computer graphics Name- Adarsh Barthwol BCA 6 A Roll No- 1121006 Amil DDA Algorithm Start Stepl -Declare x1, y1, x2, y2, dx, dy x, y ar integer variable. Stepl -Enter the value of M.y, 1 N2 1 y 2 Steps -Calculate du = 71-11 Stepy. Calculate dy = y2-y1 Steps. If ABS (dx) > ABS (dy) Step6 -Then step = abs (dn) else Ninc = dx/step yinc = dy/step Step 7 anigh n = 3 21, anigh y = Set pixel (my) 51cp8. m = x + uinc Step9. y = y + yinc Set pixle (Round (n), Round (y)) Repeat Step 9 until N= N2 51cp10 -& nd Stepli -

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Code for DDA
#include < graphics. h)
# include < conjo.h)
# include < stations
 void main ()
 ingd = DETECT, gm, i ;
  Flood n, y, dr, dy isteps;
  int x0, x1, 40, 91;
  int grap (2gd, 2gm, "1:NTC 11 BG]");
  SET biccolor (WHITE);
  NOE 100, 70=200, NI=500, y1=300;
   an= (Floot) (x1-x0);
   dy = (float) (91-y0);
   if (dn>=dy)
       Steps = dy;
     dn = dn /steps;
     dy = dy/steps;
      n: n0;
       9= 90;
      while (iz = steps)
       Potpixle (n,y, RED);
```