

1. is easy (BFS from state) 2. Find all pairs of dist states. Pairs left over are indist and can be mergedi Rules for distinguishability Let q, r eQ. q and r are dist, iff I , one of a & r is accepting and the other is rejecting, Then E & L(Aq) AL(Ar) 9 & r are distinguished 2. There exists an a= 2 Such that $\delta(q,a)$ and $\delta(r,a)$ are distinguishable, If string w distinguishes $\delta(q,a)$ from $\delta(r,a)$ then, say, WEL(Aslen))D L(As(r,)) aw distinguishes
q from relingially Nothing clse applying these rules a finite number of times yields all dist. pairs Initialize a table blank Pat X into