# Problem E
# Beautiful Array

Time limit: 1 second

## Problem Description

A-Ming's birthday is coming, and his friend A-May decided to give him an integer array as a present. A-Ming has two favorite numbers $a$ and $b$, and he thinks an array is *beautiful* if its mean is exactly $a$ and its median is exactly $b$. Please help A-May find a beautiful array so her gift can impress A-Ming.



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The mean of an array is its sum divided by its length. For example, the mean of array $[3, -1, 5, 5]$ is $12 \div 4 = 3$.

The median of an array is its middle element after sorting if its length is odd, or the mean of the two middle elements after sorting if its length is even. For example, the median of $[1, 1, 2, 4, 8]$ is 2 and the median of $[3, -1, 5, 5]$ is $(3 + 5) \div 2 = 4$.

Note that the mean and median are not rounded to an integer. For example, the mean of array $[1, 2]$ is 1.5.

## Input Format

The only line contains two integers $a$ and $b$.

## Output Format

In the first line, print the length of the array.

In the second line, print the elements of the array.

If there are multiple solutions, you can print any. It can be proved that, under the constraints of the problem, a solution always exists.

## Technical Specification

- $-100 \leq a, b \leq 100$
- The length of the array must be between 1 and 1000.
- The elements of the array must be integers, and their absolute values must not exceed $10^6$.

### Sample Input 1

```
3 4
```

### Sample Output 1

```
4
3 -1 5 5
```

### Sample Input 2

```
-100 -100
```

### Sample Output 2

```
1
-100
```