Rez pb. Iranzitii de fazo 1). Un vas de plastic contre a moso m= 80 kg de apa, la temperatura initialo, ti=25°C. Car va f temperatura finalo de echitibra, t=? dupé introduceres mei bucoti de gheato de moso, mg=1 kg extloto initial la temperatura, tg=5°C? Sa se figureze si diograma termico. ma = 80 Kg cunosecond: capo = 419 j/kg·k, cg=2,1 Kj/kg·k, 2=334 Kj/kg ti=25°C - Rezolvoire pe boto ec calorivatrice: ((°C) mg = 1 Kg. 1) | Qc = Qp tg = -5°C. 25°C Qa= Qc<0 - Dir diograma termico a fazelo. Ca=419jlkgik reg=21 Kilkik. Q= Qa= Wille (ti-t) endi: b=(0g+Q+Q=) + topina & tale 2 2 = 334 Kj/kg andi:

Og = hig reg tt=tg prâncoloire 3). Q = Ly Di stopin gheato Laga = mg ea (t-tz) rincolzirea apri obtinute din shopi to - Rescrience. colonico (1) infocuind ou expressife correspondible ec. 21+(3), artel: 1 Qc = Qp. marcalti-0) = marchtetg) + mgralt-te) Resolvan ac. desfacand parantifele si grupand. dupo of in stong a ec si restal in dreaple. "marati-marad = mgrafte-ty)+mg 2+ mgrad + mgratt

- Trecom termenti an O indrapts si restal in storpa

marati tugregtg-mg/t = mg ra + mara 0 Dam Factor comm

ma rati-mg(/t-rgitg) = O(ma+mg)ra

=D = marcati-ug(xt-Cota) (ma+ug)ra,

solutia finala