

Notation for Program ROM

1. ROM bank switched by P3.

P3(0..3)	0000	0001	0010	0011	0100	0101	0110
0000~0FFFh	Bank 0						
1000~1FFFh	Bank 1	Bank 2	Bank 3	Bank 4	Bank 5	Bank 6	Bank 7

2. You only can branch to different bank form bank 0.
3. For example, we do not allow branch from bank 1 to bank 2.
4. Do not change P3 value to others except “0” when you are in the bank excpet bank 0.
5. If you are in bank 1, but you change the bank # to bank 2. that will caused the program counter automation switch to bank 2 after the P3 value valid. except you intenent to do so, otherwise the program will be disturbed.
6. Table look-up data area depends on the total ROM size.

ROM size	table look-up data area
less or equal 4K	All Program ROM area
more than 4K	Except bank 0

7. Do use the table look-up instruction except in bank 0 or fetch the same bank data.
8. Speech ROM can be treat as data ROM in EM73A88, A83 and 883 only.