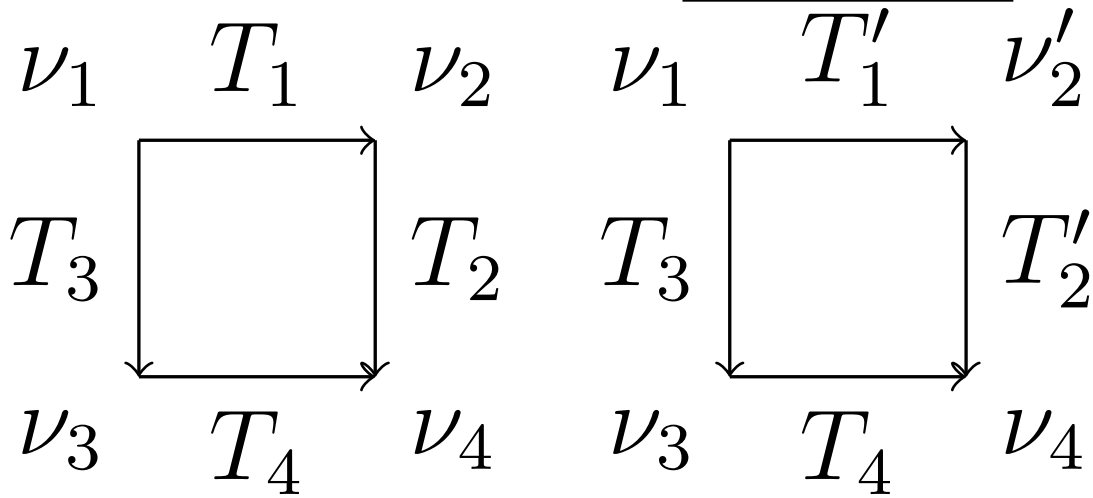
$$\sum_{\nu_3,T_3,T_4}$$



$$= \delta_{T_1,T_1'}\delta_{T_2,T_2'}$$