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## Most frequent factor

P21281\_en

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Write a procedure

```
void factor (int n, int& f, int& q);
```

to store in `f` the most frequent factor of `n`, and store in `q` how many times it appears. If there is a tie, choose the smallest factor. For instance, if called with `n = 450 = 2^1 · 3^2 · 5^2`, the values after the call must be `f = 3` and `q = 2`.

### Precondition

`n ≥ 2`

### Observation

You only need to submit the required procedure; your main program will be ignored.

### Problem information

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