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1) DDA Line Drawing algorithm:
   #tinclude < stdio.h>
  #include < graphic.h>
    int main ()
       int you (float num)
        3 return num < 0? num - 0.5 : num + 0.5;
       ant x1=100, x2=250, y1=100, y2=250, step;
        int gd = DETECT, gm;
        float x, y, m;
         int dx = x2-x1;
         int dy = y2-y1;
          m = dy/dx;
           if (dx > dy)
              step = dx;
       initgraph (Lgd, fgm, "");
        outtextxy (x1,y1,"A");
        outtext xy (x2, y2, " 8");
        Putpixel (x1, y1, RED);
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x = x1 , y = y1;
while (Step > 0)
    if (m<1)
        x=x+1;
     3 y=y+m;
    if (m>=1)
      x=x+1/m
   putpixel (rou (x), rou(y), RED);
 return 0;
```

Algorithm for DDA . -Step 1: Steart Algorithm Step 2: Declare sc, sc, y, y, dec, dy Step 3: Enter value of x1, y1, x2, y2 step 4: calculate dx = x2-x, Step 5: calculate dy = y2-y1 Step 6: if (dx>dy), Then Step = dx Step 7: Xinc = dx/step yinc = dy/stop assign x = x1assign y = J1 step 8: set pixel (x,y) Step 9: x = x + xinc y = y+ yinc set pixels (Round (xc) Round (y))

5thp 10: Repeat Step 9 ontil $x=x_2$ Step 11: End algorithm

