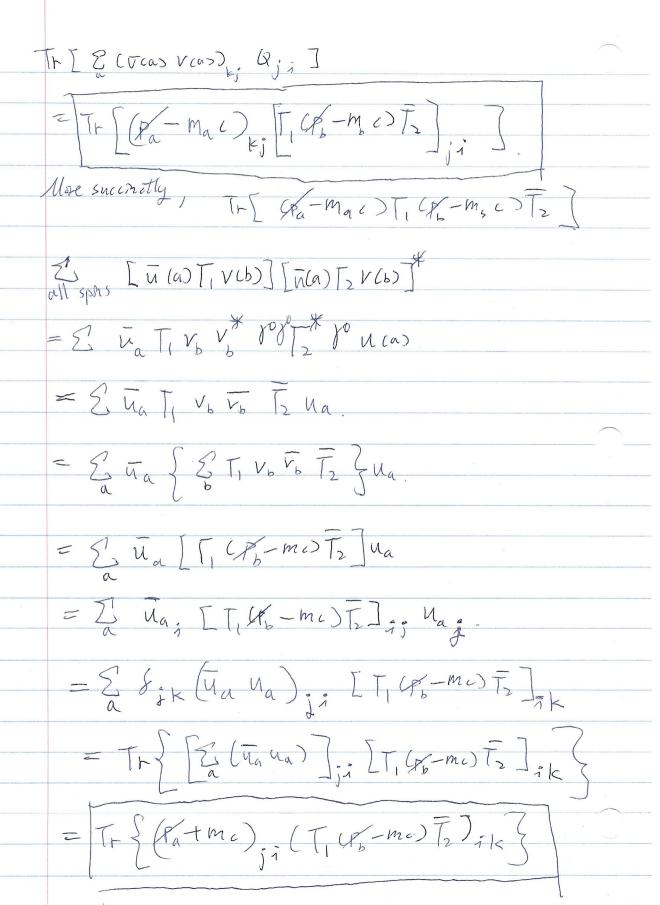
Gust Ans-

7.26. Compute Z [V(a) [Nb)][V(a) [ V(b)] E [u(a) [, VCb)][u(a) [V(b)] 2 [ V (a) [ u(b)] [ V(a) ] U(b)]\* with Casimin's trick. [V(a)] (V(b)] [V(a) ] 2 V(b) 7# = V Ca) T, V(b) V(b) Po Jo Tz Yo V (a) = V(a) [, V(b) V(b) [2 V(a). Sum over all states => EVa) { V(b) V(b) } Tz V(a) = { \(\ta\); (\(\frac{1}{2}\); \(\frac{1}{2}\); = # 2 Th [ V(a), V(a); ] Q; = ETF[[Va)Vas]k; Q: ] = Tr [ E(VCa) VCa) ) Ki Gi



all gas 9. VaTius un por Tz dova = & Va T, 46 + m c) To Va  $= \underbrace{7 \, \overline{V}_{\alpha} \, \overline$ = 2 [Va; Va; ] [T, (pb+m, c)]. = [ [Va Va ] K SK; [T, (K, +mc)]] = E Ski [vava]; k[T, G, +mc) Tz] = ITA SE EVA VA JIK ET, GK-the) To Jij = [ ] (Pa-Mac)(T, (Pb+Mo) Tz) {