


```

low, high = max(0, K - n2), min(K, n1)
while (low <= high) {
    mid = (low + high) / 2
    oMid = K - mid
    l1, l2 = INT_MIN, INT_MIN
    r1, r2 = INT_MAX, INT_MAX
    if (mid < n2) r1 = arr1[mid]
    if (oMid < n2) r2 = arr2[oMid]
    if (mid - 1 > 0) l1 = arr1[mid - 1]
    if (oMid - 1 > 0) l2 = arr2[oMid - 1]
    if (l1 <= r2 && l2 <= r1) {
        if ((r1 + r2) % 2 != 0) {
            return max(l1, l2)
        } else {
            return (max(l1, l2) + min(r1, r2)) / 2
        }
    } else if (l1 > r2) {
        high = mid - 1
    } else {
        low = mid + 1
    }
}
return 0
}

```