

$$(\quad) = F$$

:

$$Y_r = \frac{EC_w - (EC_e)_{\min}}{(EC_e)_{\max} - (EC_e)_{\min}} \times 100$$

$$Y_r + Y_a = 100\%$$

$$\begin{aligned} (\quad / \quad) &= (EC_e)_{\min} \\ (\quad / \quad) &= (EC_e)_{\max} \\ (\quad / \quad) &= (EC_w) \\ (\%) &= Y_a \quad (\%) &= Y_r \end{aligned}$$

:

$$LR_t = \frac{EC_w}{2(EC_e)_{\max}} \times 100$$

$$EC_{dw} = 2 (EC_e)_{\max}$$

$$LR_t = \frac{L_n}{d_t} \times 100 = \frac{L_N}{D_t} \times 100$$

$$D_t = D_i + L_N$$

$$d_t = d_i + L_n$$

$$\begin{aligned} (\quad) &= L_n \quad (\%) &= LR_t \\ (\quad) &= d_i \quad (\quad) &= d_t \\ (\quad) &= D_t \quad (\quad) &= L_N \\ & &= D_i \\ (\quad / \quad) & &= (EC_{dw}) \end{aligned}$$

:

$$ET_d = ET \left[\frac{P_d}{100} + 0.15 \left(1 - \frac{P_d}{100} \right) \right]$$

$$.(\quad / \quad)$$

$$(\quad / \quad)$$

$$.(\quad / \quad)$$

$$(\quad / \quad)$$

$$.(\%)$$

$$ET_{ds} = ET_s \left[\frac{P_d}{100} + 0.15 \left(1 - \frac{P_d}{100} \right) \right]$$

$$= ET_d$$

$$= ET$$

$$= ET_{ds}$$

$$= ET_s$$

$$= P_d$$

:

$$D_i = (ET_s - M_s - R_n) \left[\frac{P_d}{100} + 0.15 \left(1 - \frac{P_d}{100} \right) \right]$$

$$(\quad / \quad)$$

$$= R_n$$

$$(\quad / \quad)$$

$$= D_i$$

$$(\quad)$$

$$= M_s$$

:

$$d_m = \frac{D_p}{100} \times \frac{P_w}{100} \times W_a \times Z \quad W_a = [(\theta_m)_{FC} - (\theta_m)_{WP}] \times \rho_d$$

() = Z () = d_m

(%) = P_w = D_p

() = $(\theta_m)_{FC}$

() = $(\theta_m)_{WP}$

:

$$F = \frac{d_i}{ET_d} \quad F_m = \frac{d_m}{ET_d}$$

() = F_m () = F

() = d_m () = d_i

: d_g

$$d_g = \frac{d_i \times Tr \times 100}{E_u} \quad LR_t \leq 10\%$$

$$d_g = \frac{d_i \times 100}{(1 - LR_t) E_u} \quad LR_t > 10\%$$

() = Tr

(%) = Eu

:

$$N_{day} = \frac{ET_{ds}}{ET_d}$$