<u>(1)</u>	
	Explicit us implocit
	DUH = + TUH - XUP
	Prosent time: MH, Mp  Future time: MH, Mp = (U-NH+)2  N = constant = p/m, as hydro constant
	$\frac{E \times plicit}{M_{tit} - M_{th}} = + TM_{th} - \alpha M_{p}^{2}$ $\Delta t = + TM_{th} - \alpha M_{p}^{2}$
	$N_{H}^{\dagger} = N_{H} + \delta t \left( T N_{H} - \alpha N_{p}^{2} \right)$
	Pro: easy com: if At too big, could way overshoot equilibrium
1	Implicit
	For fully implicit, use unt & not a RHS.  Not - not $\Delta t = T N_H - \Delta N_p^2$
	$= rn_{H}^{\dagger} - \langle (n-n_{H}^{\dagger})^{2}$
	guadrate de 11th

X (NH - 2UNH + N2) - PUH + NH-UH =0 No = T/X . nr = xxt 1/2 - 1/4 (2 n+1/2- 1/v)+(1/2-1/4)=0 MH=+ = (20+0c-Nr) + = [ (2N+Ne-UV)2-4(N2-AVAA) = N+ Ne-nv + [4 \ 44 (Ne-nv) + (Ne-nv) = -4/2+4NVN#5/2 = M + Nc-Un + [Ne-Un) + (Ne-Un)2 + Nn MA 2 At >00 => equilibroum, Nr >0 glues NH= N+ = - [NNc+ 4]= Emall N: NH 3H+ 7 - 15 (1+2/10+ + 2 (2) (1) ~ N2

8mall time 8tep: NH=NH+Q(Dt). MH - MH (2N+U2-UM) + (U2-UVMH) =0 NH 2 MH