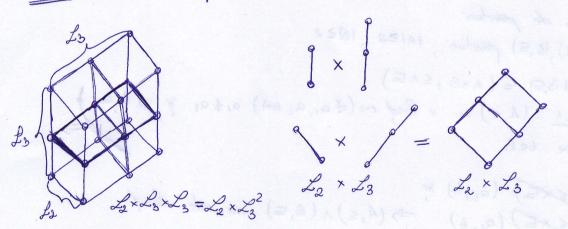
Lew. an orice frame. itolomé pastreara minimele & maximele arbitrare $\underbrace{QEZ'}_{i} \neq_{i} = (A, \leq), (B, \equiv) \text{ poseturi}_{i}, f: +>b \text{ func. irotoma}_{i} & X = A, Y = A \text{ ai}_{i},$ $\underbrace{J}_{i} = (A, \leq) \text{ auin}(X) & \text{ max}(Y) \longrightarrow X + B, Y + B \longrightarrow A + B = B + B$ $\underbrace{J}_{i} = (A, \leq) \text{ auin}(X) & \text{ max}(Y) \longrightarrow X + B, Y + B \longrightarrow A + B = B + B$

Fruin f(x) in (B, \subseteq) 8: f(min(x)) = min(f(x))Not. $m := min(x) \iff m \in X$ $\Rightarrow f(m) \in f(x)$ (*) $f(a)/a \in X$ $\Rightarrow f(m) = f(a)$ $\Rightarrow f(m) \subseteq f(x)$ $f(a)/a \in X$ $\Rightarrow f(m) = f(a)$

(*), (**) $\Rightarrow f(nu) = \min(f(x)) \Leftrightarrow f(\min(x)) = \min(f(x))$ Prim shaltake $\Rightarrow \exists \max(f(y)) = f(\max(y))$

Exerc. Si se desconyana ura poset (latice) su produs direct de lantur.



 $\begin{cases}
2 \\
2
\end{cases}$ $\begin{cases}
2
\end{cases}$ $\begin{cases}
2
\end{cases}$ $\begin{cases}
3
\end{cases}$

= 2×1, (2×1,2×1) = (2,1×2), 1×6 = 6 was de (2,8)