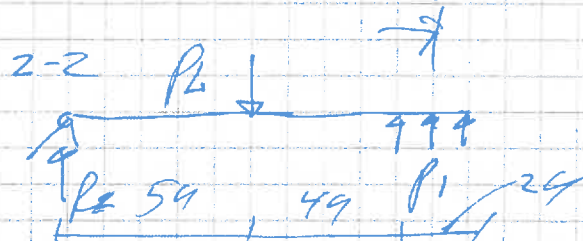
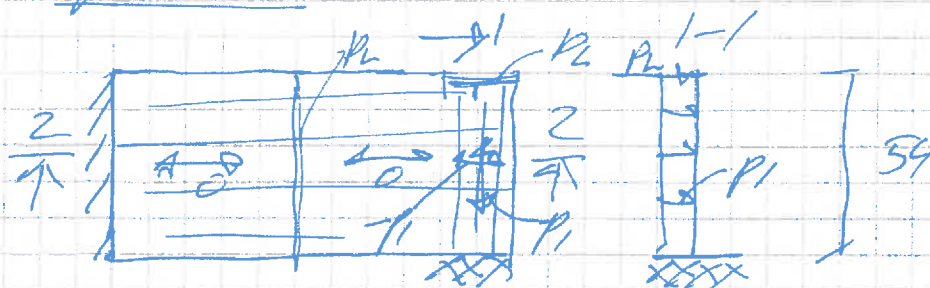


SPM 1



SPM 2-2

Moment om venstre charmek = $M_V = 0$!!

$$M_V = -P_L \cdot 59 + p_1 \cdot 29 \cdot 109 = 0 \Rightarrow$$

$$p_1 = P_L / 49$$

$$R = P_L - 2p_1 \cdot 9 = \frac{1}{2} P_L$$

M_{max} er ved linker tasken

$$= R \cdot 59 = \frac{1}{2} P_L \cdot 9 \leq M_{ax} = m_v$$

$$p_{L2}^{(-)} = \frac{2}{5} \frac{m_v}{9}$$

SPM 1-1

M_{max} er ved indspændningen og er

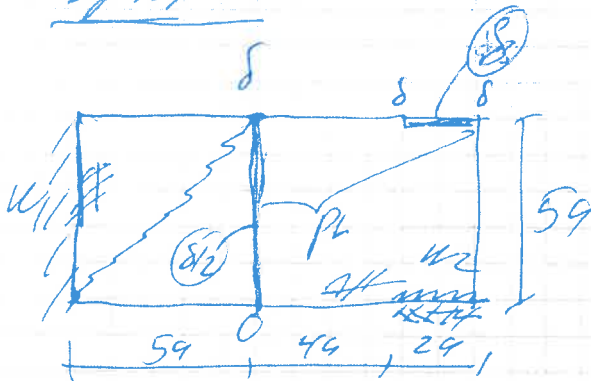
$$M_{max} = -P_L \cdot 59 - p_1 \cdot 59 \cdot 59/2 = -\frac{65}{8} P_L \cdot 9$$

$$|M_{max}| = \frac{65}{8} P_L \cdot 9 \leq M_{dj} = 3,25 m_v \Rightarrow$$

$$p_{L1}^{(-)} = \frac{2}{5} \frac{m_v}{9}$$

$$\Rightarrow p_{L1}^{(-)} = \frac{2}{5} \frac{m_v}{9}$$

Spm 2



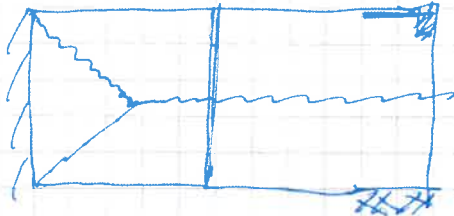
$$w_1 = w_2 = \delta/54$$

$$A_d = p_L \cdot 54 \cdot \delta/2 + p_L \cdot 24 \cdot \delta = \frac{9}{2} p_L \cdot \delta \cdot d \quad \checkmark$$

$$A_i = m_L \cdot 54 \cdot w_1 + 3,25 m_L \cdot (54 + 24) \cdot w_2 = \frac{2,30}{5,55} m_L \cdot \delta$$

$$A_i = A_d \quad \Rightarrow \quad p_L^{(F)} = \frac{0,8108}{0,5111} m_L/d$$

Spm 3



Her er moment
under midtpunktet