Problem Title: Candy Lake in CUET!

Description:

CUET has a candy lake. There are N candies in the lake(From 1 to N). Every candy has a number written on it (A1, A2,….., AN). Sweetness can be determined from these numbers.

Bhotka loves to eat candies. He wants to eat as many candies as he can. But he gets sick if he eats more than K sweetness. Let’s say, Bhotka can eat at most S candies. Then the sweetness of i’th candy is Ai + S\*i where 1< i <N.

You are given N. Numbers written on the candies and K. Determine S and X.

X is the minimum total sweetness of those S candies.

Input:

The first line contains N – Number of candies in the lake (N < 105).

The second line contains N space-separated integers A1, A2,…,AN (1 < Ai < 105).

The third line contains K- Sweetness Bhokta can take (0 < K < 109).

Output:

Print two space-separated numbers- S and X.

S is the maximum number of candies Bhotka can eat.  
X is the minimum total sweetness of those S candies.  
  
Sample Input:

5

5 4 3 2 1

16

Sample Output:

2 15

Explanation:

If he eats 3 candies, then the sweetness of the candies are 5+3\*1, 4+3\*2, 3+3\*3, 2+3\*4, 1+3\*5. He could eat 1 candy. Total sweetness would be 8.  
If he eats 2 candies, then the sweetness of the candies are 5+2\*1, 4+2\*2, 3+2\*3, 2+2\*4, 1+2\*5. He could eat 2 candies. Total sweetness would be 7+8 = 15 which is minimum.