- pairs (linear only)

$$\frac{\Delta;\Gamma_1 \vdash e_1 : (T_1;\Gamma_2) \quad \Delta;\Gamma_2 \vdash e_2 : (T_2;\Gamma_3)}{\Delta;\Gamma_1 \vdash (e_1,e_2) : ((T_1,T_2);\Gamma_3)}$$

$$\frac{\Delta;\Gamma_1 \vdash e_1 : ((T_1,T_2);\Gamma_2 \quad \overbrace{\Delta;\Gamma_2, x:T_1, y:T_2}^{x:T_1,\,y:T_2} \vdash e_2 : (T_3;\Gamma_3)}{\Delta;\Gamma \vdash \underline{\text{let}}\ x,y = e_1 \ \underline{\text{in}}\ e_2 : (T_3;\Gamma_3)}$$

- datatypes

$$\frac{C;T \ \text{constructor}}{\Delta;\Gamma \vdash C : (T;\Gamma)}$$

$$\frac{\Delta;\Gamma_1 \vdash e : (T;\Gamma_2) \quad \Delta \vdash T \sim D \quad C_k : U_1 \to \cdots \to U_{n_k} \to D \ \text{constructor} \quad \Delta;\Gamma_2, x_1:U_1, \ldots, x_{n_k}:U_{n_k} \vdash e_k : (T_k;E_k) \quad \Delta \vdash T_i \sim T_j}{\Delta;\Gamma_1 \vdash \underline{\text{case}}\ e\ \text{of}\ C_k\, x_1 \cdots x_{n_k} \to e_k : (T_1, lub(E_k))}$$