import java.util.Scanner;

public class PowersOf2

{

public static void main(String[] args)

{

int num;

int npow = 1;

int exponent;

Scanner scan = new Scanner(System.in);

System.out.println("How many powers of 2 would you like printed?");

num = scan.nextInt();

int x = 0;

while ( x < num )

{

System.out.println("2^"+(x+1)+" = " + (npow\*=2));

x++;

}

}

}