1) What is the time complexity of the following code:

```
int i, j, k = 0;

for (i = n / 2; i <= n; i++) {

  for (j = 2; j <= n; j = j * 2) { log n

      k = k + n / 2;

  }

A. O(n)

B. O(nLogn)
```

D. O(n^2Logn)2) What is the time complexity of the following code:

```
for(int i=0;i<n;i++)
for(int j=0;j<m;j++)
temp = j

A. O(n)
B. O(m)
C. O(nm)
```

C. O(n^2)

D. O(n+m)3) What is the time complexity of the following code:

5) What is the time complexity of the following code:

```
int a = 0, i = N;
while (i > 0) {
a += i;
i /= 2;
```

Big (⋈) ^

A. O(N)
B. O(Sqrt(N))
C. O(N/2)

D. O(log N)

