

D Pencils

In order to prepare for his math test tomorrow, Alex has gathered N ($1 \leq N \leq 10^5$) pencils in front of him. However, his pencil bag only has room for K pencils ($1 \leq K \leq N$). Each of his pencils has an integer length in the range of 1 to 1000, inclusive. Because Alex's math test is really hard, he needs to write a lot if he wants to get a good grade, and so Alex wants to choose the longest K pencils to place into his pencil bag. Please help Alex pass his math test!

INPUT FORMAT:

The first line of input contains two integers N and K . The next N lines describe the length of the pencils.

OUTPUT FORMAT:

Output a single integer, the sum of the K longest pencils.

SAMPLE INPUT:

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7 3
1
4
5
3
8
14
2
```

SAMPLE OUTPUT:

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27
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