



Extensions for Additives

works but its not nice

$$\frac{A+A}{A+A \oplus B} \quad \frac{A+A}{A+A \otimes B} \quad \frac{B+B}{B+B \oplus A} \quad \frac{B+B}{B+B \otimes A}$$

$$\frac{A+A \oplus B}{A \oplus B + A \oplus B} \quad \frac{A+A \otimes B}{A \otimes B + A \otimes B} \quad \frac{A+A \oplus B}{A \oplus B + A \oplus B} \quad \frac{A+A \otimes B}{A \otimes B + A \otimes B}$$

$$\frac{0+T}{0+T} \quad \frac{0+T}{0+T} \quad \frac{T+0}{T+0}$$

Extensions for Conjunction

$$\frac{A+A}{A \otimes A} \quad \frac{B+B}{B \otimes B} \quad \frac{A \otimes B}{A \otimes B}$$

$$\frac{A+A}{A \otimes A} \quad \frac{B+B}{B \otimes B} \quad \frac{A \otimes B}{A \otimes B}$$

$$\frac{T+T}{T+T} \quad \frac{T+T}{T+T}$$

Extensions for Disjunction

$$\frac{A+A}{A \oplus A} \quad \frac{B+B}{B \oplus B} \quad \frac{A \oplus B}{A \oplus B}$$

$$\frac{A \oplus B}{A \oplus B} \quad \frac{A \oplus B}{A \oplus B}$$

$$\frac{0+T}{0+T} \quad \frac{T+0}{T+0}$$

! - Modality

!A

as many copies of A as the consumer wants (each produced separately)

! Rules (Left)

$$\frac{P, A+\Delta}{P, !A+\Delta} \quad \frac{P+\Delta}{P, !A+\Delta} \quad \frac{P, !A, A+\Delta}{P, !A+\Delta}$$