Compare F.2 with F.8

$$C_D S = C_{D,wing} S(1 + K_{wing} C_L^2) + CD, fuse S_{fuse} \left(1 + K_{fuse} \alpha_{deg}^2\right) \quad \text{(F.2)}$$

...

$$\frac{1}{e} = (1 + \delta) + \pi AR C_{D,wing} K_{wing} + \pi C_{D,fuse} K_{fuse} \frac{(AR + 3)^2}{0.12AR} \frac{S_{fuse}}{S} \quad \text{(F.8)}$$

$$\alpha_{deg} = C_L \frac{\mathrm{d}\alpha_{deg}}{\mathrm{d}C_L}$$

Substitute into F.2

$$C_D S = C_{D,wing} S(1 + K_{wing} {C_L}^2) + CD, fuse S_{fuse} \left(1 + K_{fuse} \left(C_L \frac{\mathrm{d}\alpha_{deg}}{\mathrm{d}C_L}\right)^2\right)$$

Solve F.1 for C_L^2 and substitute into formula

$$C_D S = \left(C_{D,0} + \frac{C_L^2}{\pi e AR}\right) S \quad \text{(F.1)}$$

$$\frac{C_D S}{S} = C_{D,0} + \frac{C_L^2}{\pi e AR}$$

$$\frac{C_D S}{S} - C_{D,0} = \frac{C_L^2}{\pi e AR}$$

$$\frac{C_L^2}{\pi e AR} = \frac{C_D S}{S} - C_{D,0}$$

$$C_L^2 = \pi e AR \left(\frac{C_D S}{S} - C_{D,0}\right)$$