

11 = 2V - 1135 11 = 2V - 1135 V = V(S, 7) (D) 140 on (D) 2 12 = 52 12 2t

Linear? (1) fn. V. (on,t K=) kV 61/0 15 6 5=15 of the OSE (6)

(2) f_n . V_1 , $V_2 = (V_1 + V_2)$ (3) $(V_1 + V_2)$ (4) $(S_1) = (S_1) = (S_2) = (S_1) = (S_2) =$

S->0
$$C \sim 0$$
 S->0 $P \sim 0$
P = S- Ee^{r(T-t)}
P = Fe^{r(T-t)}
P(I,T)= max [t-S₋,0]

$$C \sim S$$

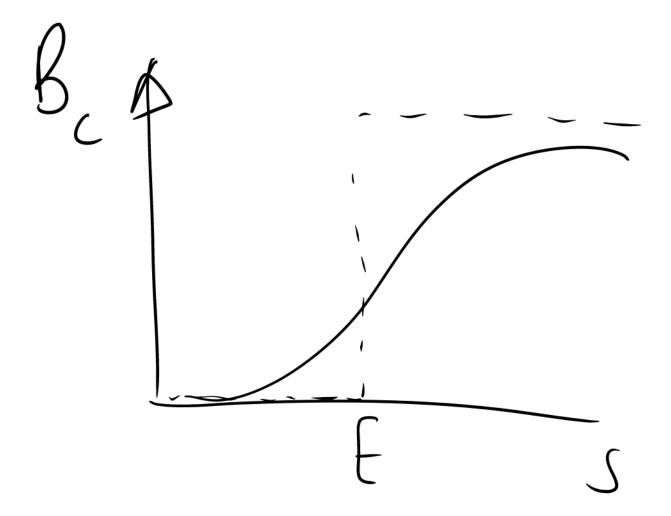
$$S \rightarrow \infty$$

$$P = E = (7-t)$$

Jolving la eg (1) transfér de suisstér ->
10 heat egér Dolre the heat egg for the ford-netal 10/2 levere the transition

Chive
$$C = S N(d_1) - E = V(T-l_1)$$

 $C - P = S - E = (T-l_1)$
 $P = C - S + E = -(T-l_1)$
 $= S N(d_1) - E = N(d_1) - S + E = -(T-l_1)$
 $= -S [I - N(d_1)] + E = [I - N(d_2)]$
 $= -S [I - N(d_1)] + E = [I - N(d_2)]$



OSi = MiSi It + Si I i i=1,2 2 Jour les of rond-mes $V(S_1,J_1,t)$ tor hedging $T = V(E, S, S) - \Delta, S, -\Delta, S$ JTT: JV - A, JS, - A, JS

dx = e dt JII = (3/ + 1 2/ 5/ 3/ + 1 6/ 5/ 3/)

$$+ \left(\frac{1}{2} - \frac{1}{2} \right) \frac{1}{2}$$

$$= \frac{1$$

$$V(s,t) = V(s,t) + \frac{\partial v}{\partial s} (s + \frac{1}{2} \frac{\partial v}{\partial s} s)$$

$$V(s+\delta s,t) - V(s,t) + \frac{\partial v}{\partial s} (s + \frac{1}{2} \frac{\partial v}{\partial s} s)$$

$$V(s+\delta s,t) - V(s,t) = \frac{\partial v}{\partial s} (s + \frac{1}{2} \frac{\partial v}{\partial s} s)$$