a of ob L2 = L2 x L2 (rombul) (alq. Boole) Exerc: Fre (C

Si C(L) mult eleme corresplementate ale lui L. Lem cà C(L) formeatai o alg. Book.

REZ:

Los distributivà $\Rightarrow (\forall \times e C(L)) \times are exact un complement in L, fie acesta <math>\overline{X}$.

acesta x. 0,1 e C(L), cu $\overline{0}=1$ ($\sqrt[6]{1}=0$). $\forall x, y \in C(L) \Rightarrow \begin{cases} x \vee y \in C(L), cu \\ x \wedge y = x \wedge y \end{cases} = x \wedge y \end{cases} \Rightarrow C(L) \Rightarrow \text{ sublat}$ $\forall x, y \in C(L) \Rightarrow \begin{cases} x \vee y \in C(L), cu \\ x \wedge y = x \vee y \end{cases} \Rightarrow C(L) \Rightarrow \text{ distributiva}$

₩ xe C(c) =>

C(4) - lat distr. marg.

 $\forall x \in C(L) \Rightarrow x \in C(L)$ en $x = x \Rightarrow x$ are complemental $x \in \mathbb{N}$ lat distributiva many $C(L) \Rightarrow C(L) \Rightarrow lat distributiva complemental <math>x \in \mathbb{N}$, i.e $(C(L), V, \Lambda, \leq, -, 0, 1) \Rightarrow alg$. book. (--elem unive in cotal) complementari

Exerc: ben. ca singurele alg. boole total ordonale sunt alg boole Inivalà si alg. boole standard.
(Bental au un elem) (boutal au dona elem)

 $\frac{\text{RE2}:}{\text{Be}} (B, V, \Lambda, \leq, \overline{-}, 0, 1) \circ \text{alg book} \Rightarrow B \neq \emptyset.$ $\text{de. } 161 = 1, \text{at.} \Rightarrow 0 = 1 \Rightarrow B = 103 = 113 = L_1 \Rightarrow \text{lant (alg. book)}$

Anvialà (alg. boole total oxolo nata))
be 181=2, at => 0 +1 & b=40,1] == = lant (alg. booke standard)

(0 < 1)