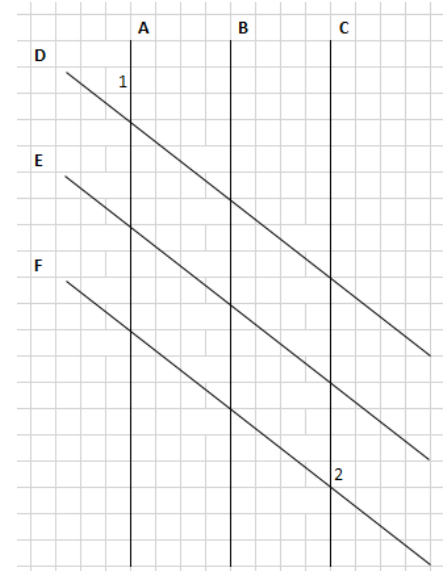


This book has permission to use the "N&K method of COLORS".

3) Question: In the figure below, lines A, B and C are parallel to each other. Lines D, E and F are also parallel to each other. Angle 1 has been defined to be 50° . What is the value of angle 2?

- A) 100°
 - B) 110°
 - C) 120°
 - D) 130°
- nw



For speed, while solving something similar, only **THINK** the words in blue; **WRITE** only the words in other **COLORS**.

- Given:
- 1) Lines A, B and C are parallel to each other
 - 2) Lines D, E and F are also parallel to each other
 - 3) Angle 1 has been defined to be 50° .

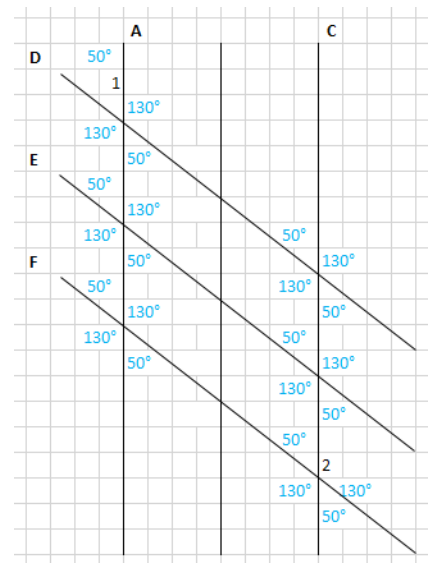
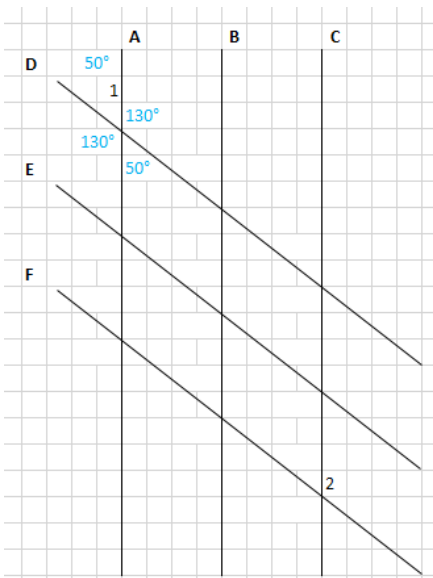
Solve: What is the value of angle 2?

Road Map of Solution:

It is know that the total of angles, around a point, on **one** side of a straight line is 180° .
 It is also know that the total of angles, around a point, on **both** side of a straight line is $180^\circ + 180^\circ = 360^\circ$.

First Step: Start inserting values of angles around the intersection of lines near angle 1.
 See figure in the **Bottom Left** corner of the page.

Second Step: Start inserting values of angles around the rest of the intersections on Line C.
 See figure in the **Bottom Right** corner of the page.



Angle 2 is equal to 130° . Answer (D)