

$$\begin{array}{c} \boxed{A} \end{array} \begin{array}{c} \boxed{B^T} \end{array} \approx \begin{array}{c} \boxed{H_A} \end{array} \boxed{L_A} \boxed{W_A^T} \begin{array}{c} \boxed{W_B} \end{array} \boxed{L_B^T} \boxed{H_B^T} = \begin{array}{c} \boxed{H_A} \end{array} \boxed{C} \boxed{H_B^T} = \begin{array}{c} \boxed{H_A} \end{array} \boxed{\tilde{U}_C} \boxed{S_C} \boxed{\tilde{V}_C^T} \boxed{H_B^T} = \begin{array}{c} \boxed{U_C} \end{array} \boxed{S_C} \boxed{V_C^T}$$