section: PC-D

A write down the Algorithm of Briesenhum Line prawing.

Step 1: 9 mitialize starting Coordinater=(M1, y1) and ending Coordinates = (N2, J2).

Step 2: Then calculate In and dy from given input.

dy = 32 - 31dn= 1/2-1/

Step 3: Calculate the decesion purrameter Pk. gt is calculated as -

PK = 2dy-dx

Step 4: Assume that the auranent point is (Mk, YK) and the ment point in (MK+1, JK+1) Find the next point depending on the value of decepion parrameters Pk.

97 depends on following two cases -

Case-1:
$$9f P_K < 0$$
 them,
 $P_{KH} = P_K + 2dy$
 $M_{KH} = X_K + 1$
 $Y_{KH} = Y_K$

Cose-2:

$$9f R > = 0 \text{ them}$$

 $P_{k+1} = P_k + 2dy - 2dx$
 $n_{k+1} = n_k + 1$
 $y_{k+1} = y_k + 1$

Step-5: Neep doing it step-03 until the end

Point is reached on number of iterrations

equals to (dn-1) times.