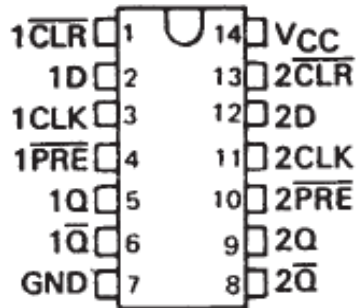


# 74LS74

Dual Positive Edge-Triggered D Flip-Flops



## Function Table

FUNCTION TABLE

| INPUTS |     |     |   | OUTPUTS        |                 |
|--------|-----|-----|---|----------------|-----------------|
| PRE    | CLR | CLK | D | Q              | Q̄              |
| L      | H   | X   | X | H              | L               |
| H      | L   | X   | X | L              | H               |
| L      | L   | X   | X | H↑             | H↑              |
| H      | H   | ↑   | H | H              | L               |
| H      | H   | ↑   | L | L              | H               |
| H      | H   | L   | X | Q <sub>0</sub> | Q̄ <sub>0</sub> |

logic diagram (positive logic)

