This is a [reverse challenge](https://codefights.com/forum/oJpnZsJF5udPgq3Kd). Have fun!

*Hint:* check out function name.

**Input/Output**

* **[time limit] 4000ms (py)**
* **[input] integer power**

*Constraints*:

0 ≤ power ≤ 50.

* **[output] string**

<https://codefights.com/challenge/YgF9vgTWbt2LiEm9A/main>

nput:

**power:** 0

Output:

*Empty*

Expected Output:

"1"

Console Output:

*Empty*

Input:

**power:** 3

Output:

*Empty*

Expected Output:

"15"

Console Output:

*Empty*

Input:

**power:** 7

Output:

*Empty*

Expected Output:

"255"

Console Output:

*Empty*

Input:

**power:** 16

Output:

*Empty*

Expected Output:

"131071"

Console Output:

*Empty*

Input:

**power:** 47

Output:

*Empty*

Expected Output:

"281474976710655"

Console Output:

*Empty*

def **powerSum**(power):

sum=0

for i in range(0, power+1):

sum += 2\*\*i

return str(sum)

print powerSum(16)