$$Y_{2233} = \text{FLINE}(X_2, Y_{123}, X_3, Y_{234}, X)$$

$$Y_{2233} = \frac{Y_{123}(X_3 - X) + Y_{234}(X - X_2)}{X_3 - X_2}$$

$$= \left[\frac{Y_{12}(X_3 - X) + Y_{23}(X - X_1)}{(X_3 - X_1)(X_3 - X_2)}\right](X_3 - X)$$

$$+ \left[\frac{Y_{23}(X_4 - X) + Y_{34}(X - X_2)}{(X_3 - X_2)(X_4 - X_2)}\right](X - X_2)$$

$$Y_{2233} = Y_{12}\left[\frac{(X_3 - X)(X_3 - X)}{(X_3 - X_1)(X_3 - X_2)}\right]$$

$$+ Y_{23}\left[\frac{(X - X_1)(X_3 - X)}{(X_3 - X_1)(X_3 - X_2)} + \frac{(X_4 - X)(X - X_2)}{(X_4 - X_2)(X_3 - X_2)}\right]$$

$$+ Y_{34}\left[\frac{(X - X_2)(X - X_2)}{(X_3 - X_2)(X_4 - X_2)}\right]$$

$$Y_{2233}\Big|_{x=x_2} = Y_{12}\left[\frac{x_3-x_2}{x_3-x_1}\right] + Y_{23}\left[\frac{x_2-x_1}{x_3-x_1}\right]$$

$$Y_{2233}\Big|_{x=x_2} = \left[\frac{Y_1(x_2-x_2)+Y_2(x_2-x_1)}{x_2-x_1}\right]\left[\frac{x_3-x_2}{x_3-x_1}\right]$$

$$+ \left[\frac{Y_2(x_3-x_2)+Y_3(x_2-x_2)}{(x_3-x_2)}\right]\left[\frac{x_2-x_1}{x_3-x_1}\right]$$

$$Y_{2233}\Big|_{x=x_2} = Y_2\left[\frac{x_3-x_2}{x_3-x_1}\right] + Y_2\left[\frac{x_2-x_1}{x_3-x_1}\right]$$

$$Y_{2233}\Big|_{x=x_2} = Y_2$$