

## Question 1

Correct

Marked out of 10.00

Given a bit stream of length N consisting of 0s and 1s, insert 0 after 1 has appeared K times consecutively.

**Input Format:**

The first line contains N and K separated by a space.

The second line contains the bit stream with 1s and 0s with each value separated by a space.

**Output Format:**

The first line the bit stream with the 0 inserted after 1s have appeared K times with each value separated by a space.

**Boundary Conditions:**

1 <= K <= 1000

2 <= N <= 1000

**Example Input/Output 1:**

Input:

12 2

1 0 1 1 0 1 1 0 1 1 1 1

Output:

1 0 1 1 0 0 1 1 0 0 1 1 0 1 1 0

**For example:**

Input	Result
12 2 1 0 1 1 0 1 1 0 1 1 1 1	1 0 1 1 0 0 1 1 0 0 1 1 0 1 1 0

**Answer:** (penalty regime: 0 %)

```

1 a=list(map(int,input().split()))
2 b=list(map(int,input().split()))
3 count=0
4 i=0
5 while i<len(b):
6     if b[i] == 1:
7         count +=1
8     else:
9         count=0
10
11     if count == a[1]:
12         b.insert(i+1,0)
13         count=0
14         i+=1
15     i+=1
16 print(' '.join(str(x) for x in b))

```

	Input	Expected	Got	
✓	12 2 1 0 1 1 0 1 1 0 1 1 1 1	1 0 1 1 0 0 1 1 0 0 1 1 0 1 1 0	1 0 1 1 0 0 1 1 0 0 1 1 0 1 1 0	✓

Passed all tests! ✓