

1. Write a program which XOR of all possible pairwise sum from two given Arrays.

**Input:**  $A[] = \{1, 2\}$ ,  $B[] = \{3, 4\}$

**Output:** 2

**Explanation:**

Sum of all possible pairs are  $\{4(1 + 3), 5(1 + 4), 5(2 + 3), 6(2 + 4)\}$

XOR of all the pair sums =  $4 \wedge 5 \wedge 5 \wedge 6 = 2$

**Input:**  $A[] = \{4, 6, 0, 0, 3, 3\}$ ,  $B[] = \{0, 5, 6, 5, 0, 3\}$

**Output:** 8

2. Write a program which implements all the six bitwise operators discussed in class.