

x += xinc, y += yinc, p += 2\*(dy - dx)

x += xinc, p += 2\*dy

p = 2\*dy – dx, iterate from i=0 to dx

Is p>0

Plot (x,y)

Is |m| ≤ 1, dx ≥ dy

Is |m| > 1, dy > dx

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i++

Input two points (x1 y1) and (x2 y2)

Calculate dx = x2 - x1  
dy = y2 - y1

xinc = (x2 > x1) ? 1 : -1 yinc = (y2 > y1) ? 1 : -1

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i++

x += xinc, y += yinc, p += 2\*(dx - dy)

y += yinc, p += 2\*dx

Is p<0

Plot (x,y)

p = 2\*dx – dy, iterate from i=0 to dy