# Problem: Utopian Tree

S **ample Input**

3

0

1

4

**Sample Output**

1

2

7

Program:

t = int(input())

while t:

    n = int(input())

    start = 1

    for i in range(1,n+1):

        # print(i)

        if i == 0:

            print(start)

            break

        if i%2==0:

            start =start + 1

            # print(i,start)

        else:

            start = start \* 2

            # print(i,start)

    print(start)

    t=t-1