Name: Ashish Singh Chauhan Course! BCA VI sem 'A) Roll mo: 1121029 (27) Subject: Computer Graphecs. 1) Algorithm for DDA line drawing. Step 1: Start as integers. De dn, dy, x, y, steps as Steps: Enter 11, y1, x0, y0 values. Calculate dn = n2 - na Step 5: Calculate dy = 42 - 40 Step 6: - If ABS (dx) > ABS (dy), then Step = abs(dx) Step 7: ninc = dx step ymc = dy/ step assign n= no

Step 8: 1333333333 set pixels (x,y) Step 9: n = n+xinc y = y + yinc Set pixels (Round (x), Round (y)) Step 10: Repeat step 9 until n=n1 Step 11: End

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Program:
  Hinclude (graphic.h)
#include < Stdio.h>
  #include < conio. h>
   void main ()
       int gd = DETECT, gm, 1;
       int 20, 11, yo, y1;
       floot dn, dy, n, y, steps;
         initgraph (fgd, fgm, "C:||Tc||BGI");
         set bk color (WHITE);
          20=100, y0=200;
          x1=500, y1=300;
         dx (float) (x)
           dr = 21 - 20;
           dy = 41 - 40;
          if (dx >= dy)
                  Steps = dx
```

