AVIOLOGIA O CITATON

10

V(PIIQ) = Sup Epifi - rEa(fi - Sing Edexp(xfi) - ting Edexp(xfi))

, f(x) = C /i

V(p, uq,) = sup Ep(P) - r Eq(P) - slog Eq(explaf)) - t log Eq(exp(BF))

= sup & - vx = sleg exc + leg eBC

= sup C_ra sac_tBC = sup c(1-v-sa-Bt)

Ministre union de je o let Ltog let L= 1-1288 pt Tulip « shi hi rtx5 H3t = 1 /1

Sup 7, Sup 7, 8/Apr => Sup (Epif1_rEif) -Slay E(Riplaf)) - lby E(exapple)e

7,54p C(1-r-x5-Bt) > 0x(1-r-x5-13t) =0 => V > 0

sup Ep(f)_rE(f)-Slig E(explaf))-+ligEq(exp(Bf))

(Sup Epifi - rEgifi - SEq (log(explay)) -t log (log(explish))

= sup Ep(f)-rEq(f)-SEq(af)-tEq(BF) = sup Ep(f)-(r+as+BE)Eq(f)

Q=P1 SUP (1-(Y+dS+B)) Ep(f) = SUP 0 = 0 | Ty (Px (Px)) = 0 /

المال الما على السر در على در به تونيعا فرق دارند ، مراردهي بن

→ V(PHQ)), - CP 15/1+1CQ(9/)-Sleg(Q(5/)@ +(1-Q(5/)@")
-+leg(Q(5/)@"+(1-Q(5/)@")
-+leg(Q(5/)@"+(1-Q(5/)@")
-+leg(Q(5/)@"+(1-Q(5/)@")

>-c P(S_1) + r CQ(S_1) - SQ(S_1) (e^{-\alpha c} 1) - t Q(S_1) (e^{-\beta c} 1)
= c(rQ(S_1) - P(S_1)) - (SQ(S_1) e^{-\alpha c} + t Q(S_1) e^{-\beta c})
+ SQ(S_1) + t Q(S_1)

3 := ' raisi1- P(S) + 25 G(S) e + B + G(S) e

(Y+ as + Bt) Q(s) - P(S,1) > 0

in sup sap i tiol of in wifes of the P+Q/or

$$V(P_{NY}|I(Q_{NY})) = \sup_{f(x,y)} \sum_{P_{NY}} \sum_{f(x,y)} -r \sum_{Q_{NY}} (f(x,y)) -si_{Q_{NY}} \sum_{P_{NY}} (e^{x_{NY}}))$$

$$-t_{Q_{NY}} \sum_{P_{NY}} \sum_{f(x,y)} -r \sum_{Q_{NY}} \sum_{f(x,y)} -r \sum_{Q_{NY}} \sum_{f(x,y)} -r \sum_{Q_{NY}} \sum_{f(x,y)} -r \sum_{Q_{NY}} \sum_{f(x,y)} \sum_{Q_{NY}} \sum_{f(x,y)} -r \sum_{Q_{NY}} \sum_{f(x,y)} \sum_{$$

=> V[Pm/(cm) sperior = (tx)-rE(tx)-sEq(exp(xf*1)-tEq(exp(8f*1) VI(Px Welk Nax whix) < V(Px 11 ax) -> to sol

13 ms == Ju==: 13dr V(P, w, NQ w, n) vox Na) is chi /s = in MEXMAIXNOXMAIX)=L(bx110x), were interior V(APX+0-21PX11AQX+0-A)QX) & (PMQ)+0-1) (1) = -1/py - ==

() = 1 min) P/ (1 is port - des los in 11 line as selli ini; = li)

cur + f(xy) = f(x) + f (y) => V(Pxy NGxQx DYEpxy (fixi+f'(y))-rE (fixi+f'(y)) - Slag E (exp(a(fin)+f*(y)))-tlag E (exp(B(fix)+fig)) =[Ep(f(x)) +E(f*(y))]-r[Eq(f(x))+E(f*(y))] - Slog(Earenton). EareBtig))-thog(EareBton). EareBtig) = [Ep, (f(x)) - r Eq, (f(x)) - sloy (Eq(ex f(x))) - tloy (Eq(e13f(x)))] + [Epy (f(x))-r E (f(x))-Slog (Eq(exf(y)))-tlog(Eq(exf(y)))] = V(Px11Qx) + V(Px11Qx) V Valori- 1/210 = sup Epit(x1) - (1-1/2) Eqif(x1) - 1/2 log Eqe (xxx) (8 =- 1 log(1+EQ (= xf(x)) => x =0 (nel+x) = [EIN x+1] v = sup Ep(fax) - Eq(fax) - + (Eq(fax)) - Ed(fax))

risiss: lin walphal = sup Ep(f(x)) - Eq(f(x)) - 1/2 Var(f(x)) / 0 WIPUGE SUPEP(f(x)) - Eg(f(x)) > // Y Vargifixi)

Vargifixi) UF 5 - FORMUS (X(PILQ) > 1/4 (Ep(X)) - EQ(X)) varcxino i X'(pilQ) & 1/2 (Ep(x)-EQ(x)-1/2 Var (1/x)) X (bile) & Kmcbile) (X (PIIQ) = / world) - i prin opo Oreal de 20/1

عال با ست سل اسال را مال ونعى ، /

7)