

PROGRAM EXAMPLE

Write a program that reads values for the coefficients A, B, C, D, E, and F of the straight line equations:

$$Ax + By = C$$

$$Dx + Ey = F$$

Then determine whether the lines are parallel (their slopes are equal) or the lines intersect. If they intersect, determine whether the lines are perpendicular (the product of their slope equals -1).

Sample Run:

ENTER THE COEFFICIENTS A, B, C: 1, 2, 3

ENTER THE COEFFICIENTS D, E, F: 4, 5, 6

THE LINES ARE NOT PARALLEL OR PERP.

****END OF PROGRAM****