$$(1) \quad \alpha: * \\ (2) \quad \beta: * \\ (3) \quad \gamma: * \\ (4) \quad x: \alpha \rightarrow (\beta \rightarrow \alpha) \rightarrow \gamma \\ (5) \quad y: \alpha \\ (6) \quad xy: (\beta \rightarrow \alpha) \rightarrow \gamma \\ \hline (7) \quad z: \beta \\ \lambda z: \beta. y: \beta \rightarrow \alpha \\ xy(\lambda z: \beta. y): \gamma \\ \lambda y: \alpha. xy(\lambda z: \beta. y): \alpha \rightarrow \gamma \\ (10) \quad \lambda y: \alpha. xy(\lambda z: \beta. y): \alpha \rightarrow \gamma \\ (11) \quad \lambda x: \alpha \rightarrow (\beta \rightarrow \alpha) \rightarrow \gamma. \lambda y: \alpha. xy(\lambda z: \beta. y): (\alpha \rightarrow (\beta \rightarrow \alpha) \rightarrow \gamma) \rightarrow \alpha \rightarrow \gamma$$