Namo: Kartik Bisht Cours: BCA Sec: C U.ROIINO:1121073 Subject: Computer Graphics practical mitugles sail s'mardinacard (I cute # Includo (stolio.h) # include (graphics. h) Drivon tri it gd= DETECT, gm, x0, y0, x1, y1, da, dy, P, x, y; prints (" Co-ordinates of first point: "); (" 1x powler et volus of x1:"); sconf ("1.9" 8 x0); brief CrEuter gro regno el 21: 1,7. Scarf ("1.2", 840); printy (" Co-ardinates of second point: "); in : [" In Enter do value of x 2: "]; Scarf ("1.2", 8xD; prival ("Enter to value of 42:1); scarf ("1.6", 8 41); initgraph (& gd, 2gm, "11); Karlik

dx= x1-x0; dy=41-40; x=200; 9=90; P= 2mdy-da; (1x>x) slites G= (9) F pud pixel (I, y, y); 7=9+1; P=P+ 2 dy - 2 dx; elso Eputpinel Cx1414); 6=6+549A ,1十七二欠 getch (); ; O ruter Karle Algorithm. [Brosontom's Los Algorithm]

Step 1: Start

Step 2: Declare variable 21, 22, 91, 42, 01, 11, 12, 1001, 104.

triag gribus & retaribrees on 16 112 order.

Step 4. Colculate $d\alpha = x_2 - x_1$ Colculate $dy = y_2 - y_1$ Colculate $i_1 = 2 \times dy$ Colculate $i_2 = 2 \times (dy - dx)$

calculate d= i1-dx.

Steps: Consider (21,7) as starting point and send as movimum possible value of oc

\$\ dx<0
\text{Y=Y2}
\text{Y=y2}
\text{Xend = X1}

3=31A = 31 3 = 31 3 = 31

Korak



