

LOGIC

- 1.AND (CLEAR)
- 2.OR (SET)
- 3.XOR (CHANGE)

AND(clear=0)

Result 0 if anything is 0

XXXX XXXX

0000 1111

0000 XXXX

Clean LSB AND MSB of AL

0111 1110

AND AL,7EH

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<https://www.youtube.com/watch?v=6hkKb4hOZmQ&list=PLiceGnDCE4XZdGymw66QH>

SET (OR=1)

RESULT 1 IF anything is 1.

XXXX XXXX

0000 1111

XXXX 1111

Set the even number bits of BX

1 0 1 0 1 0 1 0 1 0 1 0 1

OR BX,5555H

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XOR(change)

RESULT 0 WHEN TWO BITS ARE SAME

XXXX XXXX

0000 1111

XXXX XXXX

Change LSB, MSB of AL others will be same

1000 0001

XOR AL,81

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