Problem: Jumping on the cloud: Revisited

Aerith is playing a cloud game! In this game, there are clouds numbered sequentially from to . Each cloud is either an *ordinary cloud* or a *thundercloud*.
Aerith starts out on cloud with energy level . She can use unit of energy to make a jump of size to cloud , and she jumps until she gets back to cloud . If Aerith lands on a thundercloud, her energy () decreases by additional units. The game ends when Aerith lands back on cloud .
Given the values of , , and the configuration of the clouds, can you determine the final value of after the game ends?
Note: Recall that refers to the modulo operation.

Input Format

The first line contains two space-separated integers, (the number of clouds) and (the jump distance), respectively.
The second line contains space-separated integers describing the respective values of clouds .
Each cloud is described as follows:

- If , then cloud is an *ordinary* cloud.
- If , then cloud is a *thundercloud*.

Constraints

-
-
-
-

Output Format

Print the final value of on a new line.

Sample Input

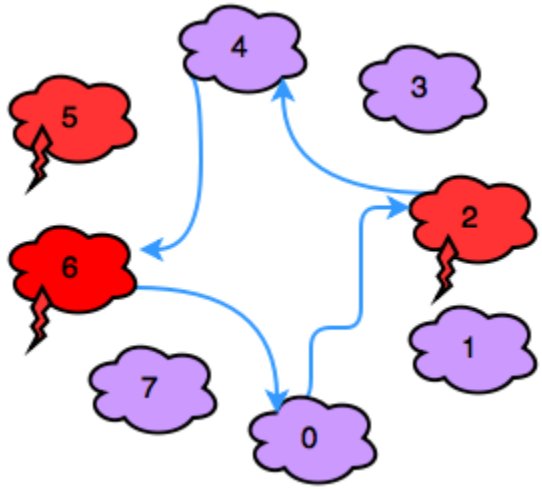
```
8 2
0 0 1 0 0 1 1 0
```

Sample Output

```
92
```

Explanation

In the diagram below, *red* clouds are thunderclouds and *purple* clouds are ordinary clouds:



Observe that our thunderclouds are the clouds numbered , , and . Aerith makes the following sequence of moves:

1. Move: , Energy: .
2. Move: , Energy: .
3. Move: , Energy: .
4. Move: , Energy: .

Thus, we print as our answer.

Solution

```
int main()
   {
      int jumps, totalClouds, energy=100;
      cin>>totalClouds >>jumps;
      int clouds[totalClouds];

      for(int i=0; i<totalClouds; i++)
         {
            cin>>clouds[i] ;     //to know if a regular cloud or thundercloud ?
         }

      /*Processing the data*/
      int nextcloud=0;
      do
         {
            nextcloud=(nextcloud+jumps)%totalClouds;
            (clouds[nextcloud]==1? energy-=3 : energy-=1);
         }
      while(nextcloud!=0);
      cout<<energy;
      return 0;
   }
```

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