Finite Poset

· meet semilative (SAT exists) sit => ô

· john semilative (SVT exists) sit => ?

· lattice: weets & johns

· semi modelar: graded & p(s)+p(t) ≥ p(SAT)+p(SVT)

Sont bom covers => Sont

• modular: gradul & p(s)+p(t) = p(s)+)+p(s)+
• atomic: an atom is any sex se ô & s
• every u. E. L. can be withen u= 5,1/5,U-USK Si's Aons
• a lattle is complemented if YSEL FLEL St. sut=1 & snt=6.

geometric lattre is a Prite, senious dela storic lettire.

Classity the following:

· ([n], =) moder lattice (not abonic, not confinented)

· Bn = (SSENJ, S) modular, Complemented, actomic, geometrs

· Dn = ([n], i=jifj=0modi)

· Th = (set pathous (Ch), reference) atomic geometric

· Bn(q) = (subspace of \$\P\q^n, \leq)

BONUS weak order on Sn

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