1. #1 n-type p-type
   1. Gate = 1 closed circuit open circuit
   2. Gate = 0 open circuit closed circuit
2. #2
   1. 1
   2. 0
   3. 1
   4. 0
   5. 1
   6. 0
   7. 0
   8. 0
3. #3
   1. C
      1. 1
      2. 1
      3. 0
      4. 0
   2. D
      1. 1
      2. 0
      3. 1
      4. 0
   3. Z
      1. 0
      2. 0
      3. 0
      4. 1
      5. Z is only on if both C and D are off
4. #4
   1. NOT(NOT(A) OR NOT(B))
      1. 0
      2. 0
      3. 0
      4. 1
      5. AND
5. #5
   1. A NOR B
      1. 1
      2. 0
      3. 0
      4. 0
6. #6
   1. Z
      1. 0
      2. 0
      3. 0
      4. 0
      5. 0
      6. 0
      7. 0
      8. 0
7. #7
   1. Sum
      1. 0
      2. 1
      3. 1
      4. 0
      5. 0
      6. 0
      7. 1
   2. Carry
      1. 0
      2. 0
      3. 0
      4. 1
      5. 0
      6. 1
      7. 1
      8. 1