



W) if NW is chosen (Dold≥0)

if N is chosen (Dold CO)

Dold = F(M) = (xp=)2+ yp2-r2

= x3-x6+2+A3-45

$$N : S \text{ chosen } (Dold(CO))$$

$$Dstart = \frac{\sqrt{2}}{4} - C$$

$$(xp: \frac{1}{2}, \frac{1}{2}p + 1)$$

$$Dnew = Dold + \left\{ \frac{2yp + 1}{2xp + 2yp + 1} (Dold(20)) \right\}$$

(2V) Summary

(1)
$$M = (\chi_p - \frac{1}{2}, y_p+1)$$

 $D = F(M) = (\chi_p - \frac{1}{2})^2 + (y_p+1)^2 - r^2$
 $D \ge 0$ choose NUW
(11) Comparts Detaut

= (112+ 312-12) + 231-11+ 2

0x= x2-x <0

(Zuagers)

$$M : (X_1 - \frac{1}{2}, y_1 + 1)$$

$$Powt : (X_1 - \frac{1}{2})^2 + (y_1 + 1)^2 - r^2 = \frac{1}{2}y_1 - \frac{1}{2}y_1 + \frac{1}{4}y_1 + \frac{1$$

if r=1, Drunt >0 ele if rez, Dource

= (xp2-xp+++yp2-r2)+(24p+1) Dnew = 'Dold + 24p+1 if Dold <0

Dnew = (xp-1)2+ lyp+U2-r2