in terms of consemption at time 1" is - ex) 1) privates at desetant 1/1100) 11 1) 1141: 24 11 17 643 - In general, the value of a given parts of 2 | 1 | 1 | 2 | 12 + 4 + 5 = 7 | 12 + 5 + 4 training from chaires fl, 12, ..., (+3 will be pue = p, c, +p2 (2 + ... + p4 G 3) 114): 144-3) [1-221 +3 4(1-24) + (44-3)1-2) = 1 6, 1 = 1 2 = ... + = 1111)7.16, 1) 1(4): (24-1) / (34+2) = 2/(3×+5) - 3(2×-1)/(3×15)? = C, + Tar (, + ... + Tiar) 7-1 (7 2) utily hacked ulary), sold to marginal childy mulke = dulda. of our generalize to N periods the value of our memory is value periods the value. 1) U(x,y): 2x+y -> MU(x)=2 2) U(x,y) = 24 => MU(x) = 24 2w,,42-14 w+3 4111 be 3) V(x,y): 11742 => MU/x) = 11/2 4) v(1,y) = (3x2.1)2 (2y-3) => Muln) = 2(3x2-1) (6x)(2y-5) PU 1 = P, W, - P. W. + ... + PT NT = W, + Tar U2 1 .. + (Mr) 7.1 WT 3) Tale total devotors to decompose changes in 4 into N, K, AA - Is we have that committeen is the 1) Y: AKN => dY: KNdA+ ANdk+ AkdN mme across time, (c, = (2 = (+=c), thin 2) 1 = xk a N 1- a = > 14 = K a Na 44 + x 4K a - 1 Na 9K+ PV = C+ THE C2 + ... 1 (141)7-1 (7 4) tod the value of N that madienters potels. = c(1+ tir + tin)7-1) 1) P 11 " " " " Y = N" , b :1 exogenses - Criven Ple: Plu: PV = PV = E(1- # + ... + (14)7-1) 2) P = Y - Y, Y = N, and 1 is erogenous 1 = W, 4 THI W2 + ... + THITI UT N= (~/ a (1-+) p) 1/(a-1) 1 - 1-1 - - - - 1 -- 1 - It interest note = 0 (1=0), there: P= -7 (W, + W, ... + W7) - Tungency undition: -) Conserve it duday: > 11 p(14,) >1: C, > c, and No (c,) b) Soir it and contine second period: 6-1 timent beints consumption to be MU(1,): B (141) MU(12) hines nort - always you twents the LRAS: er) 31 Mu(c): 1/1, thin tangent) ardthu is: if \$ (14,) <) = w (1,): (og (c,) C: CC, our tolliner = B(111/ (T2) range considition shart : 15 (30) to by lover = B(41) 7-1 B(1+1) = 1 = earn' consempten - Intersemper 1 Perdjet Continuer a) Incience of M: (mory sepply) a) Furt period : Licardian Equivaleng : (, +5, = Y, Conser at laking b) Hand prod. 1) Incitale of the Iguiliary I padical formaid to and C, = 72 13, 4 (141) can internative they government ! c) 28(: C, + 1/2 = Y, + 1/2 c) Torner of orchaps (w): Il fares all lon, save. - lunumpho Forther 1) lungerry & Coldidin 280 - P Simplify Er) MU(e)= 1/1 (1 = (4 B) (4,1 Th) (= 11 B (y 1 + Y2)

- Harimin is this decisation is much to 6

* " " " " " " 1' 1' 1 1' 1 + 1 = 0

. The piece of "consemption of time of"