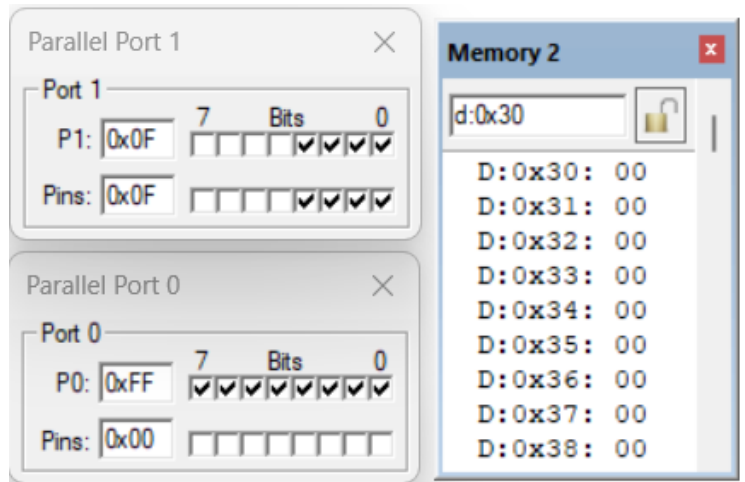
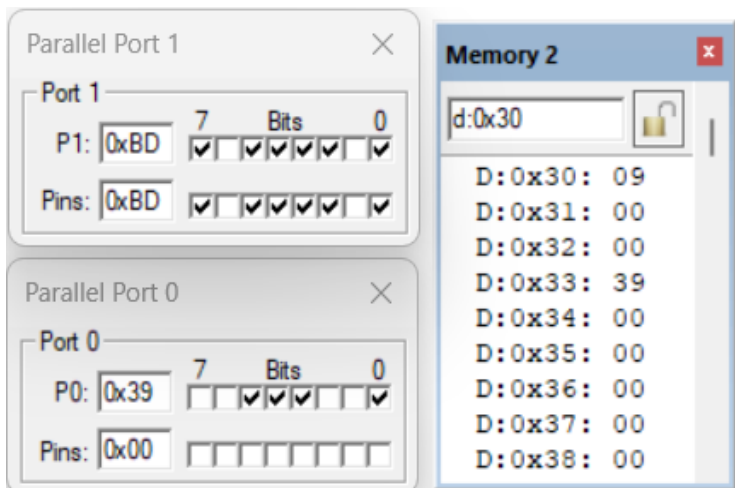


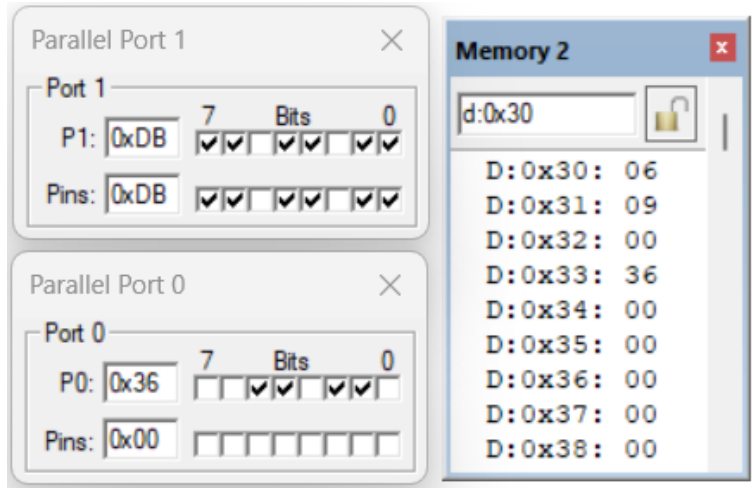
(1) at the beginning all ports are set **FFh**



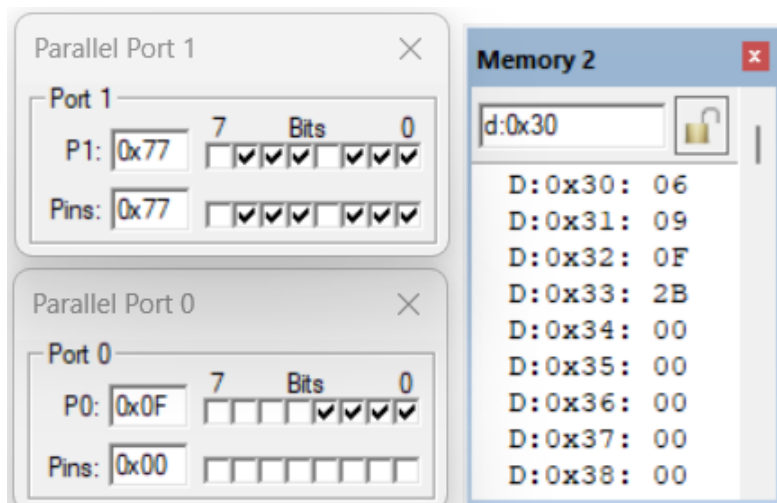
(2) Columns must read **1111b**, indicating no active key.



(3) Once both active row and column are found, the lookup table is accessed.  
(here row\_2 and column\_1 i.e 9)



(4) then goes back to main for another key to be pressed  
(here row\_1 and column\_2 i.e 6)



(5) Shows how memory addresses 30h and 31h store last two digits.  
When '+' is pressed, the addition is done and result stored at address 32h.

(here 6h + 9h = 0Fh)  
P0 shows the sum in binary