20.11.2020 d.10a (5.103) Transformarea izocoro. Legea Charles 1.- Seficitio 2. Dispot exp. 3. Desfaburorea exp. 4. Stabilitea leg. Charles (1,2,3) 5. Pepref grofico (pV, pt, pT, VT) 1). Let Un sistem, termodinamine (ST)-inchis (w, V= W/n = et) efectuearo o trong Gocoró docó (V=ct) tot trupal troust procedui (de cucalzire TA) 2). Dispos, exp. pt. stobilirea/studierea troust, Escare este unuo toral contre : , - vas ciliadric de stolo (c) - termoniotre, (T) -tub onzoura - tub manometric an Hg-mercum) -tub organization curobinet (R) -sussã de calduro (spirtieros) 3), Se cucoleeste treptat ST-aerul dry balon cu giutoral 5-sursi di coldura, motura nd la temperaturi trescotoare (t1, t2, ..., tn) caaltouille colorance de they (hy, hz, ..., tha) te - he - pe= gg hth tot. core volume (Y = al) se mentine in dreptul rependui (>>) priu ridicarea ramurii drepte to > hn > pu= 59 htt a tabalui manometrie, - Se observa o crestere ecutiva a lui, h = h(t). - Presence p = pgh de stobilitære creste correpulator/continu. 4) - Se constato exp. ca: Moriatia relativo a Ep = (PP) = 19t. prestura, (Sp), creste do, direct probortions. a temperature. (SP/PO) ~ t Pipo a ti - Se cutro du en Basef, terruic al presidenci B= To = (273,15 K, (grd-1)) aturei P-Po = pt 10-leg. Charles. proportu. bett tutrum proces (focar (m, V=d), variatia relativo a presidenza) variate do-direct proportional au Lemperaturo. (+)

Vous deduce si able forme ale Leg. Charlet. pt. procesal izacon.

2 t(c) = (T(K) - To)

2 t(c) = (T(K) - 273, UK),) $\beta = (\frac{1}{10}) = \frac{1}{273, U}$

Livianzan ec leg. Chorles, desfautand numitoral. P-Po=pt -> p-Po= Post P=Potpost -> | p=po(1+Bt) (2) Def. 2 Judran proces ifocor (m, V=ct), presiune a planete liniar Leg. charles cu tau peraturo (t) Substituiu. t=(T-To) & B=1/To en formace) a leg. Chorles: p= po(1+pt) P=Po[1++0(T-To)] = Po[1++0-16] = Po[x+1-x] Def. 3 Intrum procestrouge itocor(à) raportul (P) ramane constant cu (Horice stark a ST-sist-termodinamic prin care trece aceus Generalitare: | Po = (P1 - P2 - ... = Pu 5). Représentate a groficé a ec (leg. Charles) proc/troust. Hocare. in sist de (1) (p=po(1+pt)); [p=(Po), T(a) coordonate (p,t), (p,T), (p,Y), (Y,T) (T=To > p=po T -> p=popT=(Po)T Ap(Huz, Pa) (AN(u3)