**4.Last K Numbers Sequence**

You are given two integers **n** and **k**. Write a function that generates and prints the following sequence:

* The first element is **1.**
* Every following element equals the sum of the previous **k** elements.
* The length of the sequence is **n** elements.

The **input** comes as two number arguments. The first element represents the number **n**, and the second – the number **k**.

The **output** is printed on the console on a single line, separated by space.

**Examples**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Input** | **Output** |  | **Input** | **Output** |
| 6, 3 | 1 1 2 4 7 13 | 8, 2 | 1 1 2 3 5 8 13 21 |

### Hints

The 2nd element (1) is the sum of the 3 elements before it, but there is only 1, so we take that. The third element is the sum of the first 2 (1 and 1), and the 4th – the sum of 1, 1, and 2. The 5th element is the sum of the 2nd, 3rd, and 4th (1, 2, and 4) and so on.