#include<stdio.h>

int main(){

int count=0;

count++;

int n;

scanf("%d",&n);

count++;

for(int i=n/2;i<n;i++){

count++;

for(int j=1;j<n;j=2\*j){

count++;

for(int k=1;k<n;k=k\*2){

count++;

count++;

}

count++;

}

count++;

}

printf("%d",count);

}

