1 \\ 5 \\ 1 \end{array}$$

$$k = 4$$

$$0 \rightarrow -4 + 6 = 2$$

$$1 \rightarrow -3 + 6 = 3$$

$$2 \rightarrow 4$$

$$3 \rightarrow 5$$

$$4 \rightarrow 0$$

$$5 \rightarrow 1$$

$$(j - k) < 0 : (j - k + n)$$

