ng C-2024 Status Finished Started Sunday, 12 January 2025, 5:02 PM mpleted Sunday, 12 January 2025, 6:02 PM Ouration 59 mins 55 secs You are a bank account hacker. Initially you have 1 rupee in your account, and you want exactly N rupees in your account. You wrote two hacks, first hack can multiply the amount of money you own by 10, while the second can multiply it by 20. These hacks can be used any number of time. Can you achieve the desired amount N using these hacks. Constraints: 1<=T<=100 1<=N<=10^12 Input The test case contains a single integer N. Output For each test case, print a single line containing the string "1" if you can make exactly N rupees or "0" otherwise. SAMPLE INPUT SAMPLE OUTPUT SAMPLE INPUT

SAMPLE OUTPUT

100

Answer: (penalty regime: 0 %)

	Test	Expected	Got	
~	printf("%d", myFunc(1))	1	1	~
~	printf("%d", myFunc(2))	в	ø	~
~	printf("%d", myFunc(10))	1	1.	V
~	printf("%d", myFunc(25))	0	9	~
V.	printf("%d", myFunc(200))	1	1	~

Find the number of ways that a given integer, **X**, can be expressed as the sum of the **N**th powers of unique, natural numbers.

For example, if X = 13 and N = 2, we have to find all combinations of unique squares adding up to 13. The only solution is $2^2 + 3^2$.

Function Description

Complete the powerSum function in the editor below. It should return an integer that represents the number of possible combinations.

Find the number of ways that a given integer, X, can be expressed as the sum of the Nth powers of unique, natural num Correct For example, if X = 13 and N = 2, we have to find all combinations of unique squares adding up to 13. The only solution is $2^2 + 3^2$. **Function Description** Complete the powerSum function in the editor below. It should return an integer that represents the number of possible combination werSum has the following param X: the integer to sum to N: the integer power to raise numbers to Input Format The first line contains an integer X. The second line contains an integer N. 1 ≤ X ≤ 1000 2 ≤ N ≤ 10 **Output Format** Output a single integer, the number of possible combinations calculated Sample Output 0 Explanation 0 If X = 10 and N = 2, we need to find the number of ways that 10 can be represented as the sum of squares of unique numbers. $10 = 1^2 + 3^2$ This is the only way in which 10 can be expressed as the sum of unique squares. Sample Input 1 100 Sample Output 1 $100 = (10^2) = (6^2 + 8^2) = (1^2 + 3^2 + 4^2 + 5^2 + 7^2)$ 100 Sample Output 2 Explanation 2 100 can be expressed as the sum of the cubes of 1, 2, 3, 4. (7 + 8 + 27 + 64 = 100). There is no other way to express 100 as the sum of cubes Answer: (penalty regime: 0 %)
Reset answer 1 * /*
2 * Complete the 'powerSum' function below.
3 * The function is expected to return an I
5 * The function accepts following paramete