**[Address Selector](https://www.youtube.com/watch?v=X5iI_aPhi5c&list=PLk4sSigu0N0W4v755N_O6Jk1WWrfWIGgm&index=5):**

4 bit binary address location is required to represent location from 0 to 15. During run operation 4 bit data is coming from MAR, during programming operation 4 bit data comes from input unit.

A computer screen shot of a computer

Description automatically generated

There are 4 sub-circuits in the address selector.Each sub-circuit consists of one NOT , two AND and a OR gate.

A diagram of a graph

Description automatically generated with medium confidence