

 $dt\left(\frac{\partial V}{\partial t} + \frac{1}{2}\sigma's'\frac{\partial V}{\partial s'}\right) = r\left(V - S\frac{\partial V}{\partial s}\right)dt$  (2)(1) (2) 4

Perpetual American Put E-S V = V(s,t) Sut V= V(s) 1000 - 10 + (1-D) 5 dy - 1 V= 0 Ja sof of the form V= SX  $V(\Delta) = 0$   $V(S^{*}) = f - S$  Snsolh  $\int_{-\infty}^{\infty} \frac{d}{dt} + \int_{-\infty}^{\infty} \frac{d}{dt}$  $\mathcal{J}[V] + [F(J,t) = 0$ Cash flow B.J.E + Ca,L f/sW F- source for cis term losu at pollem

Cts

$$A = \int_{i=1}^{\infty} \int_{i=1}^{\infty}$$

 $A_{5} = \left(\frac{N}{11}\right) \left(\frac{N}{1}\right) \left(\frac{1}{1}\right) \left(\frac{1}{$ As- I los TI Sil  $= \frac{1}{N} \sum_{i=1}^{N} \left[ \frac{1}{N} \sum_{i=1}^{N} \frac{1}{N} \right]$   $e \times P \left[ \frac{1}{N} \sum_{i=1}^{N} \frac{1}{N} \right]$ 

2 nd order 2 phony Put ((all) Put (Put) (a | (a | ) $C_1(P_2)$ 

P(5,t)= t ((5))