

Problem chi

$$X_I = X \setminus \{k \mid k \in I\}, \; R_{n+1} = R_0, \varphi_0, \dots, \varphi_n$$

$$\frac{\frac{R_0, \tilde{p}_6, p_2 \vdash_c p_1}{R_0, X_{\{0,3\}}, p_6, p_2 \Rightarrow p_1} \lambda_3 \quad \frac{\frac{R_1, \tilde{p}_{10}, p_1 \vdash_c p_2}{R_1, X_{\{0,5\}}, \tilde{p}_{10}, p_1 \Rightarrow p_2} \lambda_5 \quad \frac{R_2, p_3 \vdash_c p_2}{R_2, X_{\{0\}}, p_3 \Rightarrow p_2} \lambda_5 \quad \frac{R_3, p_3 \vdash_c p_1}{R_3, X_{\{1\}}, p_3 \Rightarrow p_1} \lambda_5 \quad \frac{\frac{R_4, \tilde{p}_1, p_1 \vdash_c p_3}{R_4, X_{\{2,4\}}, \tilde{p}_1, p_1 \Rightarrow p_3} \lambda_4 \quad \frac{R_5, p_2 \vdash_c p_3}{R_5, X_{\{2\}}, p_2 \Rightarrow p_3} \lambda_4 \quad \frac{R_6, X \vdash_c \tilde{g}}{R_6, X \Rightarrow \tilde{g}} \lambda_1}{\frac{R_0, X_{\{0,3\}}, p_6, p_2 \Rightarrow p_1}{R_0, X_{\{0\}}, p_3 \Rightarrow p_2} \lambda_3 \quad \frac{R_1, X_{\{0\}}, p_3 \Rightarrow p_2}{R_1, X_{\{0\}}, p_3 \Rightarrow p_2} \lambda_3 \quad \frac{R_2, X \Rightarrow \tilde{g}}{R_2, \varphi_4, X \Rightarrow \tilde{g}} \lambda_1} \lambda_0$$