Eles:
$$\int_{1}^{1} haks$$
 $\int_{1}^{\infty} heta = \int_{1}^{1} heta$

$$=) \qquad \alpha = \frac{2}{3} + \frac{\alpha^2 \beta^2 + \alpha \beta}{(1 + \alpha \beta)^2}$$

$$=) 3\beta x^2 + (3-5\beta)x -2 = 0$$

Kun den porter Løsning for
$$x \in flloolt$$
:

 $x = \frac{5 - 3 + 7(5 p - 3)^2 + 27 p}{6 p}$
 $= \frac{5 - 3 + 7(5 p - 3)^2 + 27 p}{1 - \alpha p}$
 $= \frac{5 - 3 + 7(5 p - 3)^2 + 27 p}{6 p}$

For x_0 givet, far x_0
 $x_0 = -y x_0$
 $x_1 = x_0 + x_0^* = x_0 - y x_0 = (1 - y) x_0$
 $x_1 = x_0 + x_0^* = x_0 - y x_0 = (1 - y) x_0$
 $x_1 = -y x_1$
 $= -y (1 - y) x_0$
 $x_2 = x_1 + x_1^*$
 $= (1 - y) x_0 - y (1 - y) x_0$
 $x_3 = x_2 + x_2^*$
 $= (1 - y)^2 x_0 - y (1 - y)^2 x_0$
 $= (1 - y)^3 x_0$
 $= (1 - y)^3 x_0$

Chs:
$$\begin{cases} nahy & = 1 \\ n_{t} \in \mathbb{R} \end{cases} = (1 + x_{t} - u_{t}^{2})$$
 $\begin{cases} x_{t+1} = x_{t} + u_{t}, & t = 0, 1, 2, 3 \\ x_{0} = 0 \end{cases}$

For $t < 3$ or $t = 0$ thankformer

 $\begin{cases} x_{t} = x_{t} + u_{t}, & t = 0, 1, 2, 3 \\ x_{0} = 0 \end{cases}$

$$H'_{n} = -2u_{+} + p_{+} = 0$$

$$=) u_{+}^{*} = \frac{p_{+}}{2}, t = 0, 1, 2$$

For
$$t = 3$$
:
 $H(t, x, u, p) = 1 + x_t - n_r^2$
 $H'_{n} = -2u_t = 0 \implies n_r^* = n_3^* = 0$

=)
$$n_0^* = \frac{1}{2} \rho_0$$
, $n_1^* = \frac{1}{2} \rho_1$, $n_2^* = \frac{1}{2} \rho_2$, $n_3^* = 0$

Differens lightingen for
$$p$$
 er

 $p_{t-1} = tt_x'(t_1x_1n_1p)$
 $= \begin{cases} 1 + p_t \\ 1_1 \end{cases}$
 $t = 0, 1, 2$
 $t = 3$
 $t = 3$

 $p_0 = (+p_1 = 3)$