

PARSHVANATH CHARITABLE TRUST'S

A.P. SHAH INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering Data Science

Semester: Subject: DSGT Academic Year: 2022-2023
3 Bounded Lattice -
Consider a poset (S, L) Definition: A partially ordered set (S, S) is called a bounded fattice if it has the greatest element (1) and the least element(0) greatest element -
least element (0) -
e.g. 1)
consider the following hasse dia
least element: a albare, ald (asb) (asc) &(asc)
greatest element d d > b, d > c, d > a
Both least & greatest elements exist in the above lattice.
Therefore, the given lattice is a bounded of Every finite lattice has a least lattice demonst & a greatest element.
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