11.12.22 Special care where 1: = 1 for all i and ((e) = le for all chance. Hence

Since for overy chase e, ((e) = le = 2; 1: no conjection can occur, we only have to worry about

a relial family of le (s, t) - How

maintaining precedo - Howells - better of homenand 1: for every How pair. We dain that the following algorithm solver the problem of mally: 1. Perform ugdaler Vi, 5: 5 is an i- york, ve F; " n b - y(5) (v, i) (if any) in a single round. 2. Perform updater V: 6:6 in an i-yerk (y(b), i) in a single round. 3. Coform updates Vi, 5: bis ani- Mode, veb-Fin (v, i) (if any) in a single round. Let is [&] and b be an i- look. We need to show that our algorithm outputs a leavible scholule. Optimality then lollows from Lemma 4.1. Let U, be the set of uplates performed in the 1 of our algorithm. Define U, U, analogously. Then we need to show (1) the U, U, U, = V. and (2) (i) U, days the consistency rule, (ii) U, U, days the consistency rule, and till for Un, Uz, and U, are painwise disjoint, and (3) for every permetation of Uz, for every permutation of Uz, for every permutation of U, U; naturior obeys the consistency rule for every ; e [V x [L]]. BRUNNEN IL