Most frequent factor   P21281_en

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 $n = 450 = 2^1 \cdot 3^2 \cdot 5^2$, the values after the call must be $f = 3$ and $q = 2$.

Precondition

$n \geq 2$

Observation

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

Problem information

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Generation : 2023-07-14 17:47:33