## TASK 1:

There are N travelers and each of them has a LED light. Every LED is connected with a wire. Each LED has a switch associated with it, however due to faulty wiring, a switch also changes the state of all the LED to the right of current LED. Given an initial state of all LED, find the minimum number of switches you have to press to turn on all the LED. You can press the same switch multiple times.

Note: 0 represents the LED is off and 1 represents the LED is on.

Input Format:

The first and the only argument contains an integer array A, of size N.

Output Format:

Return an integer representing the minimum number of switches required.

Constraints:

```
1 <= N <= 5e5
0 <= A[i] <= 1
```

Example:

Input 1:

A = [1]

Output 1:

0

Explanation 1:

There is no need to turn any switches as all the bulbs are already on.

```
Input 2:
```

```
A = [0 1 0 1]
```

Output 2:

4

## Explanation 2:

```
press switch 0: [1 0 1 0]
press switch 1: [1 1 0 1]
press switch 2: [1 1 1 0]
press switch 3: [1 1 1 1]
```

TASK 2:

Grab the image inside the document and save it.



## Deadline:

Task1: Exact one day after task is assigned.

Task2: Two Days after the first task is submitted.

Submission:

Upload the code in a folder on drive and share the link.

NOTE: Please don't copy the code, as the plagiarism will be checked.