1. Modified
   1. L1Data read
      1. Hit
         1. MESI: M
         2. Pass data to L1Data
      2. Miss
         1. HIT/HITM from shared bus
            1. MESI: E
            2. Read data from shared bus
            3. Place in L2
            4. Pass to L1Data
         2. MISS from shared bus
            1. MESI: E
            2. Read data from shared bus as RFO
            3. Place in L2
            4. Pass to L1Data
   2. D
   3. D
   4. D
   5. D
   6. D
   7. D
   8. D
2. Exclusive
   1. D
   2. D
   3. D
   4. D
   5. D
   6. D
   7. D
   8. D
   9. D
3. Shared
   1. D
   2. D
   3. D
   4. D
   5. D
   6. D
   7. D
   8. D
   9. D
4. Invalid
   1. D
   2. D
   3. D
   4. D
   5. D
   6. D
   7. D
   8. D
   9. D