

Then we have a contradiction. For, $P_1, P_2, P_3, P_4, P_5, P_6, P_7$ fail and $P_1, P_2, P_3, P_4, P_6, P_7, P_8$ OK give $P_1, P_2, P_3, P_4, P_5, P_7, P_8$ fail, which is absurd.

If P_6, P_7, P_8 are collinear, then we have P_5, P_6, P_7, P_8 collinear by ①. So if not, then choose a conic τ' containing P_1, P_2, P_3, P_4, P_5 . Consider $\tau' + L_{67}, \tau' + L_{78}$ and $\tau' + L_{68} \Rightarrow$ By the independence of $P_1, P_2, P_3, P_4, P_5, P_6, P_7, P_8$ and the dependence of $P_1, P_2, P_3, P_4, P_5, P_6, P_7, P_8$,

$$\begin{aligned} \tau' + L_{67} &\ni P_8 & \tau' + L_{78} &\ni P_6 & \tau' + L_{68} &\ni P_7 \\ \Rightarrow \tau' &\ni P_6 \text{ and } \tau' &\ni P_7 \end{aligned}$$

If P_6, P_7, P_8 are collinear, then we have P_5, P_6, P_7, P_8 collinear by ①. \Rightarrow done. If not, then choose a conic τ' containing P_1, P_2, P_3, P_4, P_5 . Consider $\tau' + L_{67}, \tau' + L_{78}, \tau' + L_{68} \Rightarrow$ By the dependence of $P_1, P_2, P_3, P_4, P_5, P_6, P_7, P_8$ and the independence of $P_1, P_2, P_3, P_4, P_5, P_6, P_7, P_8$ ($\neq P_5, P_6, P_7$)
 $\Rightarrow \tau' + L_{67} \ni P_8(?)$ $\tau' + L_{78} \ni P_6$ $\tau' + L_{68} \ni P_7$
 $\Rightarrow \tau' \ni P_6, P_7 \Rightarrow$ We can not conclude anything more. !!!

Consider a conic $L_{12} + L_5 = \tau''$ s.t L_5 is a line passing P_5 but $P_6, P_7, P_8 \Rightarrow \tau'' + L_{67} \ni P_8(?)$, by the dependence of $P_1, P_2, P_3, P_4, P_5, P_6, P_7$,
 $\tau'' + L_{78} \ni P_6 \Rightarrow P_6 \notin L_{78} \Rightarrow P_6 \in \tau'' = L_{12} + L_5$
 $\Rightarrow P_6 \in L_{12}$ done. \square