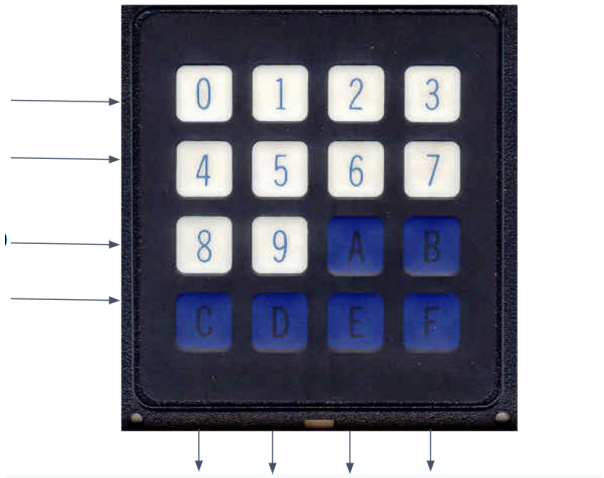
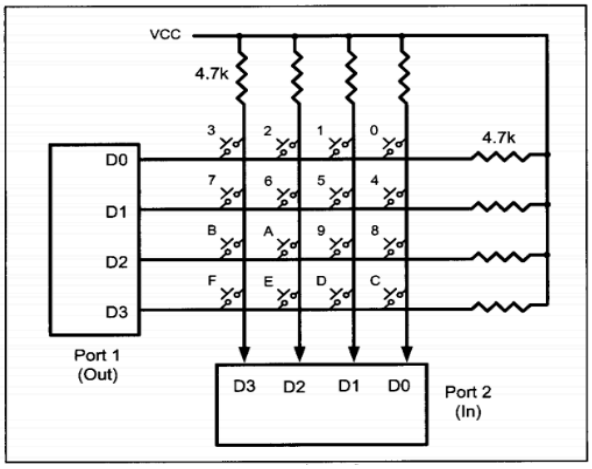
Hex KeyPress Mapping

Real Config:



Circuit config (which is inverted)

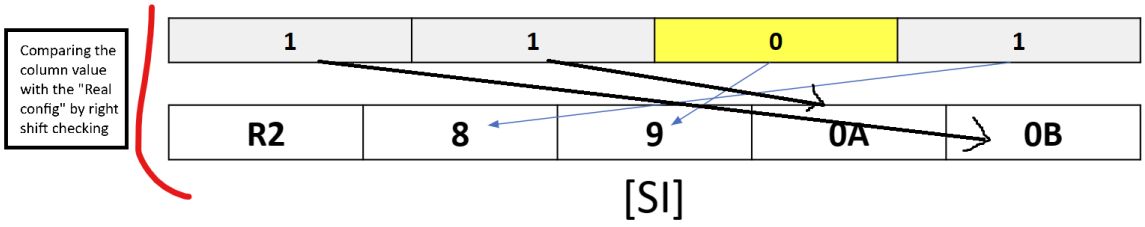


Example 1. You have pressed 7 in the hex key board. How will you find in the 3rd step (“Key press identification” step) which is your key.

Ans. with keypress 9.Ans

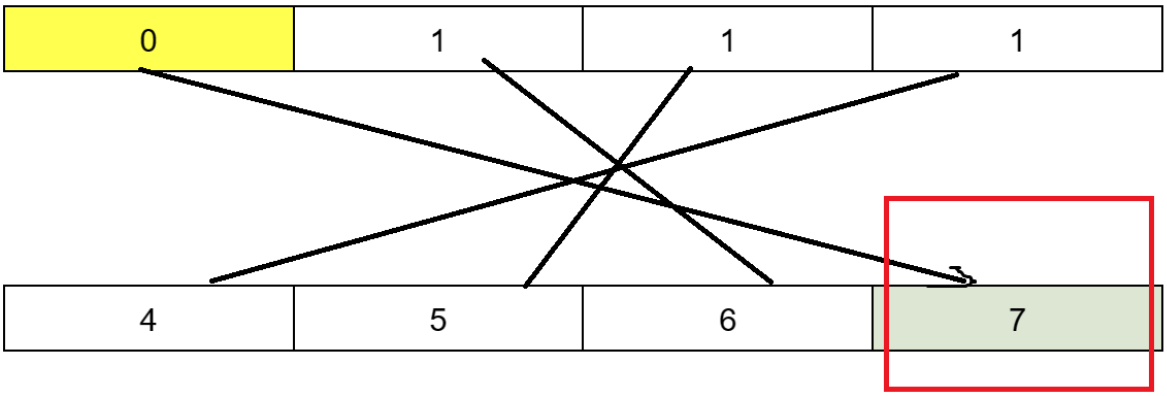
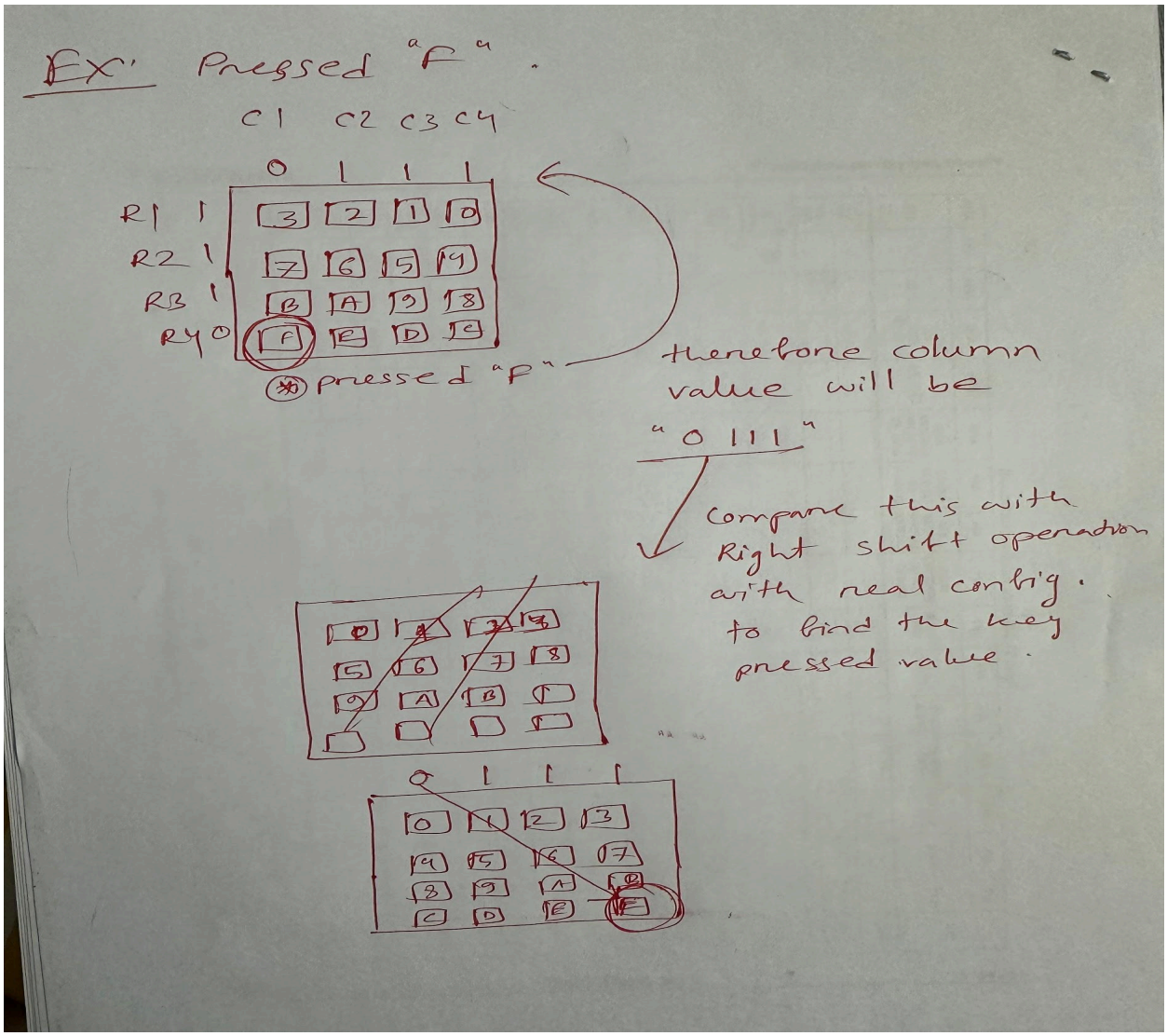
Key Press Identification

- We got the value of column 1101 from Row 2 (R2)
- Now we have to find the 0 by shift right (SHR) operation to find out the corresponding value and store that into KEYPRESS variable.
- MOV AL, [SI]
  MOV KEYPRESSED, AL



Answer with keypress 7:

Column Value for pressing 7 :



Compare the key value with the real config not the inverted one