Sample Case 1

Sample Input For Custom Testing

```
19999
3
12
2
2
3
5
5
5
```

Sample Output

```
15
```

Explanation

There are *3* houses and initial_energy as *19999* as the initial energy is enough that Alex doesn't need to take any extra energy from any of the houses in fact just take all the coins from each house that is *5 + 5 + 5*, hence ending up with a total of *15* coins.