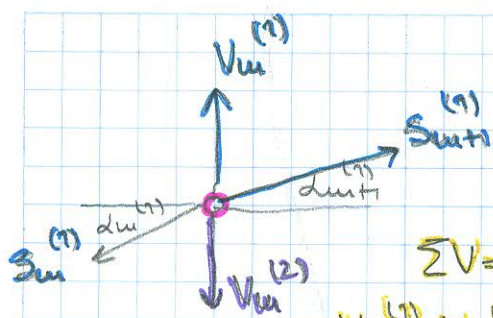


PRVO RADIM DONJI DEO $V_m^{(2)}$ I DOBIJEM $V_m^{(2)}$ VREDNOST
PA ONDA RADIM GORNJI ZVOR U KOJI UKLAZI $V_m^{(2)}$ SADA MI JE
POZNATO,



$$\sum H = 0 \quad S_m^{(1)} \cdot \cos \alpha^{(1)} = S_m^{(2)} \cos \alpha^{(2)} = H_1$$

$$S_m^{(1)} = \frac{H_1}{\cos \alpha^{(1)}}$$

$$\sum V = 0$$

$$V_m^{(1)} - V_m^{(2)} + S_m^{(1)} \sin \alpha^{(1)} - S_m^{(2)} \sin \alpha^{(2)} = 0$$

$$V_m^{(1)} = V_m^{(2)} + H_1 (\tan \alpha^{(1)} - \tan \alpha^{(2)})$$

$$\tan \alpha_1^{(2)} = \frac{3}{3} = 1 \quad \cos \alpha_1^{(2)} = \frac{1}{\sqrt{2}}$$

$$S_1^{(2)} = 228,2384$$

$$V_1^{(2)} = 80,694^\circ$$

$$\tan \alpha_2^{(2)} = \frac{3}{6} = \frac{1}{2} \quad \cos \alpha_2^{(2)} = \frac{2}{\sqrt{5}}$$

$$S_2^{(2)} = 189,4383$$

$$V_2^{(2)} = 103,749^\circ$$

$$\tan \alpha_3^{(2)} = -\frac{1}{7} \quad \cos \alpha_3^{(2)} = \frac{7}{\sqrt{50}}$$

$$S_3^{(2)} = 163,0274$$

$$V_3^{(2)} = 17,2916^\circ$$

$$\tan \alpha_4^{(2)} = -\frac{1}{4} \quad \cos \alpha_4^{(2)} = \frac{4}{\sqrt{17}}$$

$$S_4^{(2)} = 166,3559$$

$$V_4^{(2)} = 60,52083^\circ$$

$$\tan \alpha_5^{(2)} = -\frac{2,5}{4} = -\frac{5}{8} \quad \cos \alpha_5^{(2)} = \frac{8}{\sqrt{89}}$$

$$S_5^{(2)} = 190,3175$$

$$\tan \alpha_1^{(1)} = \frac{4}{3} \quad \cos \alpha_1^{(1)} = \frac{3}{5}$$

$$S_1^{(1)} = -418,05^\circ$$

$$V_1^{(1)} = -107,4305$$

$$\tan \alpha_2^{(1)} = \frac{3,5}{6} = \frac{7}{12} \quad \cos \alpha_2^{(1)} = \frac{12}{\sqrt{193}}$$

$$S_2^{(1)} = -290,3906$$

$$V_2^{(1)} = -42,5694$$

$$\tan \alpha_3^{(1)} = 0 \quad \cos \alpha_3^{(1)} = 1$$

$$S_3^{(1)} = -250,83^\circ$$

$$V_3^{(1)} = -76,7708$$

$$\tan \alpha_4^{(1)} = \frac{1,5}{4} = \frac{3}{8} \quad \cos \alpha_4^{(1)} = \frac{8}{\sqrt{73}}$$

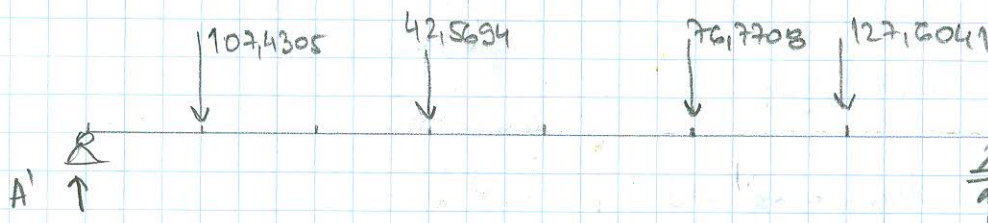
$$S_4^{(1)} = -267,890$$

$$V_4^{(1)} = -127,6041$$

$$\tan \alpha_5^{(1)} = \frac{4,5}{4} = \frac{9}{8} \quad \cos \alpha_5^{(1)} = \frac{8}{\sqrt{145}}$$

$$S_5^{(1)} = -377,5541$$

Samo $V_m^{(1)}$ mi deluje na gredu



$$\sum M_B = 0 \quad A' \cdot 24 - 107,4305 \cdot 21 - 42,5694 \cdot 15 - 76,7708 \cdot 8 - 127,6041 \cdot 4 = 0$$

$$A' = 167,4652$$

$$\sum V = 0 \quad A' + B' - 107,4305 - 42,5694 - 76,7708 - 127,6041 = 0$$

$$B' = 186,9096$$