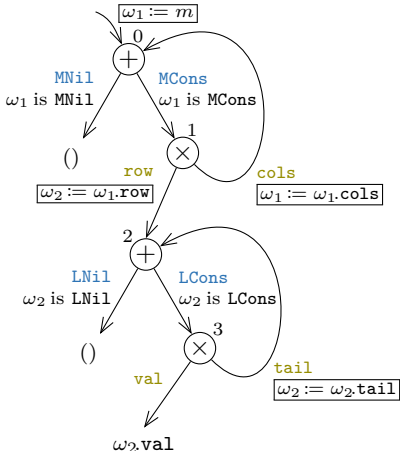
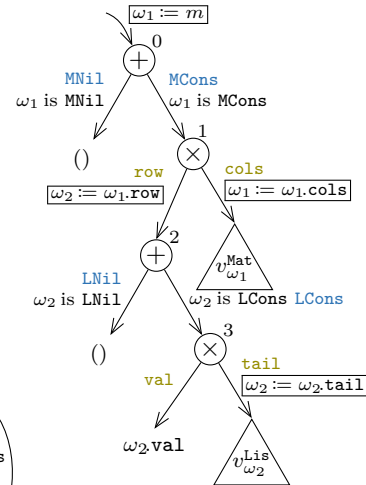
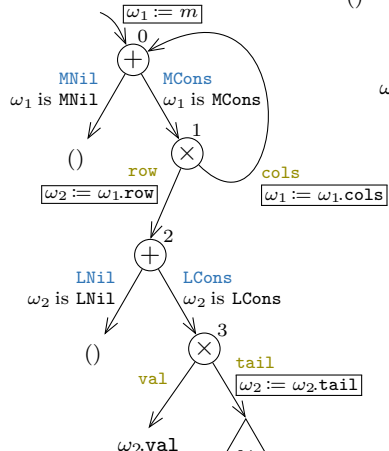


$\xRightarrow{\text{expand}} v_{\omega_2}^{Lis}$



$\xleftarrow{\text{fold}} v_{\omega_2}^{Lis}$



$\xleftarrow{\text{fold}} v_{\omega_1}^{Mat}$