```
: dinit = \left(\frac{dy}{2} - dx\right)^2 = dy - 2dx
  .. dn = -2dx
  : dNE = (dy - dx)2 = 2dy - 2dx
Now,
  void MidPointline (int x0, int y0, int x1, int y1, int alo)
   int dx = x1-x0, dy = y1-y0;
   int dinit = dy-2*dn;
   int dn = -2*dx;
   int dNE = 2*dy-2*dx;
   int x = x0, y= y0;
   WritePixel (n,y, eolon);
   while (y< y1) {
       if (dinit>=0) {
            dinit + = dN;
              y++6 2
       elsef
              dinit += dNE ;
              x4+;
      Write Pixel (x, y, colon); 7
For -> Zone-3! Here,
                  F(x) = Ax+ By+ e
```

F(P) = F(xp;yp) = Axp+Byp+e