

$$||A - B||^2 = \boxed{S_A^T} \boxed{S_A} + \boxed{S_B^T} \boxed{S_B} - 2 \times \boxed{S_A^T} \boxed{U_A^T} \boxed{U_B} \circ \boxed{V_A^T} \boxed{V_B} \boxed{S_B}$$