



① Do XOR of whole array
 ↓
 a ^ b
 ② Get the index of any set bit * Oneset =
 [$\text{RMSB} \rightarrow \text{first reset set bit}$]
 (K)
 ③ $\text{Kset} = 0 \leftarrow \text{XOR a[i] if } k^{\text{th}} \text{ bit is set}$
 (unset) = 0 $\leftarrow \text{XOR a[i] if } k^{\text{th}} \text{ bit is unset}$
 k-

5 1 7 3 1 2 7
 101
 001
 111
 011
 001
 010
 010
 111
 110

110 k=2

① $5^*3 = 110$
 100
 11

$\begin{bmatrix} 0 \\ 0 \end{bmatrix}$	$\begin{bmatrix} 0 \\ 0 \end{bmatrix}$	$\begin{bmatrix} 0 \\ 0 \end{bmatrix}$	$\begin{bmatrix} 0 \\ 0 \end{bmatrix}$	$\begin{bmatrix} 0 \\ 0 \end{bmatrix}$	$\begin{bmatrix} 0 \\ 0 \end{bmatrix}$	$\begin{bmatrix} 0 \\ 0 \end{bmatrix}$
0	0	1	0	1	0	1
0	0	1	1	1	0	1
0	1	0	0	1	1	0
0	1	0	1	1	0	1
0	1	1	0	1	1	0
0	1	1	1	1	1	1

1010 (2)

[illegible]

$$\begin{array}{r}
 10 \ 9 \ 8 \ 7 \ 6 \ 5 \ 4 \ 3 \ 2 \ 1 \ 0 \\
 1 \ 0 \ 1 \ 1 \ 0 \ 1 \ 0 \ 1 \ 0 \ 1 \\
 \times 1 \ 0 \ 0 \ 0 \ 1 \ 0 \ 0 \ 0 \ 0 \ 0 \ 0 \ 0 \\
 \hline
 0 \ 0 \ 0 \ 1 \ 0 \ 0 \ 0 \ 0 \ 0 \ 0 \ 0
 \end{array}$$

[illegible]