1. An inverter can be implemented with 1 input connected to both the terminals. Another way can be to connect one of the inputs to power which would result in a constant 1 state and the input signal to the other.
2. Diagram

   Description automatically generated
3. A pair of glasses

   Description automatically generated with medium confidence
4. (A+B)·!(AB)
   1. A pair of glasses

      Description automatically generated with low confidence
   2. Diagram

      Description automatically generated
   3. A picture containing text, clock

      Description automatically generatedThe common name of this function is XOR
   4. Diagram

      Description automatically generated