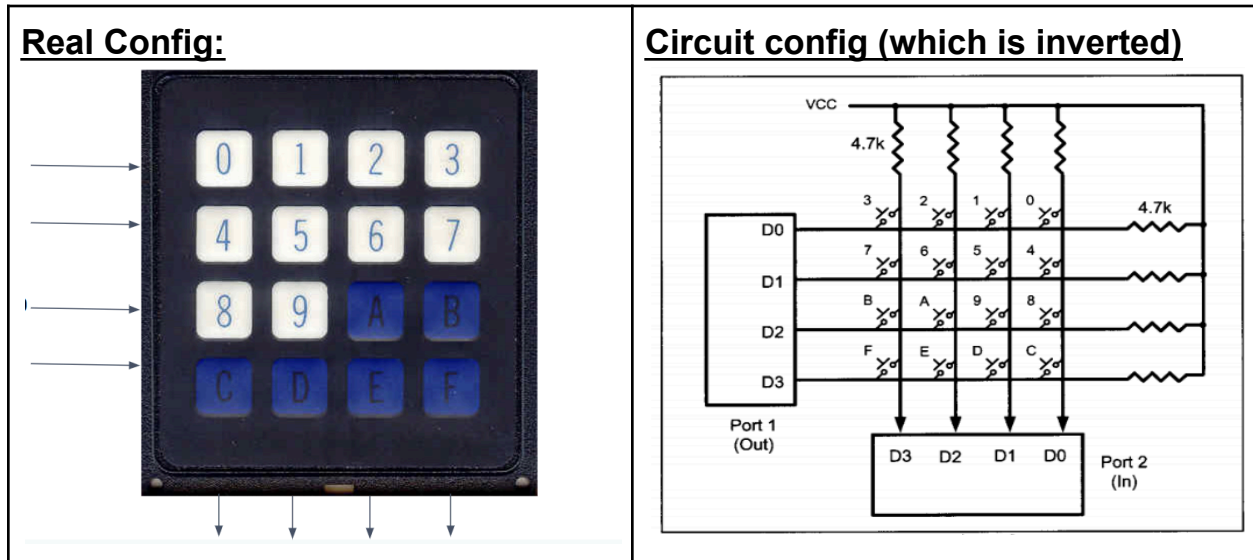


Hex KeyPress Mapping

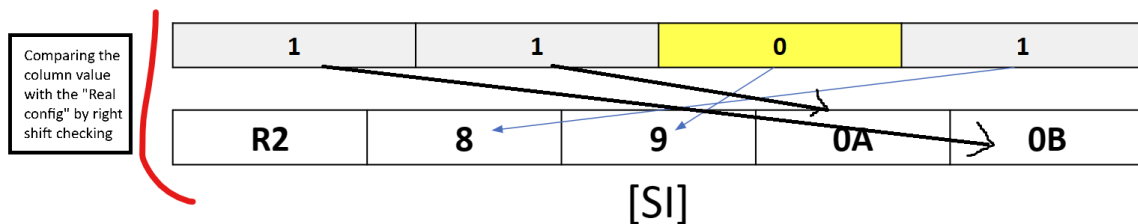


Example 1. You have pressed 7 in the hex key board. How will you find in the 3rd step ("Key press identification" step) which is your key.

Ans. with keypress 9. Ans

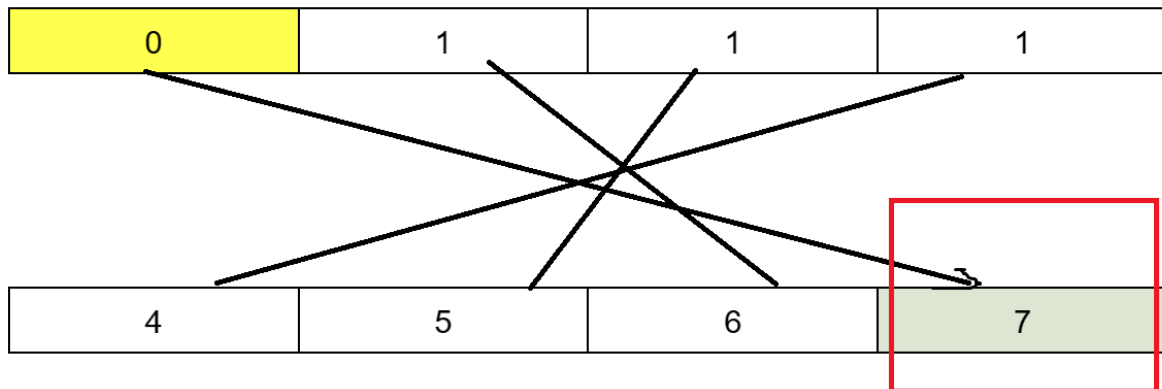
Key Press Identification

- 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

Ex: Pressed "F"

C1 C2 C3 C4

	0	1	1	1	
R1	1	3	2	1	0
R2	1	7	6	5	4
R3	1	B	A	9	8
R4	0	<u>F</u>	E	D	C

(*) pressed "F"

therefore column value will be "0 1 1 1"

Compare this with Right shift operation with real config. to find the key pressed value.

0	1	1	1
0	4	2	3
4	5	6	7
8	9	A	B
C	D	E	<u>F</u>

