

# Exercise 1

①

! ordre

$$2^3 - 1 = 7$$

Q2

Q0

0

1

0

1

0

0

1

0

0

1

Q2 XOR Q0

Q1

0

1

1

0

1

0

0

1

0

1

Q2

Q1

Q2

1

0

1

0

0

1

0

0

1

0

0

1

1

1

1

1

1

0

1

1

0

0

⑥ mux?