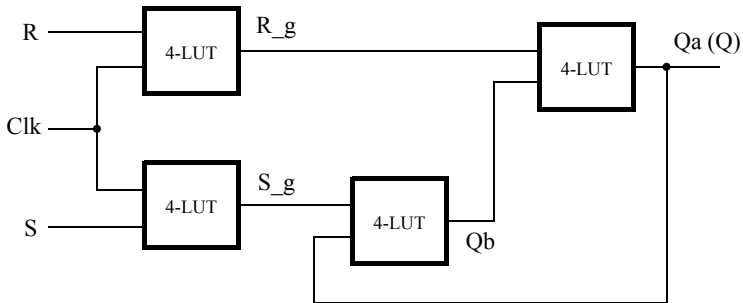(a) Using one 4-input lookup table for the RS latch.

(b) Using four 4-input lookup tables for the RS latch.