Aufgala I.

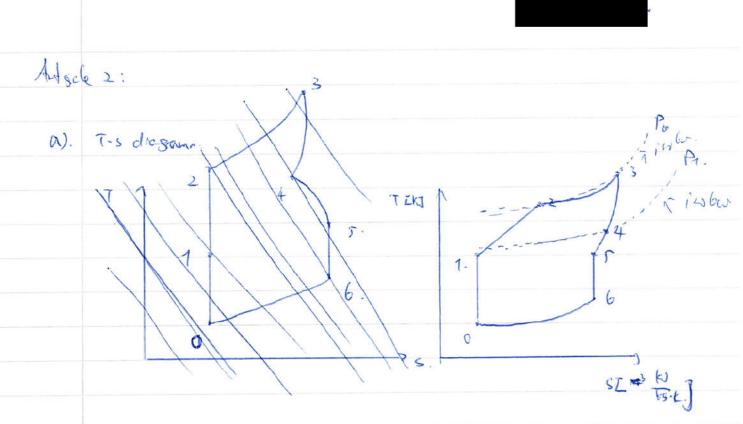
Cythan ist shofunir.

Men: way = 0.3 kg. Tein= For Tans = Tour . bede sal codade thissiglaf laboreines Wasser augenownen) => Table A-1: h(7%) = 292. 88 KJ h 1122) = 419.04 1 Energie billians : 0 = milher-hous)+EQ = in (hen-hous) + Qp & Qans => ans: 11/m (hen - hous) + adus) = (0,1 kg (282.48 = 415.04 = ) + 100 kW) = -62, 181 kW. b). Killflissighed als Ideale Missighed and knot koret cititiscit. ->- S(TE)-S(TV) = JT = city dT => . T = -6 T-ds = Frient Thous ==== sit(T2)-sit(T1)= 12 (111T) d7 Theres. Miffelfenjanter: 7 = Se Tods

sa-se. = A Cit. St. + dT & S(Tryen) S(T,kf, Aus) > St H(T) it linear = 9 ct f d1.

> == Tictein + Titton = 285.15 K.

(6). Aus Antouty (1-2: 5 (102) = 100 10008 105 m3/leg. S(\$ 100C) = 1.0435. 15 millis of OS: Spalter = 13 + sey. => men (S(10°C) - S(70°C)) -62 183 kw. -> Sery = \$0.3 ks. (7.00228.75" N3/15-7.0411.75" 19) + 62.1824 = 209.506 m2/65. C). Aus Tabelle Az: S(70, Liquel)= 0.8749 KJ S 17000, Light) = 1.3069 FT ds = s = men ( S(70, lond - STorc, lond) = Qcus = + Seq => 0.5 ks ( 0.95 ug ks/k) - 1.3065 kg/k) = + 162.182/w = Serj =) Seg = A8-28-17-7. 0.1065. KJ ke.k.



b) my mges to 16.

Loff als ideale Gas: court. 1.006 tok. 1.4.

P6=P0=0.1916ar. 1-6 reversible + adiabate => isomor. => TE P6)

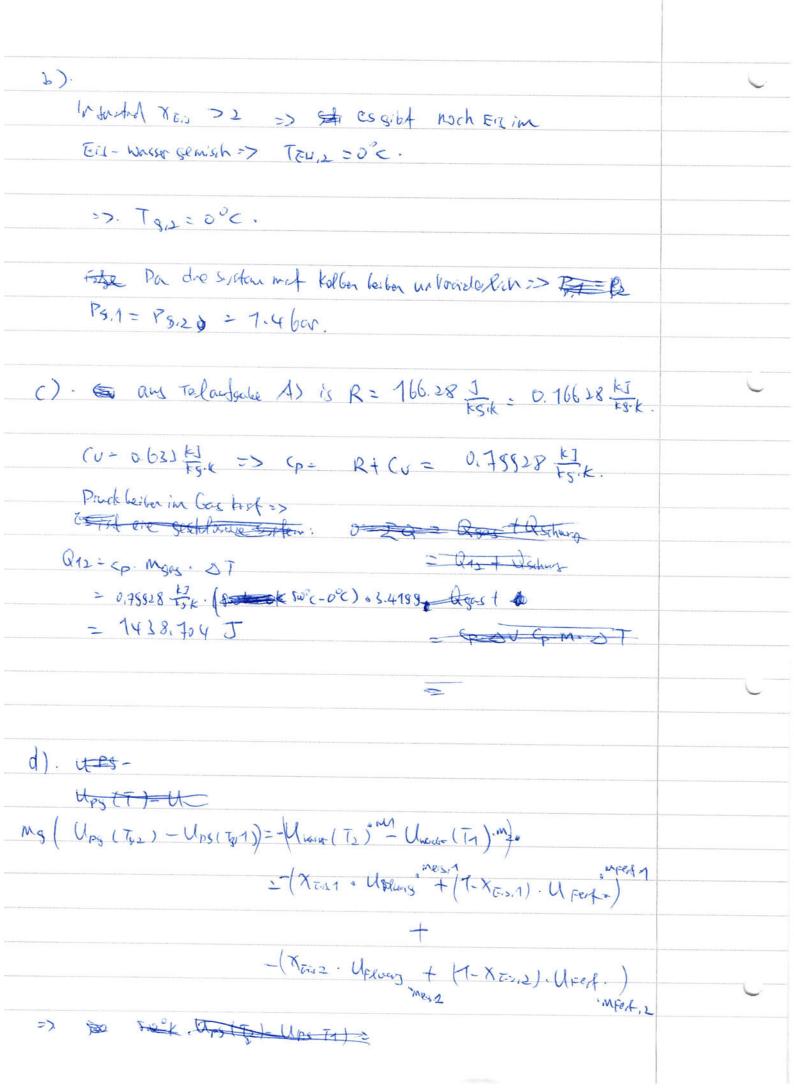
= 318,0744

little de ideele gas Cas. P.V = R.T. >> Po vo = R. To ) => m. + Po = To

P6 v6 = R. T6) => m. + Po = To da ni= p. 1 w mot m6 = ms, 16 = 1s W = PA => W = M6 M6 M9 M9 M9 Wo = 30. No 50 =>> Po= Po = 0.191600 = 2.7332. P6 = P6 0.18160- 0.2814 10 2814 10 2814 - 318074 - 2.02 T7. C) DEXITE SE

Autgake 3).

las ja in tylinder betrubbe als perfelt has, and Mg: 10/169 kind.



E putrale 3) d).

Mg (Ups (12) - Ups (Ta, 1)) = STES Triz (V dT - MECO

= Cu. DT. Mas

= 0.633 69 . (-500°K)

= 000,-1.081 KJ.

TEX

XEOST. Uthosof . Method + (1-6 New ). Upot. Mort

= 0.6 0.1kg. -0.045 15/kg + 0.4.0.1kg. -133.418.10/kg

