$$E(M_L, E(E(M^T, L(M^T, X_F(S^T, M^T))), L(M^L, X_F(S^S, M^L))))$$

$$L(M^T, X_F(S^T, M^T)))$$

$$\overset{w_1\ w_2\ w_3}{\begin{matrix} w_1 \\ w_2 \\ w_3 \end{matrix}\begin{pmatrix} S^T \end{pmatrix}} \times \overset{f_{T1}\ f_{T2}\ f_{T3}}{\begin{matrix} w_1 \\ w_2 \\ w_3 \end{matrix}\begin{pmatrix} M^T \end{pmatrix}} = \overset{f_{T1}\ f_{T2}\ f_{T3}}{\begin{matrix} w_1 \\ w_2 \\ w_3 \end{matrix}\begin{pmatrix} X_F(S^T, M^T) \end{pmatrix}}$$

$$\overset{f_{T1}\ f_{T2}\ f_{T3}}{\begin{matrix} w_1 \\ w_2 \\ w_3 \end{matrix}\begin{pmatrix} M^T \end{pmatrix}} + \overset{f_{T1}\ f_{T2}\ f_{T3}}{\begin{matrix} w_1 \\ w_2 \\ w_3 \end{matrix}\begin{pmatrix} X_F(S^T, M^T) \end{pmatrix}} = \overset{f_{T1}\ f_{T2}\ f_{T3}}{\begin{matrix} w_1 \\ w_2 \\ w_3 \end{matrix}\begin{pmatrix} L(M^T, X_F(S^T, M^T)) \end{pmatrix}}$$