## Square Numbers

Read a **list of integers** and **extract all square numbers** from it and print them in **descending order**. A **square number** is an integer which is the square of any integer. For example, 1, 4, 9, 16 are square numbers.

### Examples

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| **Input** | **Output** |
| 3 **16 4** 5 6 8 **9** | 16 9 4 |
| 12 **1 9 4 16** 8 **25 49 16** | 49 25 16 16 9 4 1 |