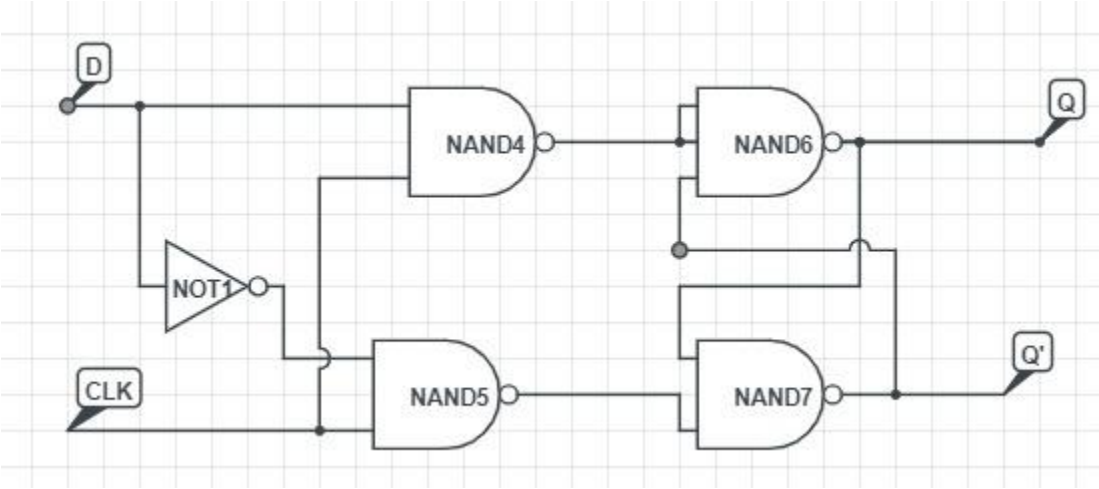
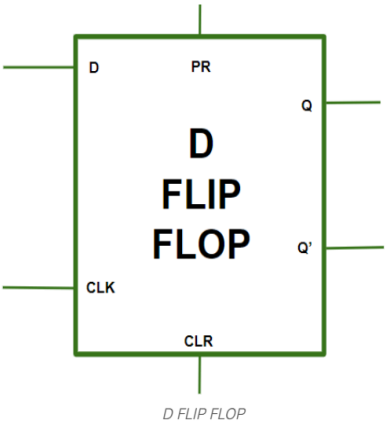
**TEAM 5**

# TASK 15: SIMULATE AND VERIFY A D-FLIP-FLOP




**Schematic design of D-Flip-flop**




**Block diagram**

| Q | D | Q(t+1) |
|---|---|---|
| 0 | 0 | 0 |
| 0 | 1 | 1 |
| 1 | 0 | 0 |
| 1 | 1 | 1 |

**Truth Table**