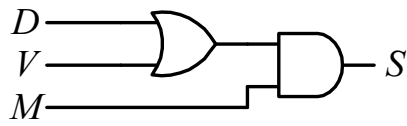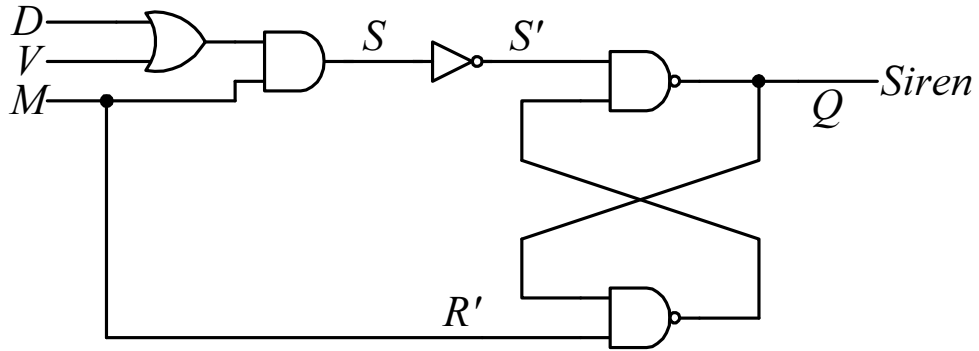# Car Security System

DeMorgan's Law

$(x + y)' = x' \bullet y'$

74LS00 Quad 2-input NAND gate

Top schematic (printed):

+5 V   M   +5 V

D   150   13   12   11   9   10   8   R' 13   12   11   S' 9   10   8   Red Led   150

V   150   1   2   3   5   4   6   220   1   2   3   5   4   6

Active Buzzer   Green Led   150   Active Buzzer

Bottom hand-drawn schematic:

M   +V

+V

D   13   11   12   9   10   8   R' 13   11   12   S' 9   10   8   Red Led   150 Ω

V   1   2   3   6   4   1   2   3   Green Led   150 Ω

A Active Buzzer

B Active Buzzer