## The Office

You will receive two lines of input:

* a list of **employees' happiness** as string of numbers separated by a single space
* a happiness improvement **factor** (single number).

Your task is to find out if the employees are generally happy in their office. You should **increase** their happiness by **multiplying** each of the employees' happiness by the factor. Then, **print** **one** of the following lines:

* If **half or more** of the employees have happiness **greater than** **or equal to the average**:

**"Score: {happy\_count}/{total\_count}. Employees are happy!"**

* Otherwise:

**"Score: {happy\_count}/{total\_count}. Employees are not happy!"**

### Example

|  |  |  |
| --- | --- | --- |
| **Input** | **Output** | **Comment** |
| 1 2 3 4 2 1  3 | Score 2/6. Employees are not happy! | After the mapping:  3 6 9 12 6 3  After the filtration:  9 12  2/6 people are happy, so the overall happiness is bad |
| 2 3 2 1 3 3  4 | Score: 3/6. Employees are happy! | Half of the people are happy, so the overall happiness is good |