```
Ansto DDA line drawing Program
- Hinclude ( Graphic . h)
 Void main ()
   110d x, y, x1, y1, x2, y2, dx, dy, steps;
   Private ("Enter (X1, 41)");
    Scart ("1.df "1.f", & x1.841);
    Print + ("Euter (42,42)");
    Scanf ("", f" 1 + ", 3 x2 , $ 42);
     intigraph (Ogd & gm):
       dx = abs (x2-x1);
         dy = abs (42-41);
          1) (dx>=dy)
              Steps = dx;
        else
               Steps = dy;
         dx = dx / steps;
          dy = dy | steps;
           Y = X1;
           1=1;
            while (ic= steps)
             Putpixel (x, 4,5);
              x= x+dx;
              4 = 4+dy;
                                    delay (5000);
               i ± i+1;
                                      close, raph ();
               delay (so);
```

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Steb 1: Start Algorithm

Step 2: declare X1, y1, X2 172, dv, dy, X1y integer Variable

Step 3: Enter value of X, 142, X2142;

Step 4: Calculate dx = Y2-Y1

Steps: Calculate dy = 42-4,

Step 6: if abs(dx) > abs(dy)

then step = abs (du)

Else

Step 7: Xing = clay Step

Yive = dyletep

auisn x= x1

anisu 4=4,

Step8: Set fixel (x,4)

Step 9: X= X+ XINC

4= 4+ yinc

Set fixel (found 1x), found(y))

Step 10: Repeat Step 9 with YOYL

Step 11: End Algorithm.

Arash

Enter the value of x1 and y1 : 100 100 Enter the value of x2 and y2: 150 150