



Truth Table

| A | B | Q_0 | Q_1 | Q_2 | Q_3 |
|---|---|-------|-------|-------|-------|
| 0 | 0 | 1 | 0 | 0 | 0 |
| 0 | 1 | 0 | 1 | 0 | 0 |
| 1 | 0 | 0 | 0 | 1 | 0 |
| 1 | 1 | 0 | 0 | 0 | 1 |