HASSE DIAGRAM.

1898-1979.

EXIS: - RZ FLaib) ASB? P(S). NPCS).

A≤B B≥A.

S= {a,b,c}.

PLS) 2 { p, fal, & bt, &ct, fabl, &bict, &aict, faisii}

C Prove in HW.

PCS) KPCS) = { (P, P), (+, fat), (P, 464) -

(fat, p), (fat, fat), (--)-

(WW).

R2 & (Dia), (D, Sa2), (0, Sb2), (D, Sc2), (,) --(fat, Kat), (fat, faibt), (fat, faich), (fat, faibich), (562,567), (462,4a,6), (462, 16,17), (662, ha,6127),

(farbich farbich) }

(P(fa15, Cf), ⊆). → fal

fa16,18, & c?

PLS) 2 fp, fal, fbt, fct, fant, fbict, fait, faitil?

Ex:-

R2 & (a1b) \ [a Ub] >, 1 \ .

P(S) Sz {1,4,8}.

HW.

New Section 2 Page 1

	SOME	BASIC	DEPINITIONS.
PS09.	2-	Greatest:	a ES is The greatest in (S, La)
,		ik	bga Ybes.
		O	
	2-	LEKSI:	a ES is the least in (S,G)
		\rangle	abb 4625.
		U	
	3-	Maximal:-	a ES is maximal in (S, 6),
		ih	776 ES. ab.
		V	
	4-	Minima!	a ES 13 minima in (S, E)
		i	1 736ES 649.
b - 10m.			

Bx 17./ PS10. (a)

Observation: Greatest exist -> that element is maximal. fæst " -> " u " Minimal. Grætest does not -> we may or may not houre Exist world. teast does not -> we may or may not exst have minimal.

Upper Bound! UEUB (UES) 17 a&V

Y a EA. Then

UEUB for the Set A ES. Defruitions: PSlo. lower-Bound: JELB (LES). if (AA)
Va EA the
1 S.1B for the Set A S.S.

Ya EA the LELB for the Set A & S. {a,b,c} find Upper bound. UB = {e, f,j,h?. LB 2 {a}. faibics. Least Upper Bound: Les. P522. faisich. Greatest lower Bound: fa? Refruitions :-Set = {bie}. UBz & fijihie?. LUB= {e} LB. 2 fa, b}. GLBzgb3. 3 dements. 12 K.-(a) + 4 elmats. CHW. (e)]







