CS 101 Lab 6 Revision Thu

A number is said to be **Disarium** if it is equal to the sum of its digits raised to the power of their respective position in the number. Some Disarium Numbers: 1, 2, 3, 4, 5, 6, 7, 8, 9, 89, 135, 175, 518, 598, ... For example, 135 is a Disarium number since $135 = 1^1 + 3^2 + 5^3 = 1 + 9 + 125 = 135$. Implement a method to check if the given input is a Disarium number. Use `int countDigits(int)` inside your new method to determine powers of each digit.

Sample runs:

Enter number to be examined: 135
135 is a Disarium Number.