

c) (3.9) h(t) = p+q F(t) [(3.6) Nt1 = Nt + p(m-Nt) + q Nt (m-Nt) I $h(t) = \frac{f(t)}{1-F(t)} \Rightarrow I \Rightarrow \frac{f(t)}{1-F(t)} = p + q F(t)$

Because & F(t) is the cpF of the vlistrib-tion of time under A perchase we get: mf(t) is the most likely byer amount at given time to Or Nt = m F(t) - Comulation seles at t Replace 2 tes in 1; Also tell counts as the next increment in time, so Nt.,-Nt m f(t) god gos the state of

Supply in T: $N_{t+1}-N_{\xi}=mf(\xi)=p(m-mf(\xi))+qf(\xi)(m-mf(\xi))/; m$ $f(\xi)=p(1-f(\xi)+qf(\xi))(1-f(\xi))/!(1-f(\xi))$ $6\neq\infty$ $\frac{f(4)}{1-F(4)} = \left(\frac{h(t)}{h(t)} = p + q F(t)\right)$