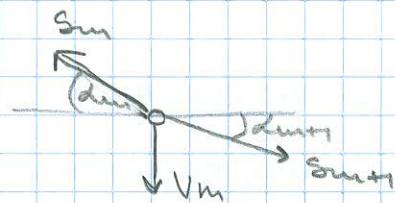


$$\operatorname{tg} \alpha_0 = \frac{1}{6} \quad H = 249,75$$

3) RADIM ZVOROVE

$$\sum H = 0 \Rightarrow S_m = \frac{H}{\cos \alpha_m}$$

$$S_{m+1} = \frac{H}{\cos \alpha_{m+1}}$$



$$\sum V = 0 \quad V_m = H(\operatorname{tg} \alpha_m - \operatorname{tg} \alpha_{m+1})$$

$$-V_m - S_{m+1} \cos \alpha_{m+1} + S_m \cos \alpha_m = 0$$

$$\operatorname{tg} \alpha_1 = \frac{18}{12} = \frac{3}{2}$$

$$\cos \alpha_1 = \frac{2}{5}$$

$$S_1 = 416,25$$

$$V_1 = 249,75$$

$$\operatorname{tg} \alpha_2 = \frac{4}{12} = \frac{1}{3}$$

$$\cos \alpha_2 = \frac{3}{\sqrt{10}}$$

$$S_2 = 263,260$$

$$V_2 = 41,625$$

$$\operatorname{tg} \alpha_3 = \frac{2}{12} = \frac{1}{6}$$

$$\cos \alpha_3 = \frac{6}{\sqrt{37}}$$

$$S_3 = 253,195$$

$$V_3 = 41,625$$

$$\operatorname{tg} \alpha_4 = 0$$

$$\cos \alpha_4 = 1$$

$$S_4 = 249,75$$

$$V_4 = 41,625$$

$$\operatorname{tg} \alpha_5 = -\frac{2}{12} = -\frac{1}{6}$$

$$\cos \alpha_5 = \frac{6}{\sqrt{37}}$$

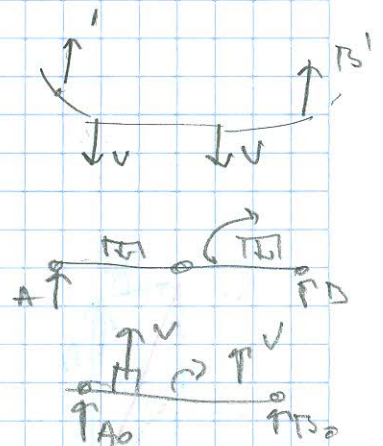
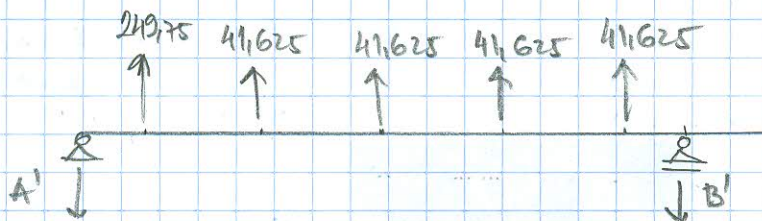
$$S_5 = 253,195$$

$$V_5 = 41,625$$

$$\operatorname{tg} \alpha_6 = -\frac{4}{12} = -\frac{1}{3}$$

$$\cos \alpha_6 = \frac{3}{\sqrt{10}}$$

$$S_6 = 263,260$$



$$\sum M_B = 0 \quad -A' \cdot 60 - 249,75 \cdot 54 - 41,625(42 + 30 + 18 + 6) = 0$$

$$A' = 291,375$$

$$\sum V = 0 \quad -B' - A' + 249,75 + 41,625 \cdot 4 = 0$$

$$B' = 124,875$$

$$A = A_0 - A' = 51,3 - 291,375 = -240,075^\circ$$

$$B = B_0 - B' = 428,6^\circ - 124,875 = 303,725^\circ$$