## Lec. 21-b proof, lower sum leq upper sum

Monday, July 29, 2024 11:41 PM

WIS  $L(f) \neq T(f)$  is =  $\forall P_1, P_2 \notin S_1$  we have  $L(P_1, f) \neq T(P_2, f)$   $recall : When P_1 = P_2$  — the above inequality holds  $root P_1 \neq P_2$   $fet P^* = P_1 \vee P_2$  i common reducement of  $P_1 \otimes P_2^{(1)}$ Then  $L(P_1; f) \neq L(P^*; f) \neq T(P^*; f) \neq T(P_2; f)$   $: L(f) \notin T(f)$  for all bounded  $f: TabJ \rightarrow R_2$