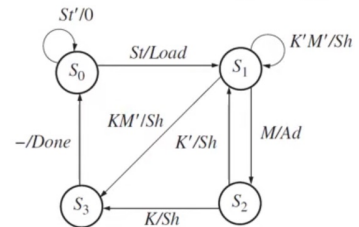
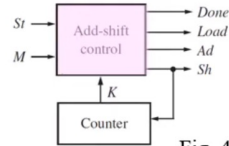
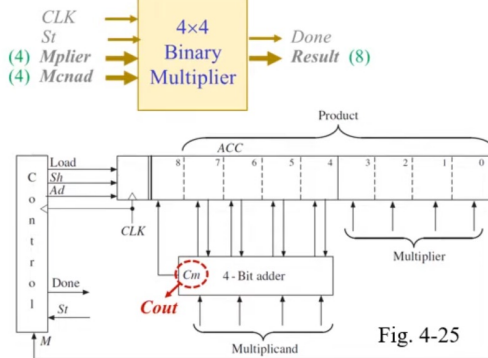


5.2.1 Binary Multiplier

A. Derivation of SM Charts: Binary Multiplier Example

■ Problem description:

- Derive the SM chart for control of the binary multiplier: §4-8



SM Chart

■ SM chart for control the binary multiplier:

- The **add-shift control** generates the required sequence of add and shift signals.
- The **counter** counts the # of shifts and outputs $K = 1$ just before the last shift occurs.

