$$\therefore d_{SE} = F(M_{SE}) - F(M)$$

$$= (x_p+2)^2 + \left(y_p - \frac{3}{2}\right)^2 - R^2 - (x_p+1)^2 - \left(y_p - \frac{1}{2}\right)^2 + R^2$$

$$= x_p^2 + 4x_p + 4 + y_p^2 - 3y_p + \frac{9}{4} - x_p^2 - 2x_p - 1 - y_p^2 + y_p - \frac{1}{4}$$

$$= 2x_p - 2y_p + 5$$

$\therefore$ dinit $= 8x_p - 4y_p + 5$

$\therefore$ $dE = 8x_p + 12$

$\therefore$ $dSE = 8x_p - 8y_p + 20$

```
void MidPointCircle (int radius, int value) {
  int xp=0;
  int yp= radius;
  int dinit = 8 * xp - 4 * yp + 5
  circle-Point (xp,yp,value);
  while (yp> xp) {
      if (dinit <0) {
                dinit = dinit + 8* xp + 12;
                  }
      else          {
                dinit= dinit + 8* 8xp - 8 * yp + 20;
        yp- ;     }
        xp++ ;
        circlePoint (xp, yp, value);
              }
}
```