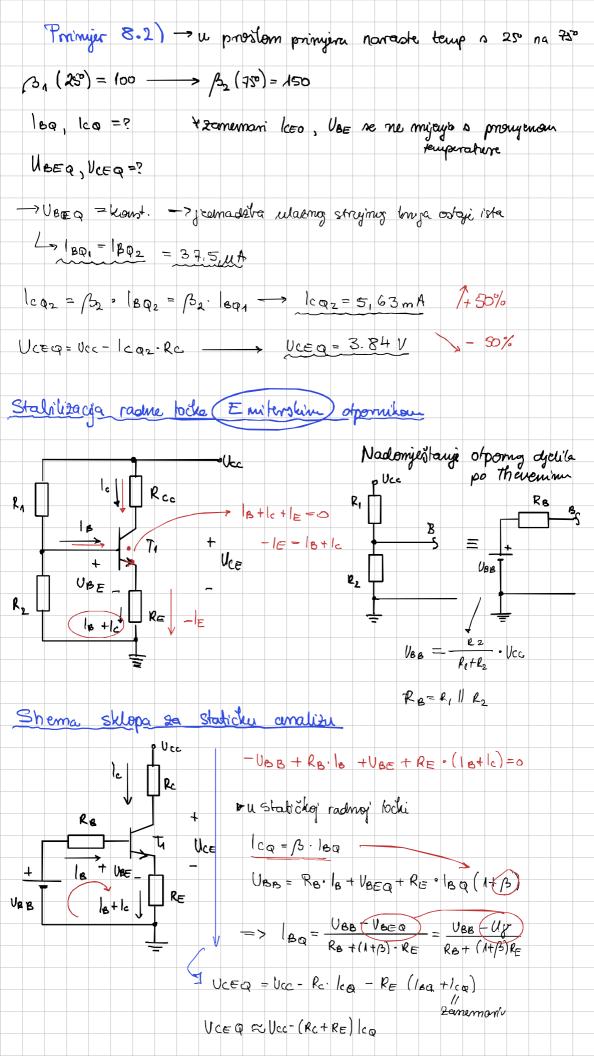
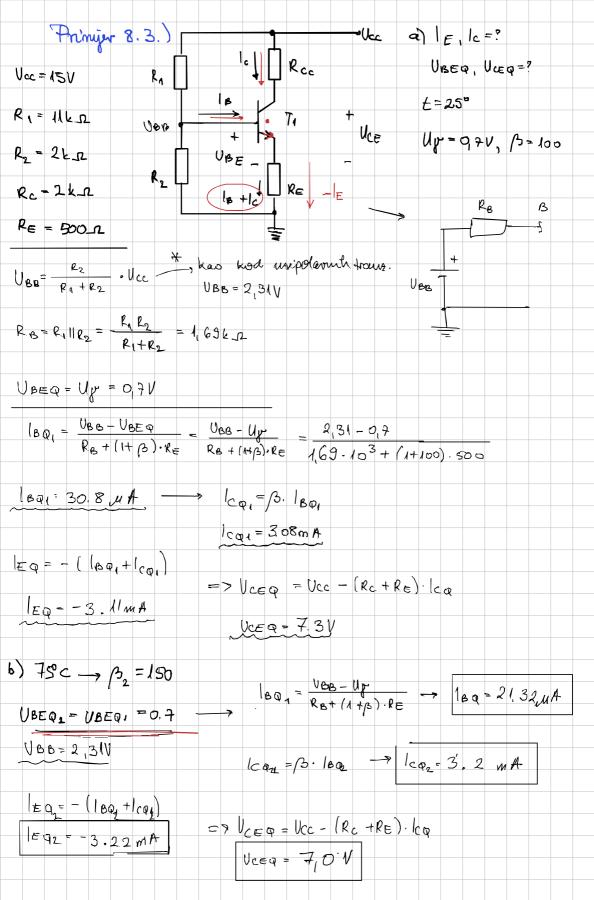


Paja čanja graficho scitage: A= Uiz - Uizm sincot = -Uizm - = -1.88 8103 = -285 - nagib knivulji Trapanko amalitichi i 2 rod: Av = duiz o - RT Is exp (um) & - RT · ka = -gm RT

UT = -gm RT nagib kninge strymo pojačcuji: $A_{I} = \frac{di^{2}}{dih} \Big|_{Q} = \frac{di^{c}}{dih} \Big|_{Q} = -h e$ $\rightarrow h e \approx 100 \rightarrow A_{I} \approx -100$ Podesavanji radne todse Vlasni strymi brzg: ruen Strymi brog:

- Ucc + Re. 180 + UBE Q = 0 Ly Vec - VEEQ - Re. 180 -> IBQ = UCC - UBEQ RB UBEQ & Up (napor hogene) 12 lasni strojni kny -Vcc + Rc. lc + Vc= = 0 100 2 B. 100 Normalno aktimo područje VCEQ = Ucc-Rc.lc VCEQ>UBEQ Shama ova iznad Principo 8. 1.) Pe=? Vc=q= Vcc 2 normalus aktimo podrugi? Vcc = 15V L. VCEQ & VBEQ Rc = 2k-2 7.5 V > 0.7 V W NAP Up = 0,7V 4- WEQ= 7.5V B=100 RB -> Wazni shryini kruj UBEO & ly -7 UBEQ =0,9V 1c0 = Vcc - VCE0 = 15 - 7.5 1ca = 3,75 m A $lcq \approx \beta \cdot loo \rightarrow loq = \frac{lcq}{\beta} = \frac{Ucc - Ub \in q}{Rb}$ -> RB= B. VCC- UBEQ Ro= 381 k. 12 180 = 3,75×10-5A





U vjet 2a dobne stabilitercije stabicke radne sake 100 = 180. 15 = 13. UBB - VBE Q RB + (1+13). RE => onda hada je |ca neovima o /3 uz RB << (1+/3) RE LOS BE DECO 1 također 200 1 također zemenoniv 100 = UBB- VBEQ UBB > UBB & VBE + RE. Ic # 2 nacin pode awanja radne bocke jednodába izlaznog strujnog eruga - Vect Rc ilc + VCE + RF & - UEE = 0 Uce = Uce + UEE - (Rc + RE) le