3147. Taking Maximum Energy From the Mystic Dungeon

Description

In a mystic dungeon, `n` magicians are standing in a line. Each magician has an attribute that gives you energy. Some magicians can give you negative energy, which means taking energy from you.

You have been cursed in such a way that after absorbing energy from magician `i`, you will be instantly transported to magician `(i + k)`. This process will be repeated until you reach the magician where `(i + k)` does not exist.

In other words, you will choose a starting point and then teleport with `k` jumps until you reach the end of the magicians' sequence, **absorbing all the energy** during the journey.

You are given an array `energy` and an integer `k`. Return the **maximum** possible energy you can gain.

Example 1:

Input: `energy = [5,2,-10,-5,1], k = 3`

Output: `3`

Explanation: We can gain a total energy of 3 by starting from magician 1 absorbing 2 + 1 = 3.

Example 2:

Input: `energy = [-2,-3,-1], k = 2`

Output: `-1`

Explanation: We can gain a total energy of -1 by starting from magician 2.

Constraints:

- `1 <= energy.length <= 10^5`
- `-1000 <= energy[i] <= 1000`
- `1 <= k <= energy.length - 1`