//decimal to binary using bitwise

#include<bits/stdc++.h>

using namespace std;

int decimaltobinary(int n)

{

int ans=0;

int p=1;

while(n>0)

{

int last\_bit=(n&1);

ans=ans+ ( p\*last\_bit);

p=p\*10;

n=n>>1;

}

return ans;

}

int main()

{

int n;

cin>>n;

cout<<decimaltobinary(n)<<endl;

}