Runtime is O(sn on3) = O(n2)

(b)

void f2(int n)

n for(int i=1; i <= n; i++){
 n for(int k=1; k <= n; k++){
 if(\(\lambda \) \| \lambda \) \(\lambda \)</pre> **if**(A[k] == i){ for(int m=1; m <= n; m=m+m){
// do something that takes O(1) time
// Assume the contents of the A[] array are</pre> not changed } } (m=1; m&n , m=m+m) m= 1 2 4 8 16 2 × n 2 x-1 = n X-1= 10g=4 x= (092 n+1 inner loop runtime : 4 Ollogen) if (ATK)==i) can be true for at most a times Runtime is: n2 + n log2n if storpment entered inner loop Q (n2)+ Q (nlog2n) = Q(n2)

int f (int n)

int *a = new int [10];

n for (int i = 0; i < n; i ++)

int size = 10;