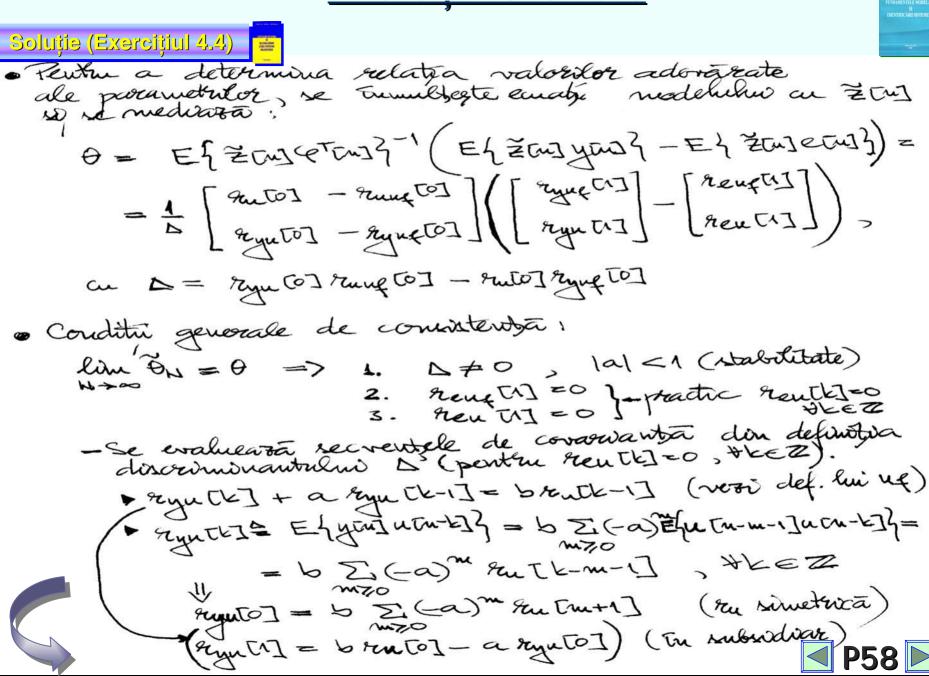
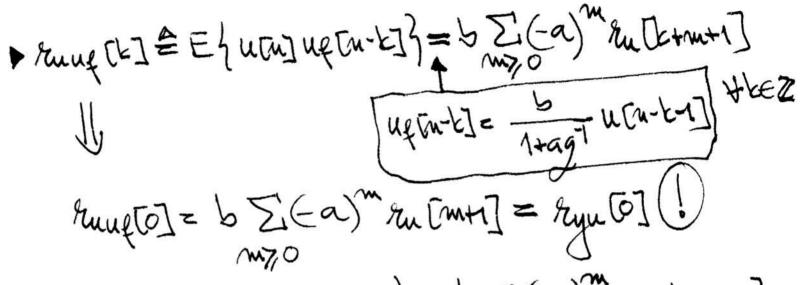
Exerciții rezolvate



S Exerciții rezolvate

Soluție (Exercițiul 4.4)



ryupto]= $b \sum (-a)^m ryu [m+1] = ryupto] = b \sum (-a)^m ryu [m+1] = ryupto] = b \sum (-a)^m ryu [m+1] = ryupto] = ryupto$

= 52 \(\sum \) \(\su \)



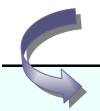
5 <u>Exerciții rezolvate</u>



- Rezulta:

- Conditre infrimenta:
$$u = z.a.(o, Tu)$$

$$= -b^{2}T_{u}^{4} \sum_{m \geq 0} a^{2m} = \frac{T_{u}^{4}b^{2}}{a^{2}-1} < 0$$



5 Exerciții rezolvate

Soluție (Exercițiul 4.4)



$$\frac{2}{1+ag^{-1}} u \overline{u} u \overline{u} = \left[\frac{bg^{-1}}{1+ag^{-1}} u \overline{u} u \overline{u} \right] = \left[\frac{bg^{-1}}{1+ag^{-1}} \frac{u \overline{u} u \overline{u}}{1+ag^{-1}} \right] = \left[\frac{bg^{-1}}{1+ag^{-1}} u \overline{u} u \overline{u} u \overline{u} \right] = \left[\frac{bg^{-1}}{1+ag^{-1}} u \overline{u} u \overline{u} u \overline{u} \right] = \left[\frac{bg^{-1}}{1+ag^{-1}} u \overline{u} u \overline{$$

Se observa ca
$$\exists$$
 o matrice $P = \begin{bmatrix} x & x \\ x & y \end{bmatrix} = a \cdot 7 \cdot 1$
 $Z[n] = Pze[n] \cdot Hatricea revulta unique autil:$

Abunci:
$$\theta = [P \sum_{n=1}^{\infty} z_{\ell} c_{n}]^{-1} [P \sum_{n=1}^{\infty} z_{\ell} c_{n}] y c_{n}] =$$

$$= [\sum_{n=1}^{\infty} z_{\ell} c_{n}] e^{-1} c_{n}]^{-1} P [\sum_{n=1}^{\infty} z_{\ell} c_{n}] y c_{n}] = \theta_{\ell}$$

$$= [\sum_{n=1}^{\infty} z_{\ell} c_{n}] e^{-1} c_{n}]^{-1} P [\sum_{n=1}^{\infty} z_{\ell} c_{n}] y c_{n}] = \theta_{\ell}$$



