

" Să se det. toate rel. de ordine pe o mult. cu exact trei elem.

(Modulo permutale lui A : 5 rel de ord) În total: 19 rel. de ordine

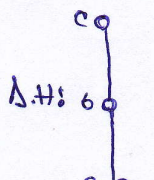
Fie $A = \{a, b, c\}$ ($|A| = 3$).

diagrame: $\begin{matrix} o & o & o \\ a & b & c \end{matrix} \Rightarrow 1 \text{ rel. de ord. (prin permutale lui } A)$



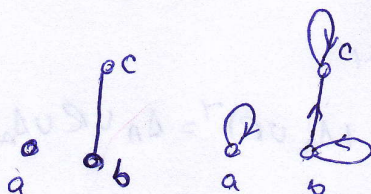
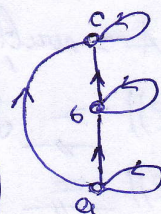
antilembul
cu 3 elem
(A, A)

$$(\forall x, y \in A) \quad x \neq y \Rightarrow \begin{cases} x \not\leq y \\ y \not\leq x \end{cases}$$

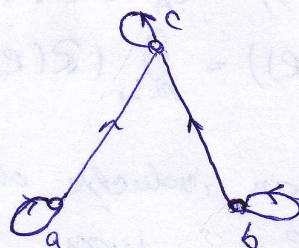
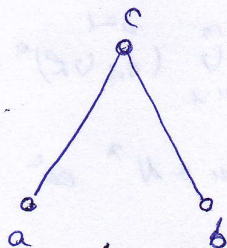
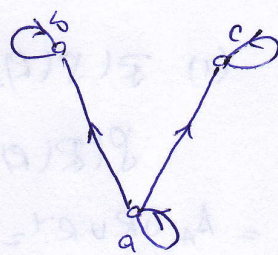
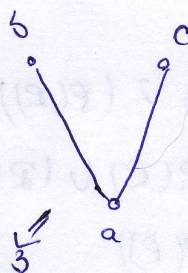


(L_3) $\Rightarrow 3! = 6$ rel de ord. (prin permutale)

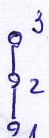
$$a < b < c$$



$$\Downarrow 3! = 6$$



$$(\{1, 2, 3\}, \leq) \rightsquigarrow$$



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