



It = 8 /4 = 8 Kall-a Malthus: The only way D+ = 2K+ to increase long-run income per person is K++1 = K+ + 8 Kx L+2 - 5 K+ reduce fartily for Divide both sides by Lz gruen level of mome. to get in per-worker terms -> "Moral restraint" Ketl = Ke + 8K2L2 SKE Le Le Le Le Population growth in the Solow model Me 8 Kalial-1 She · Capital law of motion $K_{t+1} = K_t + I_t - D_t$ Kt = Kt-1 + IL-1 - Dt-1 · constant savings rate & · constant depreciation &

Kz+1 & different from 32t chapter 3 Assume population grows at rate n 1+1 K++1 . 1+0 = K++1 (1+0 Solve for Lt: n Lz = Lz+1 - Lz = /k+1 (1+n) n2++1+ = L++1 18+11(1+1) = k+ 8kx - 8kt 1(1+n) Lz = Lz+1 · Try to get ske on LHS L= = (L=+1 Ki+1 + nk+1 = k + + 8 k 2 - 8



