

The un-starred version `equation` add numerical tags automatically.

$$e^{i\pi} + 1 = 0. \quad (1)$$

Even if you don't add a label, the equation is still numbered.

$$f(x) = (x + 1)^2 \quad (2)$$

$$= x^2 + 2x + 1. \quad (3)$$

So you use `\notag` to disable numbering on specific lines.

$$\begin{aligned} V - E + F &= 2, \\ E &= mc^2. \end{aligned} \quad (4)$$

note that each line has a punctuation.

- (1) is Euler's identity.
- (3) is the quadratic version of binomial theorem.
- (4) is Einstein's mass-energy equivalence.

Compile twice to get numbers right.