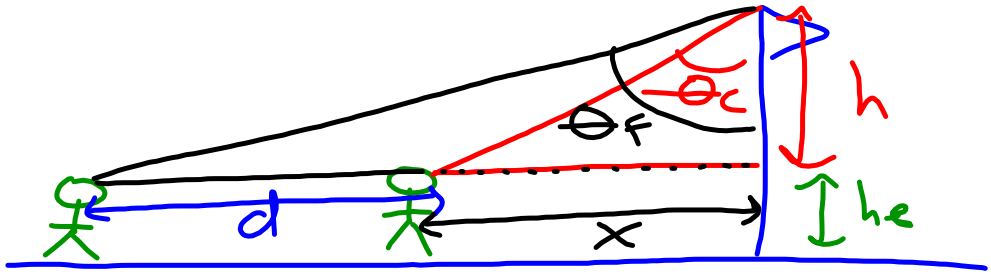

$$\tan\theta_c = \frac{x}{h} \qquad \tan\theta_f = \frac{(d+x)}{h}$$

$$x = h\tan\theta_c$$

$$h\tan\theta_f = \frac{(d + h\tan\theta_c)}{h}\,h$$

$$h\tan\theta_f = d + h\tan\theta_c$$

$$h\tan\theta_f - h\tan\theta_c = d$$

$$h(\tan\theta_f - \tan\theta_c) = d$$

$$h = \frac{d}{(\tan\theta_f - \tan\theta_c)} + h_e$$