

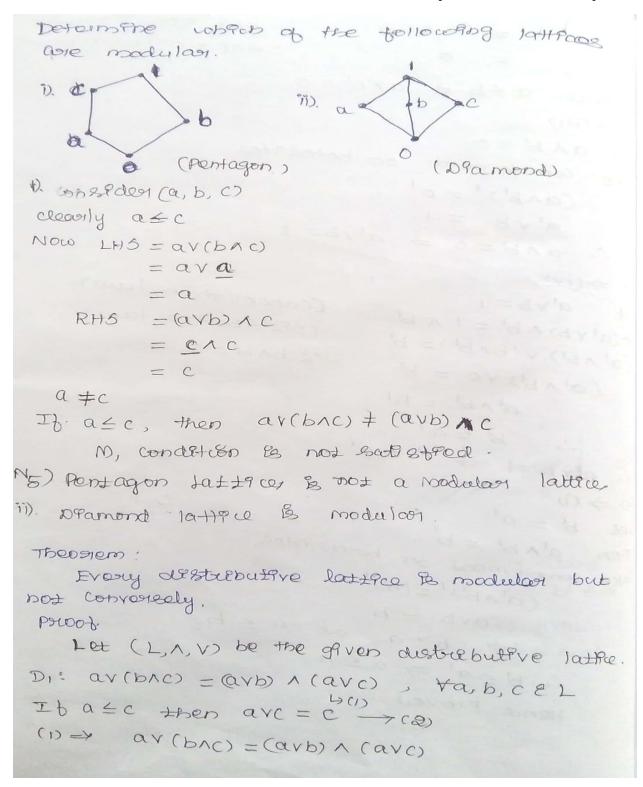
## SNS COLLEGE OF TECHNOLOGY



## (An Autonomous Institution) Coimbatore-641035.

## UNIT5-LATTICES AND BOOLEAN ALGEBRA

Direct product and homomorphism





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UNIT5-LATTICES AND BOOLEAN ALGEBRA

Direct product and homomorphism

= (avb) 1 C using 19:)

i If a \( \) c then (avb) \( \) C = av' (b\) C)

i Eyery distributive lattice is modular.

But, convorise is not time.

but, every diodular lattice head not be distributive.

for eg., M<sub>5</sub> (Diamond lattice) is modular but

it is not di stributive.