06 = Ti (CAO-CA,) - KICA Ti = 10 min E, (CB) + K, CA G = 7 min dcA2/dt = To CA, - 1/2 CA2 - E2 CA2 M= 0.15/min 1 CB2/16 = /2 CB1 - 1/2 CB2 + E2 CA2 12 = 0.14 min A Total volumes of both reactors are in stending state. Coff. = CA = CB1 = A CB2 = CA : JE NAIN -NAOUT - NAIONI den (Vane) = CAIIN VIN - CAPUT VOUT - KCAN VTONIC den = = (CAD - CAD) - KCAN / WIT -CBI: dNBI = NBA - NBOUT - NBJuns + Wagen of CA, = CB, = - CB, Vin + KCA, dCB = - + (CB,) + FCA CAZ: dt = NAZIN - NAZIN + NAZIN - NAZIONS

deAz VHANK = CAJIN VIN - CAZ ON VOUT - KZCAZ VHONK

| deAz = tz CAJ - tz CAZ - KZCAZ | CB2: $\frac{dNB2}{dE} = \frac{NB_1 in}{NB_2 in} - \frac{NB_2 in}{NB_2 in} + \frac{NB_2 in}{NB_2 in} - \frac{$

CAT: 0= 1/2 (0,4- CAT) - ECAT = 0.1(0.4) + 0.1 CA - KCAT () = -0.04 (. 74 Cm) CA = 0.16 CBy: 0 = -1/10 CB, - 01/8 (0.16) CB1 = 0.24 CA2:0=1/2 CA7 - 1/2 CA2 - 0.19 CA2 0 = 1/3 (0.16) - 1/3 (B2 - 0.18 CA2 CA2 (12+0.10) = 0.003 TOP2 = 0.113 CB2: 0= 1/3(0.24) - 1/3 (0(32) -1(0.14) (0.113) 0=0.08 - CB2/3 + 0.01582 CB2 = 0,283