For naturals n and m, we can express the statement "n is a factor of m" formally as follows:

m: n×nat

- (a) What are the factors of 0?
- § For any natural n we have $0: n \times nat$, so all naturals are factors of 0.
- (b) What is 0 a factor of?
- § $m: 0 \times nat$ requires m to be 0, so 0 is a factor of only 0.
- (c) What are the factors of 1?
- § 1: $n \times nat$ requires n to be 1, so only 1 is a factor of 1.
- (d) What is 1 a factor of?
- § For any natural m we have $m: 1 \times nat$, so 1 is a factor of all naturals.

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