7. 20 re verifie linion independente usuatoarelos visteme de vertorio $(3,0,1)^T$, $(3,0,1)^T$)

$$d)S_{4} = \{(7,5,-7)^{T}, (4,2,0)^{T}, (-3,3,-7)^{T}\}$$

$$D = \begin{vmatrix} 1 & 4 & -3 \\ 5 & 2 & 3 \\ -1 & 0 & -1 \end{vmatrix} = -2+0-12-6-0+20=0$$

$$A = \begin{pmatrix} 2 & -7 \\ 2 & -7 \end{pmatrix}$$
; $D_{\pi} = \begin{pmatrix} 2 & -7 \\ 2 & -7 \end{pmatrix} = 0$; $D_{\pi} = \begin{pmatrix} 2 & -7 \\ 5 & 3 \end{pmatrix} = 6t5 = 17 \neq 0 \Rightarrow$ Nong $A = 2$
Nong $A = 20td$ $S_6 = S_6$ l.i.

2. To re verifice does urm. interne wat visteme de generatori: b) $S_2 = \{(7, 7, 1)^T, (3, 7, 0)^T, (-7, 2, 1)^T\}$

$$D = \begin{bmatrix} 1 & 3 & -7 \\ 2 & 1 & 2 \\ 1 & 0 & 1 \end{bmatrix} = 1 - 0 + 6 + 7 - 0 - 6 = 2 \neq 0, \Rightarrow) Nong A = 3.$$

rong A=dim V => 52 l sit de generatori.