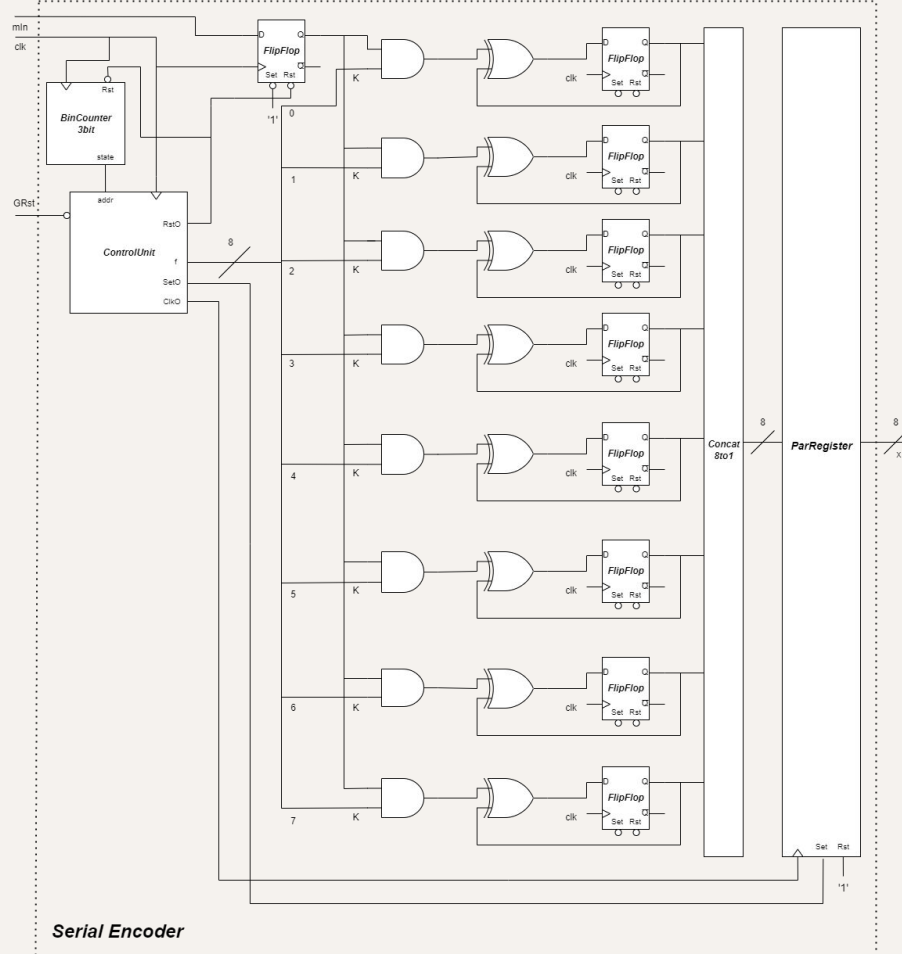


Hadamard Codes

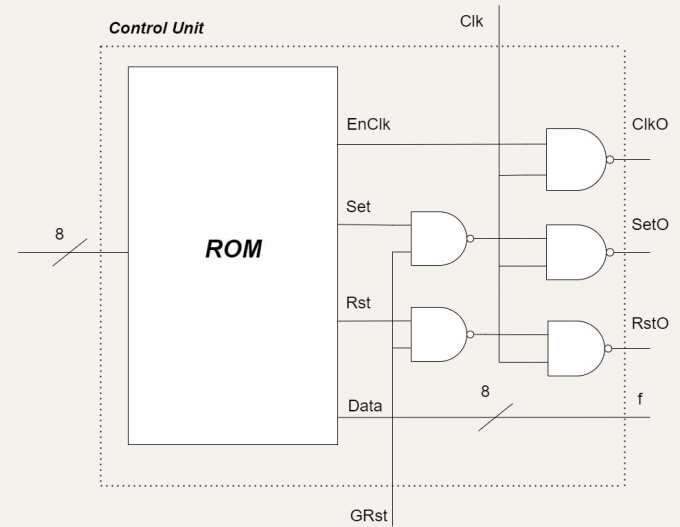
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Encoder Serial



Serial Encoder



Logic Gates

- 8 ***AND Gates***
- 8 ***XOR Gates***

Components

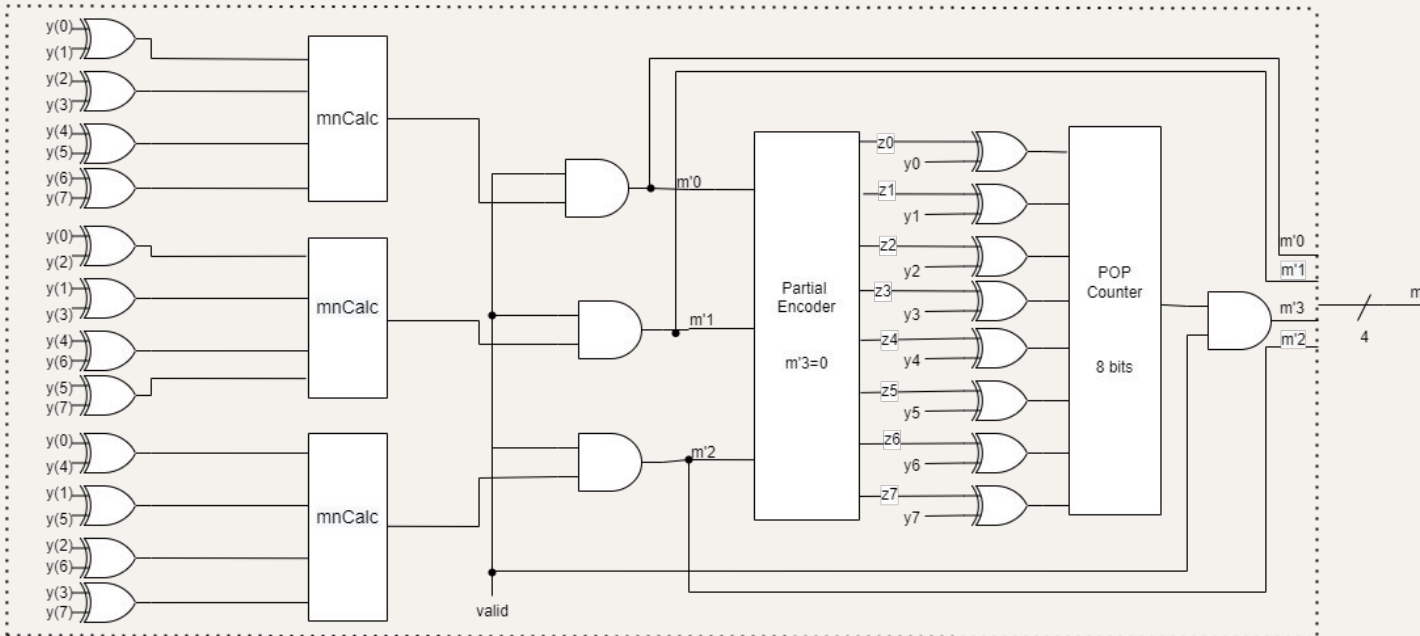
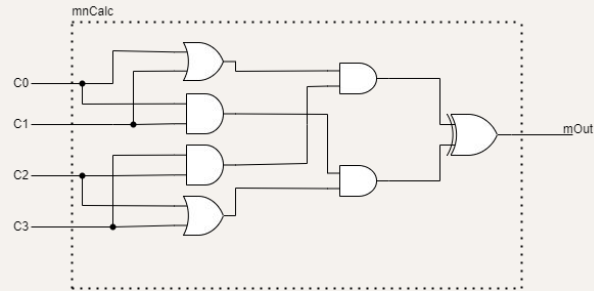
- 1 ***Binary Counter***
- 1 ***Control Unit***
- 9 ***FlipFlop***
- 1 ***Concatenator 8 to 1***
- 1 ***Parity Register***

Encoder

Serial

Decoder

Parallel



Logic Gates

- 25 **XOR Gates**
- 4 **AND Gates**
- 16 **NOT Gates**
- 1 **OR Gate**

Components

- 6 m_n **Calculator**
- 1 **Partial Encoder**
- 2 **Concatenator**
- 1 **Pop Counter**

Decoder

Parallel

Worst Case Propagation Delay

- 12 **XOR** + 3 **AND**

Error Detection

