

Son a clored cycle DEaport AFECD + DE do = 0 1=anc=-2007) Son Processela: DEda = Qda - Mda = 80 -0 -80F) =) Wed = Qed - DEda = 200-80-1007 50) AEint - Q-W a) the processa - 5 is on expansion (1/2 > Ma) VI >0 and LN=57 D) Thee Consider aclosed eyele abea D Ein = Q & - VU - 20) Q ab + Qbc + Qca - What Qbc = Wnet - Qab - Qca T = 1,5-d-2,5 = -9.6(5)

WARS = a (VB-VA) + 1 10 (VB-VA) = (18 199) (4am? - 10 cus) +1 (28) (4)-11)2 whe have WBC-PB(VC-UB)-BO)(1-4)=90T = 60-90+0=-30) 46) Mon = 200 t (Non - W a) (=) M - - Won - - 200) b) the gas released energy as heat (2 - 20 - - 80, 4, 19 = - 335, 2(†) C) A Eint - 276 - 100 48) For the ABUA Clared gacycle