

5 cinde s. (301° (x; xi) (x;+1) 010,0 3) Bresonham's cincle-abol incremental cincle algo D(T) = (x;+1)~+7;~-n~(POS) 29 D(s) = (x;+1) + (Y;-1) - + (reg) decision vaniable, di = D(T)+D(s) diz 0 dico -> T -) di = (x;+1) + y; ~ - p~+ (x;+1) ~ + (Y;-1)~- p~ = 2 (x;+1) + y; + (7;-1) -20~ The next decision vaniuble, d:+1 = 2(2;+1+1)+ Y:+1+1+(Y:+1-1)

$$d_{i+1} = \begin{cases} d_{i} + 4x_{i} + 6 & \text{if } d_{i} < 0 \\ d_{i} + 4(x_{i} - y_{i}) + 10 & \text{if } d_{i} \ge 0 \end{cases}$$

$$d_{1} = 2(x_{1} + 1)^{2} + y_{1}^{2} + (y_{1} - 1)^{2} - 2p^{2}$$

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$$= 2 + 2p^{2} - 2p + 1 - 2p^{2}$$

$$= 3 - 2p$$

$$while (x_{1} = y)$$