Se considerà procesul din figura. 3p of

a) si ce determine surgirle de transfer aférente procendui condus:

Hyu (S) | n=0

Hyu(s) | 1 = 0

b) Fisherind oritorial modulului, so se projecteze regulateral (proporitional integrator)

c) Le ne construidate at la réglaire automata (régulater +

d) Si ne Hudiege istabilitatea Mistembri de reglare automata, fototind

Horwitz 1,56

e) Folosind function de transfer in timp discret in circuit deschis

 $H_0(Z) = \frac{3Z+4}{9X^2+4Z+1}$, at se studieze stabilitater sistembre global June 1,5p

f) Calc. val. de pegin stationar constant: Was =10 - step in 172 1p

9) Tutroduce SRA in Matlal Simulat of verificati data mut

90 Wa

$$H_1 = 3$$
 $H_3 = \frac{9}{1425}$ $H_4 = \frac{1}{5.03}$ $H_6 = 0.01$

$$H_1, H_2 \rightarrow \text{neartie} =) H_{12} = \frac{41_4}{1+41_145} = \frac{1}{935} = \frac{1}{935}$$

$$\Rightarrow \text{HAN(2)} = \frac{0.32+2}{-0.02} = \frac{3.022+1}{-0.01}$$

GRR=Rr.Th

$$\Rightarrow \nabla(2) = 1 + \frac{15.2}{128'43} (H15.2) \cdot \frac{(0.002+1)(152+1)}{0.092}$$

$$\Delta$$
(s)=0

$$\begin{array}{c|cccc}
\mathcal{R} = \left\{ \begin{array}{cccc}
Q_2 & Q_0 & D \\
Q_3 & Q_1 & D \\
D & Q_2 & Q_0
\end{array} \right\}$$

deschis
$$\rightarrow \triangle(2)=1+16(2) \rightarrow \triangle(2)=\frac{9x^2+72+8}{9x^2+12+1}$$

$$\Rightarrow y_{\infty} = 0,05. \ \exists_{\infty} \Rightarrow \exists_{\infty} = \frac{y_{\infty}}{y_{\infty}} = so0.$$

$$m e^{-m \omega} - v_{\infty} - v_{\infty} - v_{\infty} = m \omega = m \omega + v_{\infty} + v_{\infty}$$

 $|| u_{\infty} = 3.0 | \omega + || u_{\infty} = 3.14$ $|| u_{\infty} = 3.0 | \omega = 3.14$ $|| u_{\infty} = 9,52$ $|| u_{\infty} = 9,52$ $|| u_{\infty} = 10,70$ $|| u_{\infty} = 10,70$