

PROBLEM SET SEVEN: (PRE)SEMILATTICES AND TREES

Problem 1

Prove the six facts about \sqcap in a lower presemilattice.

Problem 2

Prove Absorption up to Equivalence for prelattices.

Problem 3

Prove Semidistributivity for prelattices.

Problem 4

Fill in the details in the proof of Theorem 1.

Problem 5

Give the rest of the proof of Theorem 2.

Problem 6

Prove Theorem 4.

Problem 7

Prove the Corollary to Theorem 5 (you can take Theorem 5 to have been established).

Problem 8

Prove Theorem 6.

Problem 9

Prove Theorem 7

Problem 10

Prove Theorem 8.