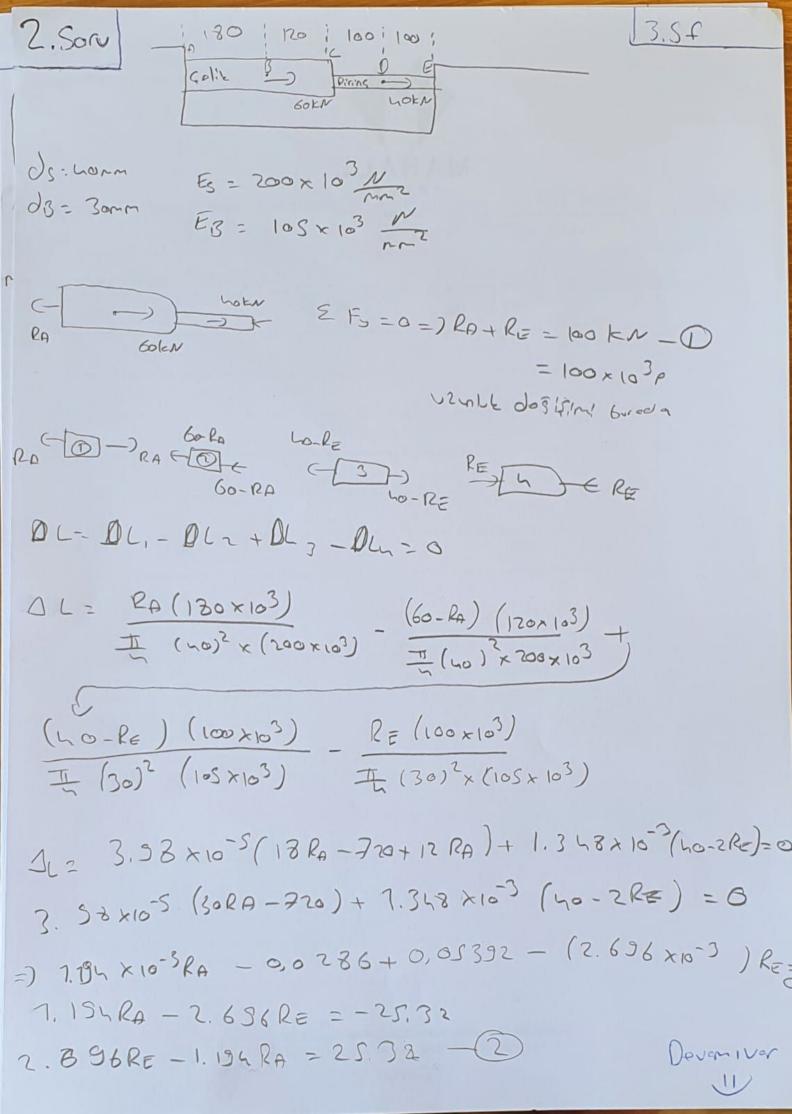
1) Soru BATUHAN OKMEN 1812709049 Mekatronik moh. T = 15 T2 = 85 J= 75mm d-somm E = 706 Pa E = 1056Pa 2 = 23×106 1/2 d=21x10-61/2 Coval 8A1 = 2D+1 = 23×106× (85-15), 300 = 0, 483 mm Spring = 20+1 AAI = I (IS) = LLIS.62 = 21×10-6× (35-15) x 250 = 0.3675mm April = I (so) = 1862.500 Stollan = 0,8505mm Sdien = 0, 8505-0, 5 = 0, 3505 mm Soions: (Pl) PR + (Pl)PINI4 0,350 S= Px 300 4 h15,67 x 70x 1000 + Px250 1562,5x105x1000 03505= P 1030311.37 + P 324250 P= 160.435 KN 6A1 = P = 160.499 × 1600 = 36.34 mPa Devam, vor Spiring= Pring 160. 493x1000 - 81.78mPn

1.501. Jevam $\begin{array}{lll}
SAI = (ADTR) - (PR) = \\
= 0.483 - \left\{\frac{160.493 \times 1000 \times 300}{4415.62 \times 70 \times 1000}\right\} = 0.483 - 0.155 \\
= 0.327 mm

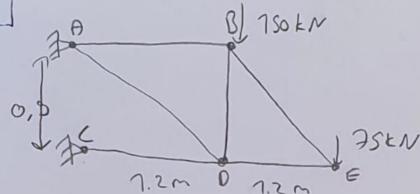
Spining = (ADTR) - (PR) =$

 $= 0.3675 - \left\{ \frac{160,499 \times 1000 \times 250}{1962.5 \times 105 \times 1000} \right\} = 0.3675 - 0.1347$



2. Soru devans

5.Sf



$$\frac{\sqrt{3}\epsilon}{2}$$

$$0 = + n^{-1} \left(\frac{0.5}{1.2}\right)$$

kuvvet

$$\frac{\int dS}{AE} = \frac{\int L}{IL} = \frac{100 \times 10^{3} \times 1.2}{IL \times 25^{2} \times 200 \times 10^{3}} = 1.222 \text{ mm}$$

$$\frac{\int SC}{IL} = \frac{125 \times 10^{3} \times 1.5 \times 10^{3}}{IL \times 25^{2} \times 200 \times 10^{3}} = 1.909 \text{ rm}$$