

$$J(\alpha) = P \frac{2 \sin \alpha}{g} \sqrt{\frac{gX}{\sin 2\alpha}} + Q \frac{X}{4} \tan \alpha + R \sqrt{\frac{X}{\sin 2\alpha}}$$

Kalkulus:

$$\frac{dJ(\alpha)}{d\alpha} = 0 \rightarrow \alpha \rightarrow \frac{d^2 J(\alpha)}{d\alpha^2} > 0$$

→ Searching dari α_{min} s/d α_{max}
 Untuk setiap X ←



$$V_{0min} \leq V_0 \leq V_{0max}$$