cl. 10a _ 532, I - Ret. pb [Câmpul mojuetic al curentiles elementari) (bol. 155) (2.36/122) Dous conductoare lungi si paralele, sunt situate la distonte d=0,6 m mul de cetatalt. si sunt parcurse de curenti contror I,=Io 81 respectiv I=410. Aflatii; a) Inductia mognetica Bo la mijlocul distoutei diutre ei 6) Affati in ce punche. inductia mojnetica totala este sero (Bt=0)? d=0,6m. a)-facin desend.

Bra Bra Bra Bra Bra Bra Bra de fiecax curuit.

Bra X-7. +x-70 I4 = I0 I= 410 aj O(x=4/2), Bo=? b) x=?, Bt=0 > Frecare curent(I, si I) vor determine in pet. Oke méjlocul (1/2) distoutei divitre ei cate un comp de vid. Bros Beofdet de RBD, autagonice /onientatein sensuri opuse", Bo = Brot Bro Lude 1810 = 40 II 211 (d/2) = Molo 110. $\int B_{20} = N_0 \frac{I_2}{2\pi (4/2)} = N_0 \frac{4I_0}{\pi d}, \quad \left(B_0 = N_0 \frac{3I_0}{\pi d} \right)$ -> Bo = B20-B10 = you 1/10 - you To D'Irasam limite de camp se inductite camp mojnetée determinate de fiecor dintre ai doi curenti in pet intermediar (C) situat la distanta (X) foto di I, si (d-x) foto di Iz. Cèle dans company sunt opuse/autojonice si épale ai campul total/regultout $B_c = B_{1c} + B_{2c} = 0$. unde. Bic = $\mu_0 \frac{I_1}{2\pi x}$ ', Bze = $\mu_0 \frac{I_2}{2\pi (d-x)} = \mu_0 \frac{4I_0}{2\pi (d-x)}$ aturai Be=0 => Bre-Bre=0 ec in x, aturei (Be=0) => Just 4 Is = pro ±0
2π(d-x)=pro ±0
2πx → 14x=d-x,
25x=d → (x=d/s) folside I,

