Int pow (int x, int n)

{

if(n==0)

return 1;

else

return x \* pow(x\*n-1);

}

T(0)=time to solve the problem of size 0 , also known as the base case.

T(n)=time to solve the problem of size n , also known as recursive case.

For size base case

T(0)=C1;

For size recursive case

T(n)=C2+T(n-1);

C2 is the time used to solve for x.

T(n-1) to solve for the recursive case.