# Problem 1 – Arithmephile

### You will be given an input of an arbitrary amount of numbers. If a number S is a digit (0 >= S < 10), calculate the product of multiplication of the next S numbers. Find the biggest product among all the S intervals. Note that the intervals may overlap – when you’ve encountered a number that fits the requirement and have calculated the product, the next valid number S may be within this interval.

### Input

* The input data is passed to the first JavaScript function found in your code as an **array of strings** that need to be parsed as numbers.

### Output

* A number, the biggest multiplication should be printed on the console.

### Constraints

* The input may contain up to **10,000** lines (elements)
* The numbers in the input are in range **[-1..10,000] inclusive**
* The numbers denoting ranges (**S**) are in range **[0..9] inclusive**
* Allowed time/memory: 100ms/16MB

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 10  20  2  30  44  3  56  20  24 | 26880 |

|  |  |
| --- | --- |
| **Input** | **Output** |
| 100  200  2  3  2  3  2  1  1 | 12 |