

*Hello, TeX!*

$$\sum_{i=1}^n \sigma(i) = \sum_{i=1}^n \sum_{d|i} 1 = \sum_{i=1}^n \sum_{d=1}^n [d|i] = \sum_{d=1}^n \sum_{i=1}^n [d|i] = \sum_{d=1}^n \lfloor \frac{n}{d} \rfloor$$

$$\frac{\partial x^2 y}{\partial x} = 2xy$$