

Assignment 5-1.

So far I cannot find an mexample of a complete. lattice (A. ≤) and a monotone function f= A > A such that full) is not a fixed point of f. My idea is.

D every complete lattree (A =) is a chain complete.

partial order (cepo).

(E) if a function f: A-) A is monotonic on complete lattice (A. E) it should be continuous.

Prove of 8

for each Xi y & A. If X = y . then five stiy, for any subset BEA. VB exists and VB is an element of B since the vealition relation on A is "="

: VEF (N) (X CB) = f(VB). : f=A->A is a continuous function

3 Based on definition of Kleene's fixed point theorem. fw(1) is the least fixed point of f.

Is there something wrong in 0 or 2?