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(**) Calculate Euler's totient function phi(m) (improved).

Given prime_factors_mult from problem 36, we get

```
totient m = product [(p - 1) * p ^ (c - 1) | (p, c) <- prime_factors_mult m]
```

This just uses a list comprehension to build each term of the product in the formula for phi, then multiplies them all.

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