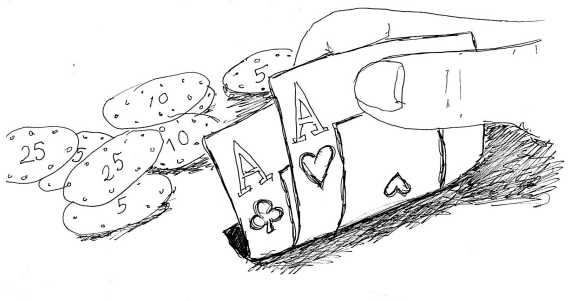
Problem C
Crooked Dealing



This week you started a flashy new job in Leeds as a poker dealer. Your task will be to hand out the cards for games. The base pay is not particularly good, but you found out that you can earn a lot from tips if you deal the cards well.

The most generous customers prefer that their opponents at the table don't receive any pairs of cards with the same number; so to keep them happy you will make sure this never happens.

You already know the numbers on every card in the pile , and the number of cards any player must have in their hand. Find how many hands you can make at once without introducing a pair.

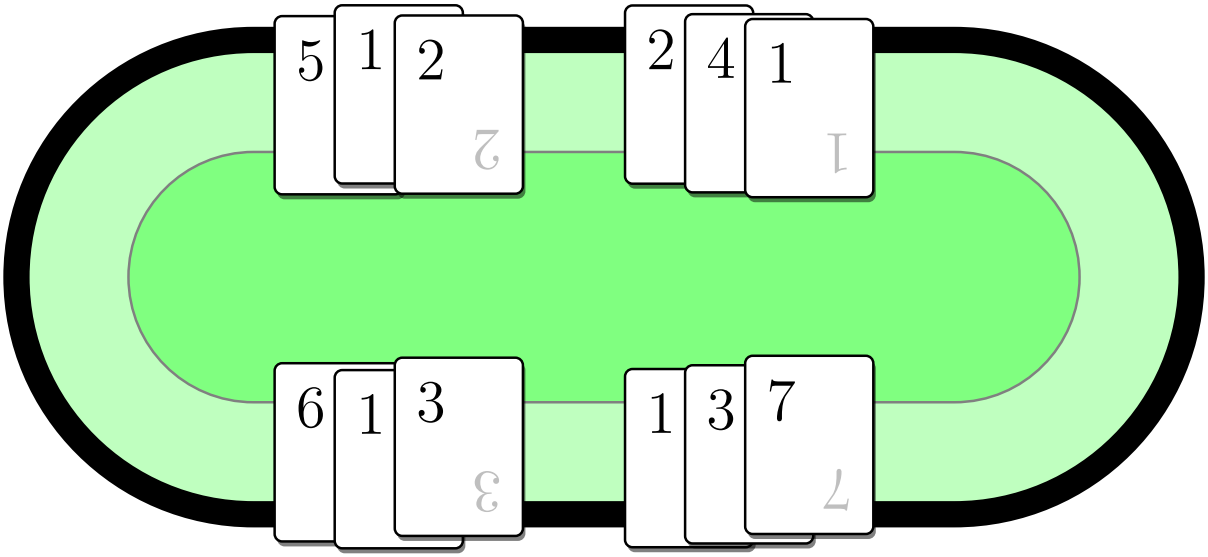


Figure C.1: Illustration of a solution to Sample Input 2.

Input

The input consists of:

- A line with two integers n and h ($1 \leq h \leq n \leq 10^6$), the number of cards in the pile, and the number of cards in a hand.
- A line with n integers $v_1, \ldots, v_n$ ($1 \leq v_i \leq 10^6$ for all i), the numbers on the cards in no particular order.

Output

If it is not possible to make any hands at all without introducing a pair, output `impossible`.

Otherwise, output k lines (where k is the maximum possible number of players) each containing h numbers from the input. You may not use any number any more times than it appears in v.

If there are multiple answers with a maximum value of k, you may output any one of them.

Sample Input 1

```
6 3
1 2 1 2 3 4
```

Sample Output 1

```
1 2 4
1 2 3
```

Sample Input 2

```
14 3
3 4 1 1 1 2 3 1 2 1 1 5 6 7
```

Sample Output 2

```
6 1 3
2 4 1
5 1 2
1 3 7
```

Sample Input 3

```
8 5
1 1 2 2 3 3 4 4
```

Sample Output 3

```
impossible
```