May the Force be with you

One fine day, Yoda is just relaxing at his home. He has nothing planned for the day apart from writing awesome status messages on his fan page. But the Force had something else planned for him. In front of his house, there are N young jedi, waiting in a queue, to be trained by him. ~~Disappoint them, he must.~~ Yoda will assess how strong the Force is with each of the jedis. Let this be represented by N integers F[1...N]. The order in which the jedi are waiting in the queue is 1 to N. (The jedi labelled 1 is in front of the queue followed by 2 and so on.) Yoda follows the following procedure K times.

- If the queue is empty, he stops this process.
- The strength of the jedi who is in front of the queue is reduced by 1. Formally, if the ith jedi is in front of the queue, then F[i] -> F[i] -1
- The jedi who is in the front of the queue is sent to the back of the queue if the jedi's strength is strictly greater than 0. If the jedi's strength becomes 0, then he no longer joins the queue and just leaves.

Yoda wonders what the queue will look like at the end of K iterations. Help him, you have to.

Input:
The first line of the input consists of 2 integers N and K. (The number of jedi in the queue initially and the number of iterations Yoda follows respectively). In the second line, there are N space separated integers representing the values of F[1] to F[N].

Output:
If Yoda will not be able to complete his process, output a single line containing "-1" (quotes are only for clarity). In all other cases, if M jedis are remaining in the queue (0 <= M <= N), output a single line containing M and then M lines, each containing a single integer representing the label of the jedi in the order in which they stand in the queue. See sample output for explanation.

Constraints:
$1 \le N \le 10^5$
$0 \le K \le 10^{14}$
$1 \le F[i] \le 10^9$

Sample Input 1:
1 1
1

Sample Output 1:
0

Explanation:
There is only one jedi in the queue and the strength of the jedi is also 1. So after the first operation, the jedi's strength will become 0 and he will leave. So no jedi's will remain. Thus, only a single line containing the number of jedi remaining is printed.

Sample Input 2:
5 12
1 3 4 1 5

Sample Output 2:
1
5

Explanation:
After 12 iterations, only the 5th jedi will remain in the queue and the jedi's strength will be 2. So, we first print the number of jedi remaining on the first line and then the label of the jedi on the second line.

Time Limit: 1 sec

Composer: Nishant R. Krishan