

## 1.12 Potenzmenge einer Menge

$$\textcircled{1} M = \emptyset$$

$$P(M) = \{\emptyset\}$$

$$\textcircled{2} M = \{1\}$$

$$P(M) = \{\emptyset, \{1\}\}$$

$$\textcircled{3} M = \{a, b\}$$

$$P(M) = \{\emptyset, \{a\}, \{b\}, \{a, b\}\}$$

$$\textcircled{4} M = \{0, 0, 1\}$$

$$P(M) = \{\emptyset, \{0\}, \{0\}, \{1\}, \{0, 0\}, \{0, 1\}, \{0, 0, 1\}, \{0, 1\}\}$$

$$\textcircled{5} M = \{+, *, 0, 1\}$$

$$P(M) = \{\emptyset, \{+\}, \{*\}, \{0\}, \{1\}, \{+, *\}, \{+, 0\}, \{+, 1\}, \{*, 0\}, \{*, 1\}, \{0, 1\}, \{+, *, 0\}, \{+, *, 1\}, \{+, 0, 1\}, \{*, 0, 1\}, \{+, *, 0, 1\}\}$$

Potenzmenge beinhaltet alle Teilmengen (ungeordnet) einer Menge und die leere Menge.