Time Complexity

Hey Everyone, This topic has only Multiple Choice Questions

Please try it once by yourself then see the solutions.

Basic Primer	
LOOP_CMPL	**Option C: O(N + M) time, O(1) space**
NESTED_CMPL	**Option A: O(N * N) time, O(1) space**
NESTED_CMPL2	**Option D: O(N*N)**
CHOOSE4	**Option B: X will always be a better choice for large inputs**

Math	
WHILE_CMPL	**Option D: O(log N)**
NESTED_CMPL3	**Option D: O(N)**
LOOP_CMPL2	**Option B: Θ(nLogn)**
GCD_CMPL	**Option A:Θ(logn)**

Compare Functions	
CHOOSE1	**Option C: n^3 / (sqrt(n))**
CHOOSE3	**Option C: for(i = 1; i < n; i *= 2)**
CHOOSE2	**Option A: f3, f2, f4, f1**

Function Calling Itself	
REC_CMPL1	**Option D: O(N)**
REC_CMPL2	**Option A: O(2^(R + C))**
REC_CMPL3	**Option B: O(R*C)**

Amortized Complexity	
AMORTIZED1	**Option A: O(n)**