TMs Problem 9,1-86 TM for L= \{w' | w| is odd, w= \{a_163+\} algorAhm: go left most, start scanning from left to eight. start scanning from left to eight. frost symbol => godd => geven subsequent symbols: if goven >> godd if godd @ Right #, go to 8 final M=({go,gs, godd, geven, gf 3, 3a,b3, 3a,b,#5, 8, 20, #,5gf) 1/ go left most (go,a,a, L, go) (go,b,b, 6,80). (80, #, #, R, 95) [always@least one symbol] 1 first symbol > odd [gs,a,a,R, godd) (qs,b,b,R, godd) 11 odd = even = odd (godd, a, a, P, geven) (godd, b, b, R, geven) (geven, a, a, R, godd) (geven, b,b, R, godd) 11 go to final state if odd @# [godd,#,#,2,84) instantaneous descriptem: #abgoa# - #agoba# - #goaba# w=aba &L + # 90# aba# + ## 95 aba + ## a godd bax - ## ab geren a# + # aba godd # Hab ga # V w= abba & L # abgoba# 1- # agobba# 1- # gabba# H # 80 Habbatt H ## 8s abbatt H#a godabba H #abgeven ba# + # abbgodd a# } # abbageren# [dead configuration : halt in nonfinal State in not accepted