

$HA_{PH}C_{aH}C_{aP}, HB_{PH}C_{bH}C_{bP}, HC_{PH}C_{cH}C_{cP}$ $UW_aW_bW_cHA_{PH}, HB_{PH}, HC_{PH}UW_a, UW_a, UW_a$

$$P\Delta ABCH$$

$$P\Delta ABCO$$

$$Q\Delta ABCO$$

$$P\Delta ABC$$

$$P,Q$$

$$Q\Delta ABCH$$

$$PQH, A_3, B_3, C_3$$