A New rules added to DTS

A.1 Structural rules of CMTT

$$(hyp) \frac{\Delta \ ; \ (\Gamma, x : A, \Gamma')}{x : A} \qquad \qquad \frac{u :: A[\Psi]}{\vdots \\ (ctxhyp) \frac{\sigma : \Psi}{\mathsf{clo}(u, \sigma) : A}$$

A.2 Rules for \Diamond

A.3 Rules for \square

$$\frac{\overline{\Psi}^{i}}{\Psi \text{ context}} \qquad \qquad \frac{\overline{\Psi}^{i}}{\vdots} \qquad \qquad \frac{M:A[\Psi]^{i}}{W:A[\Psi]^{i}} \qquad \qquad \frac{M:A[\Psi]A}{\vdots} \qquad \qquad \frac{M:V[\Psi]A}{[\Psi]A} \qquad \qquad \frac{N:C}{[\Psi]M: \text{type}} \qquad \qquad \frac{M:A[\Psi]A}{[\Psi]A} \qquad \qquad \frac{N:C}{[\Psi]A} \qquad \qquad \frac{N:C}{[$$

A.4 Rules for poss

$$\sigma: \Psi \text{ context} \qquad \vdots \\ M: \text{type} \qquad \qquad \sigma: \Psi \text{ boss}(\Psi): \text{type} \qquad \qquad \sigma: \Psi \text{ boss}(\Psi) \qquad \qquad \frac{M: A \text{ poss}(\sigma: \Psi)}{\langle \sigma, M \rangle: A \text{ poss}(\Psi)} \qquad \qquad \frac{M: A \text{ poss}(\sigma: \Psi)}{\text{p2}(M): A} \qquad \qquad (\sigma \in fv(M))$$