

CS243 Lab

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1 Math Symbols

1. Now, let's print some inline math symbol: β and α

2. Then, display math:

$$\begin{aligned}\phi &\equiv p \rightarrow q \\ (p \wedge q) &\vee \neg r\end{aligned}$$

3. A list of math symbols:

- (a) Greek Letters: $\alpha, \beta, \pi, \Sigma, \Omega$
- (b) connectives: $\wedge, \vee, \neg, \rightarrow, \leftrightarrow, \oplus$

2 Math formulae alignment

Equation alignment:

$$\begin{aligned}n &= \sum_{i=1}^k n_i + 1 \\ &= \sum_{i=1}^k (e_i + 1) + 1 \\ &= \sum_{i=1}^k e_i + k + 1 \\ &= e + 1.\end{aligned}$$

Another alignment:

$$n = \sum_{i=1}^k n_i + 1 \tag{1}$$

$$= \sum_{i=1}^k (e_i + 1) + 1 \tag{2}$$

$$= \sum_{i=1}^k e_i + k + 1 \tag{3}$$

$$= e + 1. \tag{4}$$