#include<iostream>

using namespace std;

int power(int a ,int b) //( O( log(b) ) )

{

if(b==0) //base case

{

return 1;

}

//recursive case -b is odd or even

int smallerans=power(a,b/2);

smallerans=smallerans\*smallerans;

if(b&1)

{

smallerans=smallerans\*a;

}

return smallerans;

}

int main()

{

int a,b;

cin>>a>>b;

cout<<power(a,b)<<"\n";

}