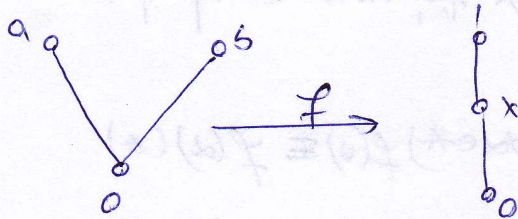


Def. $f: (A, \leq) \rightarrow (B, \leq)$ - poseturi, $f: A \rightarrow B$. f s.m. functie
izomorfa (fel cresc.) sau morfism de poseturi deci: $(\forall x, y \in A) [x \leq y \Rightarrow f(x) \leq f(y)]$



x	a	b
$f(x)$	0	x

$f \rightarrow$ inj
 $f \rightarrow$ izomorfa
 dar f^{-1} nu e izomorfa

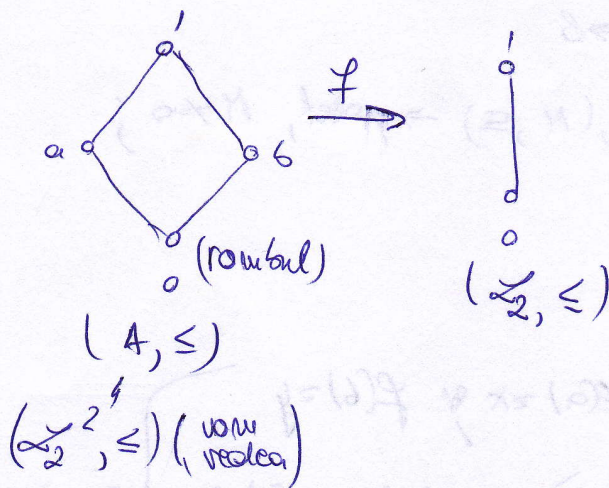
$$x \leq 1$$

$$f^{-1}(x) = a \neq b = f^{-1}(1)$$

f^{-1} nu este izomorfa

Def. f s.m. izomorfism de poseturi (izomorfism de ordine) deci
 $f \rightarrow$ izomorfa (morfism), bijectiva si cu $f^{-1} \rightarrow$ izomorfa

* Sa se determine toate f izomorfe intre unu. poseturi:



$$\text{In } (A, \leq): 0 \leq a \leq 1$$

$$\text{Pe } f: A \rightarrow \mathbb{Z}_2, f \rightarrow$$

$$\Rightarrow f(0) \leq f(a) \leq f(1) \Rightarrow f(b) \leq$$

$$\Rightarrow (f(0), f(a), f(1)), (f(0), f(b), f(1))$$

$$\in \{(0,0,0), (0,0,1), (0,1,1), (1,1,1)\}$$

$$\Rightarrow (f(0), f(a), f(b), f(1)) \in \{(0,0,0,0), (0,0,0,1), (0,0,1,1), (0,1,0,1), (0,1,1,1), (1,1,1,1)\} \rightarrow \text{e } f, \text{ izomorfe}$$