

$$\text{F-PACKAGE} \frac{r \downarrow b_1 | b_2}{\{r\} \downarrow b \mid \text{struct } b_2 \text{ end}}$$

$$\text{F-PACKAGEFUN} \frac{p \downarrow b | c}{\text{fun } (x) p \downarrow b \mid \text{fun } (x) c}$$

$$\text{F-PACKAGE} \frac{p \downarrow b | c \quad r \downarrow b_1 | b_2}{\text{package } z = p; r \downarrow \text{ method } m_z = \llbracket p \rrbracket_p; b_1 | b_2}$$

$$\text{F-EXTENDS} \frac{p \downarrow b | c \quad r \downarrow b_1 | b_2}{\text{extend } p; r \downarrow b @ b_1 \mid \text{inherit } \llbracket p \rrbracket_p; b_2}$$