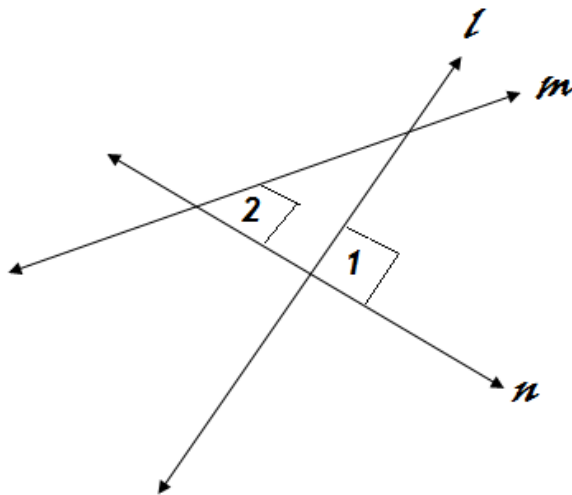


NCERT Exemplar Solutions in Mathematics class ix, Chapter 5

Exercise 5.4

NCERT Exemplar Solutions by Dev Anoop

Answer 2



Suppose a line is perpendicular to two intersecting lines.

Let $n \perp m$ and $m \perp l$

$$\angle 1 = \angle 2 = 90^\circ$$

But these are corresponding angles

$$\therefore n \parallel l$$

But this is contradiction

Since l and m intersect each other.

NCERT Exemplar Solutions in Mathematics class ix, Chapter 5

Exercise 5.4

NCERT Exemplar Solutions by Dev Anoop