**Substations**

The city of San Marcos would like to reduce the costs of electricity by minimizing the number of substations needed to power all the neighborhoods in the city. Because of infrastructure, placing substations in certain neighborhoods are impossible. So, we will denote those neighborhoods with either a 1 or a 0. The neighborhoods will be given in list format, and each neighborhood can only reach those nearby in relation to the list. Each substation will also have a set range that when placed on a specific neighborhood, it will be able to reach the neighborhoods ***strictly*** less than the given range.

Given the number of neighborhoods and the range of each substation, can you calculate the minimum number of substations needed to power all the neighborhoods?

**Input:** The first line of input contains two integers. The first one is **N**, the number of neighborhoods and **R** the range of the substations. The next line contains **N** space separated integers that are either a 1 or 0. The 1 represents if a substation can be placed there, a 0 is means it can’t.

**Output:** The minimum number of substations required to power all the neighborhoods.

**Example Input:**

6 2

0 1 1 1 1 0

**Example Output:**

2

**Explanation:** In this scenario, if we were to place a substation at the neighborhood at index 1 and 4, that will reach all neighborhoods.