



- 6 (aa)*(bb)* + a(aa)* 6(bb)*
- ((a+b)* (aaa + aab + abb + baa+ bab+bba + bbb) + (a+b+2)2
- (a) b(b+ab*a)* abb*
- @ (atb)10 (atb+2)40

6 FALSE.

@ stades once A, B, C, D, E, F, G, H, by comiderary un reach ability state Dris removed. A,B,C,E,F,G,H,
by considering ov. I and I shade all remaining 7 states are devided ento two blocks. A,B, E, F, G, H, C N.F. Amony Non Fend state BH. Hate behave A, BH, E, F, G, C some with any w. Af = behave same UE, BH, F, G, C cult any w. so finally 5 numbers of stades are present in enpty stating. B p*= {2} empty set. ay = \$ empty stoing. 2 = (21 - (ACD) - (ACD

This selationship is transitive.

Let. (P, q) indistringuishable and (q, v) indistringuishable for any ω $e^{*}(P, \omega) e^{*}(P, \omega) e^{*}(q, \omega)$

proofe by consider two language L, & tz. come

led L, & Lz once regulars.

... Design to DFA for both to L, and tz.

... Design the DFA for L, Mz.

L = \(\) \(\