#include<iostream>

using namespace std;

int power\_optimized(int a,int n)

{

int ans=1;

while(n>0)

{

int last\_bit=(n&1);

if(last\_bit)

{

ans=ans\*a;

}

a=a\*a;

n=n>>1;

}

return ans;

}

int main()

{

int a,n;

cin>>a>>n;

cout<<power\_optimized(a,n)<<endl;

return 0;

}