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//Breseham's Line Drawing
#include<graphics.h>
#include<stdio.h>
void drawline(int x0, int y0, int x1, int y1)
    int dx, dy, p = 0, x, y, m;
    dx = x1 - x0;
dy = y1 - y0;
x = x0;
    y = y0;
    p = 2*dy - dx;
    printf("p\tX\tY\n");
    while(x < x1)
                  p = p + 2*dy - 2*dx;
                 putpixel(200+x, 200+y, YELLOW);
                  printf("\n%d\t%d", p, x, y);
                 putpixel(200+x, 200+y, YELLOW);
int main()
    int gd = DETECT, gm, x0, y0, x1, y1;
initgraph(&gd, &gm, (char*)" ");
    printf("Enter the co-ordinates of the first point:\n");
    scanf("%d%d", &x0, &y0);
    printf("Enter the co-ordinates of the second point:\n");
    scanf("%d%d", &x1, &y1);
    drawline(x0, y0, x1, y1);
    getch();
    closegraph();
```



