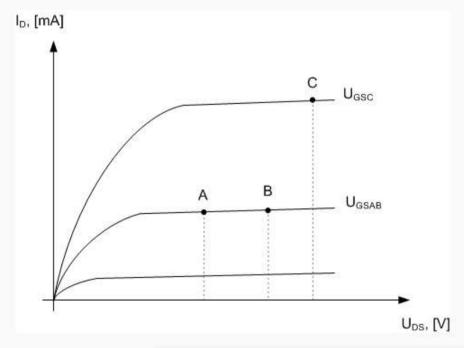
Izlazna karakteristika nekog MOSFET-a prikazana je na slici. Napon praga tranzistora iznosi *U<sub>GS0</sub>*= -0,75 V. Poznati su naponi *U<sub>GSAB</sub>*= -2 V, *U<sub>GSC</sub>*= -3,25 V, *U<sub>DSA</sub>*= -3 V, *U<sub>DSB</sub>*= -5 V i *U<sub>DSC</sub>*= -6 V te struje *I<sub>DA</sub>*= -500 μA i *I<sub>DB</sub>*= -503 μA. Odrediti struju i strminu u točki C.



Odaberite jedan odgovor. ) a.

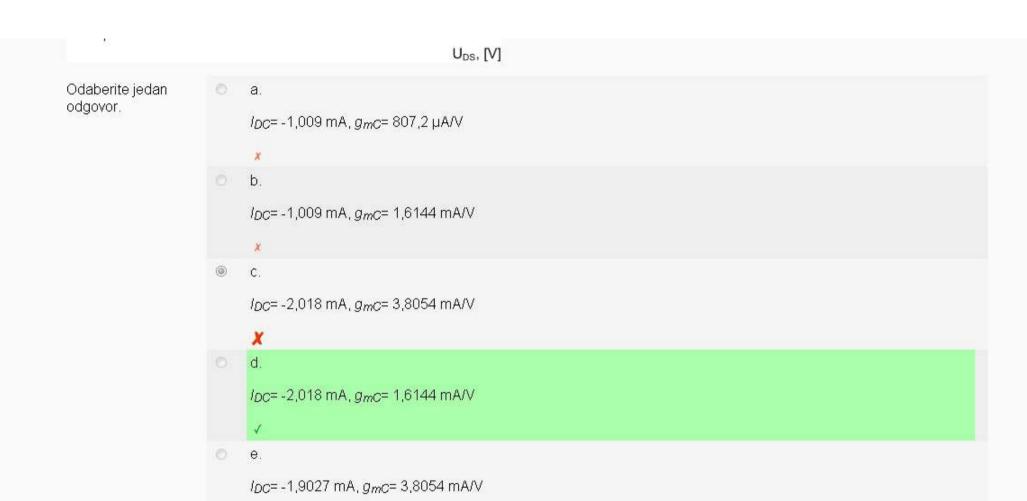
 $I_{DC}$ = -1,009 mA,  $g_{mC}$ = 807,2  $\mu$ A/V

X

b.

 $I_{DC}$ = -1,009 mA,  $g_{mC}$ = 1,6144 mA/V

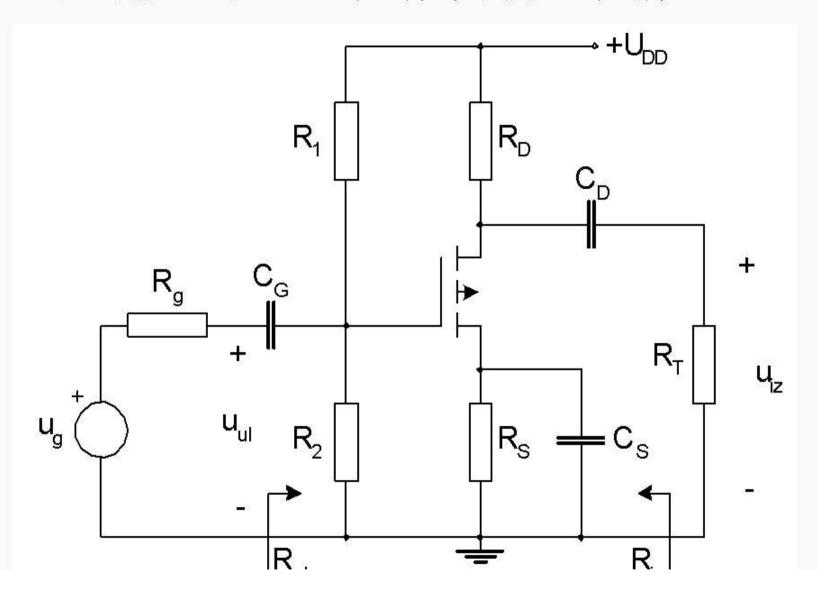
X



Netočno

Marks for this submission: 0/1.

Marks: 1 U pojačalu sa slike zadano je:  $U_{DD}$ =-18 V,  $R_g$ =500 Ω,  $R_1$ =3,9 MΩ,  $R_2$ =1,2 MΩ,  $R_D$ =3,3 kΩ,  $R_T$ =4,7 kΩ i  $R_S$ =820 Ω. Parametri p-kanalnog MOSFET-a su K=-2,1 mA/V<sup>2</sup>, $U_{GSO}$ =-1 V i  $\lambda$ =-0,004 V<sup>-1</sup>. Odrediti naponsko pojačanje  $A_V$ = $u_{iz}$ / $u_{ul}$  i izlazni otpor  $R_{iz}$  pojačala.





Točno

Marks for this submission: 1/1.