& never ham's Circle Nemhamin (incle (xxaeong 1/190) $\gamma \left((x_i, y_i) \right) = (x_{i+1}, y_{i-1}) = (x_{i+1}, y_{i-1$ Alor to dovide the son N? $J(c) = x^{2} + y^{2} - y^{2} - (1)(+ve) y_{1} > h$ $J(h) = x_{1} + y_{1}^{2} - y^{2} - (2)(-ve)$ $J(s) = x_{1}^{2} + y_{1}^{2} - y^{2} - (2)(-ve)$ Decision parameter $d_i = f(N) + af(S)$ if $d_i < 0$ f(S) > f(N) then we will relect $d_i = X_{i+1}^2 + y_i^2 - y_i^2 + X_{i+1}^2 + y_{i-1}^2 - y_i^2$ $d_i = X_{i+1}^2 + y_i^2 - y_i^2 + X_{i+1}^2 + y_{i-1}^2 - y_i^2$ = X; + 3 = (x; +1)2+ y:2 x (x; +1)2+(y; -1)2-292 $y_{i-1} = y_i - 1$ $di = 2(x_i+1)^2 + y_i^2 + (y_i-i)^2 - 2h^2 - 3$ ditt = 2 (xi+1+1)2+ yet + (yi+1-1)2-292 $=2(2x_{i}+1+1)^{2}+y_{i+1}^{2}+(y_{i+1}-1)^{2}-29^{2}$ $=2(x_{i}+2)^{2}+y_{i+1}^{2}+(y_{i+1}-1)^{2}-29^{2}-10$ $=2(x_{i}+2)^{2}+y_{i+1}^{2}+(y_{i+1}-1)^{2}-29^{2}-10$ $=2(x_{i}+2)^{2}+y_{i+1}^{2}+10^{2}+$ $= 2(x_{i} + 2)^{2} + y_{i+1}^{2} + (y_{i+1}^{2} - 2y_{i+1}^{2} + 1)^{-2}$ - [2(K:+1)2+y2+y2-2y;+1-292]

din = di+4x: +6+2y2+1-2yi+2y; -3

i) di <0 Belet point N(xi+1, yi) => yi+1 = yi - di + 4xi + 6 + 2yi - 2yi - 2yi 2 + 2yi diti = di + 4xi + 6 di+1 = di + 4xi+6+2 yi-15-2yi-1-2yi-12 Jico if di>0 Ji+1 = Ji-1 = $di + 4x; +6 + 2(y_i - i)^2 + 2(y_i - 1) - 2y_i^2 + 2y_i$ = di + 4xi + 00 10 - 4yi - d: +4(x:-yi)+10 Fritial Decision Parameter -(0, 91) di = 2(xi+i)2+y2+(yi-1)2 -2 n2 do = 3-29/ Devision Parameter 9-10 Stuation 5 dx <0 det = de + 4 (Ne-Je) +10 13 Re+1 = Ne+1 = Ne+1 = Ne+1 = Ne+1 YRH = YR - 1