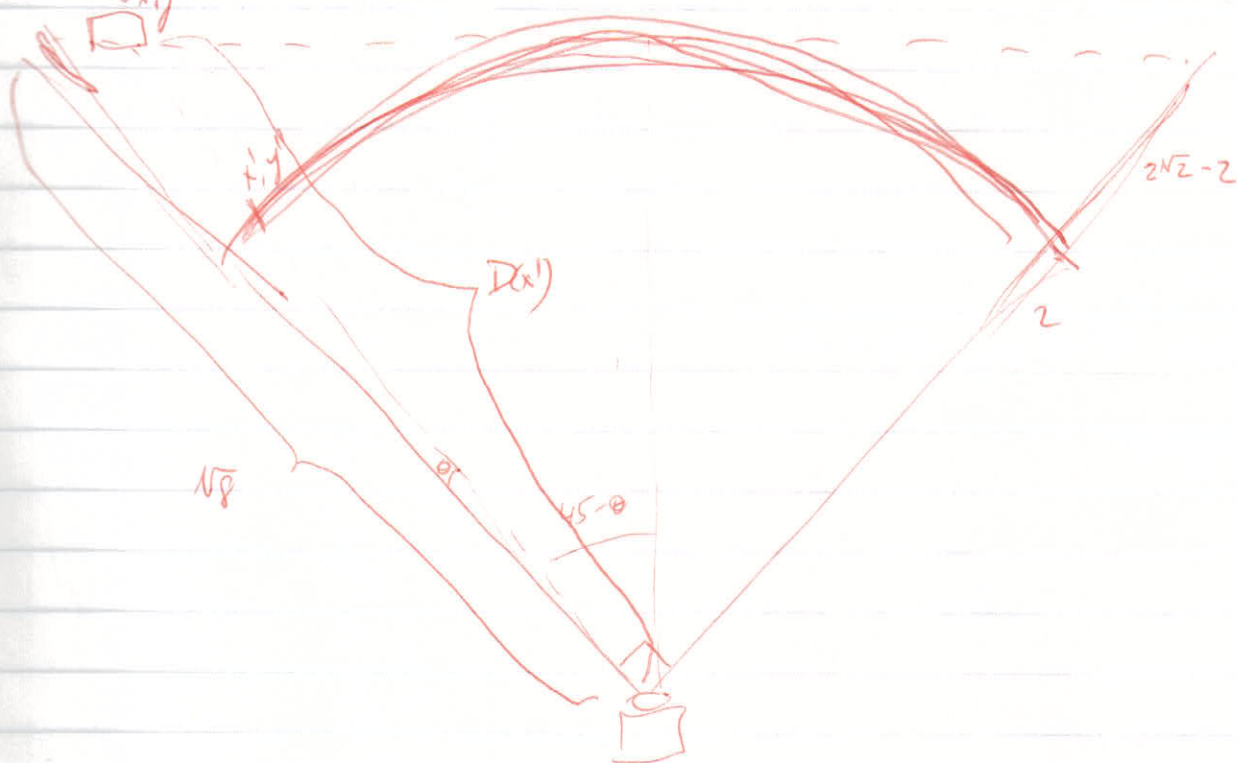
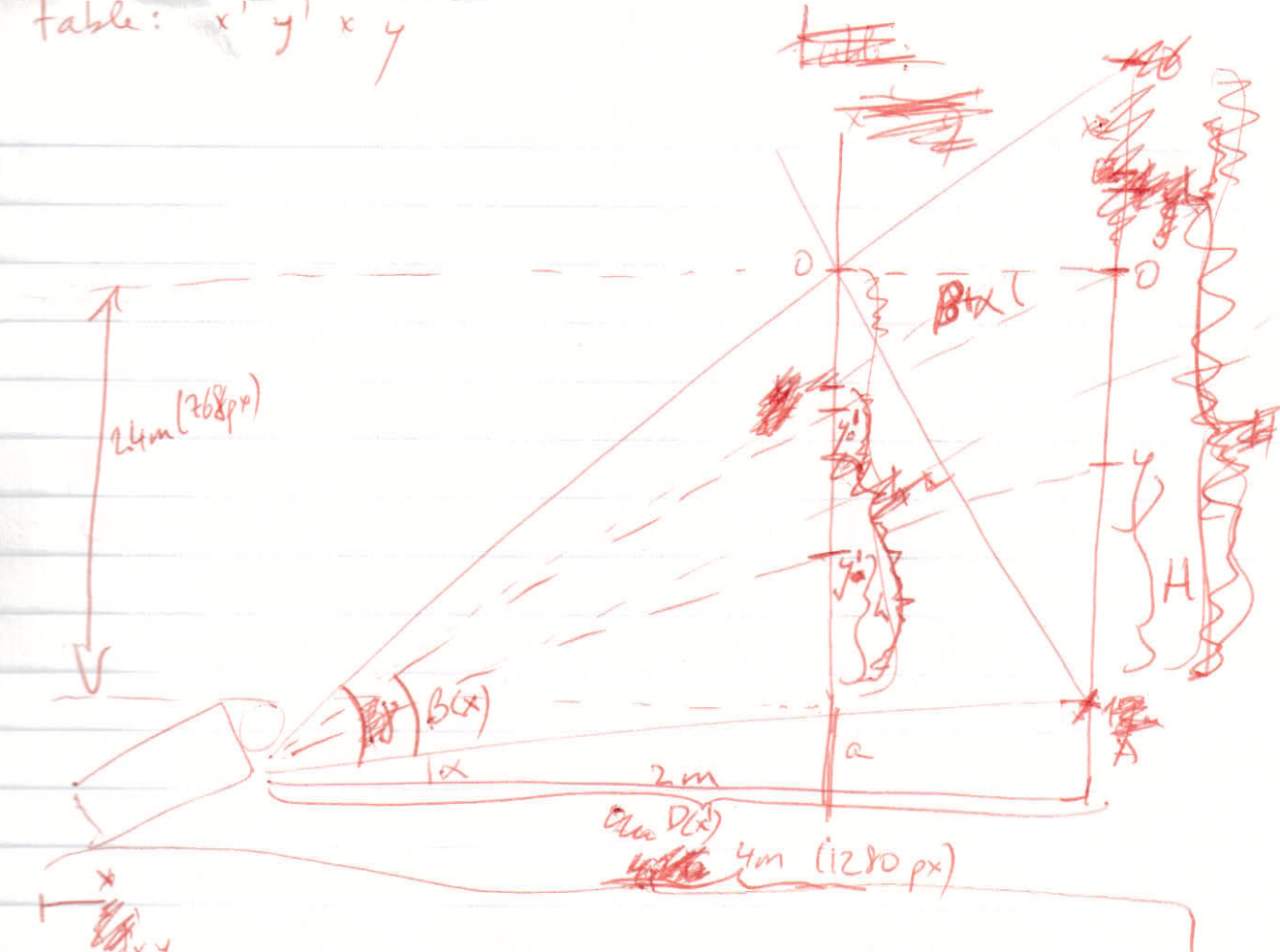


table:  $x' y' x y$



in meters:

$$N' = \frac{\theta}{360} \cdot 2\pi \cdot 2 = \frac{11\theta}{90} \Rightarrow \theta = \frac{90 \times 1}{11}$$

$$x^2 = \frac{D^2}{2} + (\sqrt{8})^2 - 2\sqrt{8}D \cdot \cos\theta$$
$$x^2 = \left( \frac{2}{\cos(45-\theta)} \right)^2 + (\sqrt{8})^2 - \frac{2\sqrt{8} \cdot 2}{\cos(45-\theta)} \cdot \cos\theta$$

$$x^2 = 8 + \frac{8}{1+2\cos\theta\sin\theta} - \frac{16}{1+\tan\theta}$$

$$x = 2 \sqrt{2 \left( 1 + \frac{1}{1+2\cos\theta\sin\theta} - \frac{2}{1+\tan\theta} \right)}$$

$$\cos(45-\theta) = \frac{2}{D}$$

$$\frac{\cos\theta + \sin\theta}{\sqrt{2}} = \frac{2}{D}$$

$$D = \frac{2\sqrt{2}}{\cos\theta + \sin\theta}$$

$$\tan \beta + \alpha = \frac{2.4 + a}{D}$$

$$\tan \delta + \alpha = \frac{2.4 + a}{2}$$

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$$\tan \beta + \alpha = \frac{y_0}{D-2}$$

$$y_0 = (D-2) \tan(\beta + \alpha)$$

$$\frac{y}{D} = \frac{y' - y_0}{2}$$



$$y = \frac{D}{2} (y' - (D-2) \tan(\beta + \alpha))$$

$$= \frac{D}{2} (y' - (D-2) \frac{(2.4 + a)}{D}) =$$

in meters:

$$y = \frac{1}{2} (Dy' - (D-2)(2.4 + a))$$