NAME: ALASH COURSE: ROALEA ROTTNOS 112100 7

Q DDA Algorithm

Step 1: Start

Step 2: Declare X, y, X2 y2, dx, dy, X, y as mager variable

Steps: Enter Value of X, y, X2, y2.

Step4: calculate dx = X2 - X1

Step 5: Calculate dy = 42-41

Step 6: IF ABS (dx) > ABS (dy)

Then step = abs (dx)

Elec

Step 7: Xenc = dx | Step

Yinc = dy Step

assign x= x,

Step 8: Set fixed (x,y)

Step 9: X = X + Xnc

7=7+your

Set Pixels (Round (4), Round(4))

Step 10: Regent Step 9 until X= X2

Step 11: End

```
PROCRAM include < graphics. h>
    # include < stdio. h >
     # include < conio h>
      Void main ()
   intgd = DETECT, gm, 1;
    float x, y, dx, dy, steps;
    in+ xo, x, , yo, y;
    init 3 eaby ($ 39'7 3w', ", "):
      Sablecolor (WHITE),
    Xo=100, yo = 200, X, = 500, y, = 300;
        dx= (float) (x, -x0)
        dy = (float)(y, - yo);
if (dx > = dy)
       Steps = dx;
       esse
         Steps = dy;
  dx = dx | Steps,
  dy = dy | stops;
```

X=Xo; A=20! While (iz= Steps) Putfixer (x, y, RED); X+ = dx; g + = dy; gerch(); Closegraphl);

```
NAME: AKASH LOURSE: BCA-6-A ROLL NOS 1121007
```

```
Q3 TRAFFIC LIGHT
    # Proclude < graphics h>
     # Include < conio. h>
      int main!)
     intgraphic driver = DETECT, graphic mode;
     initgraph ( & graphic driver, & graphic mode, ");
    Out text xy (50, 50 750, (reate Traffic Signal);
     int middlex, middley,
      middle x = get maxx() |2;
      middle y = getmaxy()/2;
     SetColor (WHITE);
  Set toxistyle ( DEFAULT_RONT, HORIZ_DIR, 1);
  rectangle Middlex-30, middley-80, middlex+30, middley+80,
  Chocle (middlex, middley - 50,22);
   Setfill Style (SOLID-FILL, YELLOW);
    floodfal (middlex, middley, white);
    Set Color (BLUE);
 Duttext xy [middle x-18, middley -3, "READY");
    SetColor (WHITE);
rectangle (middlex - 30, middley - 80, middlex + 30, middley + 80);
  Circle, (middlex, middley +50,22),
```

Settin Style | SUB-PILL, COM fradfill (middlex, middley; SetColor (BLUE); Outlook xy (middlex - 7, middley " " Settolor (RED); Set text style (Script - font, Hon? getchl); repuso".