Exercise: Time complexity

Student ID and Names:

What is the asymptotic notation of T(n) of the following codes:

No	Code	$\Theta(n)$
| 1 | ```java
public static void f(int n){
    int result=0;
    for(int i = 3; i<n; i++)
        result +=1;
    System.out.println(result);
}
``` | $n$ |
| 2 | ```java
public static void f(int n){
    int result=0;
    for(; n > 0 ; n/=2)
        result +=1;
    System.out.println(result);
}
``` | $\log_2 n$ |
| 3 | ```java
public static void f(int n){
    int result=0;
    for(int i = 0; i<n; i++)
        for(int j = 0; j<n; j++)
            result +=1;
    System.out.println(result);
}
``` | $n^2$ |
| 4 | ```java
public void f(int n){
    for(int i = 0 ; i < 10; i++) n++;
    System.out.println(n);
}
``` | $10$ |
| 5 | ```java
public int f(int n) {
    if(n<1) return 0;
    else if(n==1) return 1;
    return f(n-1)+f(n-2);
}
``` | $2^n$ |