[2018/07/07] Paul Pownen (Lecture 7) Main Course beef, bun + hamburger potato, vil + fries

Deef, bun, potato, vil + burgar & fries Why not? 7 beef, oil t cfs potato, bun t potato sand. beef, bun, oil, potato + cfs & potato sand. Soup of the Day (chef's choice) torreto, cream I torreto soup D chicken roodle soup oberries, bananas + fritsold stranberries, bananas + smoothie Stranberries, bananas. + fritsold & smoothie stranberries, bananas + frit sold Main = burger & fries.

Soup = tomato D chicken

Desert = frit solad & smoothine (custoner's choice) Lunch = main & soup & desert Ingredients = beef, bun, potato, vil, tomoto, cream, Strawberries, bunanas Ingredients + Lunch Ingredients + Lunch (Mix)
Ingredients, Ingredients, + Lunch, Lunch $\frac{L'L_{,}+\nabla'\nabla_{,}}{L+\nabla}(W^{!x})$

[2018/07/07] (2) Paul Downen (Lecture 7) ingred tinch ingred tinch (Mix)
ingred, ingred t Lunch, Lunch
ingred ingred t Lunch & Lunch $(\gamma, \gamma, \gamma)^{\perp} = \gamma^{\perp} \oplus \gamma_{2}^{\perp}, \quad (\gamma, \oplus \gamma_{2})^{\perp} = \gamma^{\perp} \otimes \gamma_{2}^{\perp}$ $(\tau_1 \otimes \tau_2)^{\perp} = \tau_1^{\perp} \otimes \tau_2^{\perp} \qquad (\tau_1 \otimes \tau_2)^{+} = \tau_1^{\perp} \otimes \tau_2^{\perp}$ T = 0 01=T 1 - 1 - 1 Theorem ~= ~ I (I is an involution) Theorem (Duality) If p + A is derivable, then so is Δ^+ + Γ^+ (I means apply I to each thing in A) Trota inver $\vdash \mathcal{T}, \mathcal{T}^{\perp}$ $\vdash \mathcal{T}, \Delta \qquad \vdash \mathcal{T}^{\perp}, \Delta^{\prime}$ cut (we could add these rules & smit all the) (left rules as is sometimed done in the lift.)

[2018/07/07] Paul Pownen (Lecture 7) Some Derivations in Linear Logic $\frac{-(Td)}{7+7} \frac{(Td)}{(-0R)}$ $\frac{-(Td)}{7+7} \frac{(Td)}{(-0R)}$ 7 11 F ~ (Id) - F ~ (INV R) - F ~ (3R) - F ~ 2 - 3 ~ Lolipop 7, -0 ~2 = ~1 8 ~2 $\gamma_1 \otimes \gamma_2 = \gamma_1^{\perp} \longrightarrow \gamma_2$