**Last K Numbers Sums Sequence**

Enter two integers **n** and **k**. Generate and print the following sequence of **n** elements:

* The first element is: **1**
* All other elements = sum of the previous **k** elements (if less than **k** are available, sum all of them)
* Example: n = **9**, k = **5** **120** = 1 + 1 + 2 + 4 + 8 + 16 + 31 + 61

**Examples**

|  |  |
| --- | --- |
| **Input** | **Output** |
| 6  3 | 1 1 2 4 7 13 |
| 8  2 | 1 1 2 3 5 8 13 21 |
| 9  5 | 1 1 2 4 8 16 31 61 120 |