Resource-Sensitive Logics

- Resource-Sensitive Logics = Substructural Logics
  - Linear, Affine, Contractive, Non-commutative Logic
- Limit how hypothesis (variables) are used to control resources
  - Control structural rules for exchange, weakening and contraction

The Structural Rules

$$\frac{\Gamma_1, x : A, y : B, \Gamma_2 \vdash t : C}{\Gamma_1, y : B, x : A, \Gamma_2 \vdash t : C} \ \text{EX}$$