# PAC CHART:

|  |  |
| --- | --- |
| GIVEN DATA:   * X-Component * Y-Component | REQUIRED RESULT:   * Quadrant Number in which point lies. |
| PROCESSING DATA   * Read X and Y coordinates * See sign of Both Coordinates * If x and y are positive, then in 1st Quadrant * If x is negative and y is positive, then in 2nd Quadrant * If x and y are negative, then in 3rd Quadrant * If x is positive and y is negative, then in 4th Quadrant * Print Quadrant * End | ALTERNATIVE Solution:   * If x=0 and y=0,then point lies at origin |

# IPO CHART:

|  |  |  |
| --- | --- | --- |
| INPUT:   * X-Coordinate * Y-Coordinate | PROCESS:   * Enter x and y values. * Compare them with zero * Check signs of x and y * Decide Quadrant * Print * End | OUTPUT:   * Quadrants In which point lies or origin |