You are given a string sentence containing words separated by spaces, and an integer k. Your task is to separate sentence into **rows** where the number of characters in each row is **at most**k. You may assume that sentence does not begin or end with a space, and the words in sentence are separated by a single space.

You can split sentence into rows by inserting line breaks between words in sentence. A word **cannot** be split between two rows. Each word must be used exactly once, and the word order cannot be rearranged. Adjacent words in a row should be separated by a single space, and rows should not begin or end with spaces.

The **cost** of a row with length n is (k - n)2, and the **total cost** is the sum of the **costs** for all rows **except** the last one.

* For example if sentence = "i love leetcode" and k = 12:
  + Separating sentence into "i", "love", and "leetcode" has a cost of (12 - 1)2 + (12 - 4)2 = 185.
  + Separating sentence into "i love", and "leetcode" has a cost of (12 - 6)2 = 36.
  + Separating sentence into "i", and "love leetcode" is not possible because the length of "love leetcode" is greater than k.

Return *the****minimum****possible total cost of separating*sentence*into rows.*

**Example 1:**

**Input:** sentence = "i love leetcode", k = 12

**Output:** 36

**Explanation:**

Separating sentence into "i", "love", and "leetcode" has a cost of (12 - 1)2 + (12 - 4)2 = 185.

Separating sentence into "i love", and "leetcode" has a cost of (12 - 6)2 = 36.

Separating sentence into "i", "love leetcode" is not possible because "love leetcode" has length 13.

36 is the minimum possible total cost so return it.

**Example 2:**

**Input:** sentence = "apples and bananas taste great", k = 7

**Output:** 21

**Explanation**

Separating sentence into "apples", "and", "bananas", "taste", and "great" has a cost of (7 - 6)2 + (7 - 3)2 + (7 - 7)2 + (7 - 5)2 = 21.

21 is the minimum possible total cost so return it.

**Example 3:**

**Input:** sentence = "a", k = 5

**Output:** 0

**Explanation:**

The cost of the last row is not included in the total cost, and since there is only one row, return 0.

**Constraints:**

* 1 <= sentence.length <= 5000
* 1 <= k <= 5000
* The length of each word in sentence is at most k.
* sentence consists of only lowercase English letters and spaces.
* sentence does not begin or end with a space.
* Words in sentence are separated by a single space.