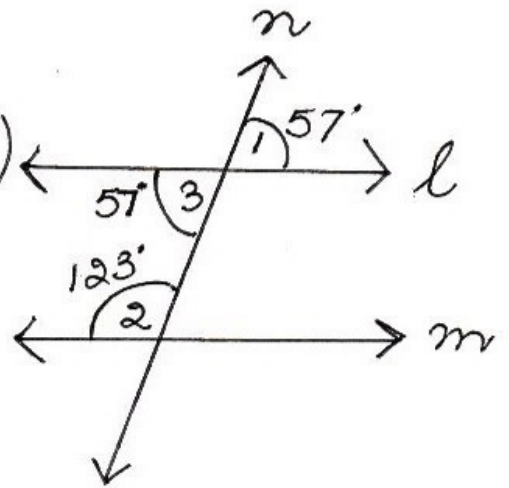


6(iii) $\angle 3 = \angle 1 = 57^\circ$ (vert. opp. \angle s)

$$\begin{aligned} \angle 2 + \angle 3 &= 123^\circ + 57^\circ \\ &= 180^\circ \end{aligned}$$

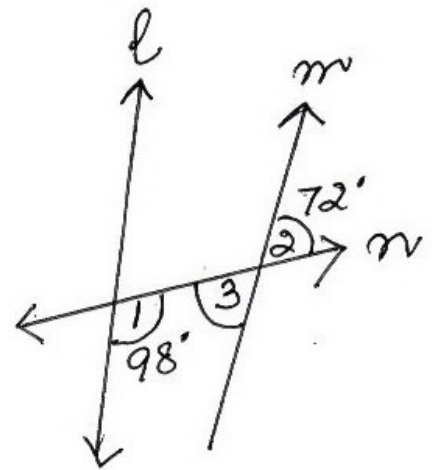


\therefore cointerior angles are supplementary

$$\therefore l \parallel m$$

6(iv) $\angle 3 = \angle 2 = 72^\circ$

$$\begin{aligned} \angle 1 + \angle 3 &= 98^\circ + 72^\circ \\ &= 170^\circ \\ &\neq 180^\circ \end{aligned}$$



\therefore cointerior angles are not supplementary

$$\therefore l \nparallel m$$