

- based on [[Chen Notation]]
- some slight differences

## Cardinality

- 1:1 - one to one
- 1:C - 1 to 0/1
- 1:M - 1 to at least 1
- 1:MC - 1 to arbitrary many

- **1:1** – [1] to [1]
- **1:C** – [1] to [0 or 1]
- **1:M** – [1] to [at least 1]
- **1:MC** – [1] to [arbitrary many]
- **C:C** – [0 or 1] to [0 or 1] → **see 1:1 in Chen**
- **C:M** – [0 or 1] to [at least 1]
- **C:MC** – [0 or 1] to [arbitrary many] → **see 1:N in Chen**
- **M:M** – [at least 1] to [at least 1]
- **M:MC** – [at least 1] to [arbitrary many]

- ▪ **MC:MC** – [arbitrary many] to [arbitrary many] → **see M:N in Chen**

→ **4\*4 = 16 combinations**  
(symmetric combinations or

1	1	1	1
0	1	1	1
0	0	1	1
0	0	0	1

$n \cdot$