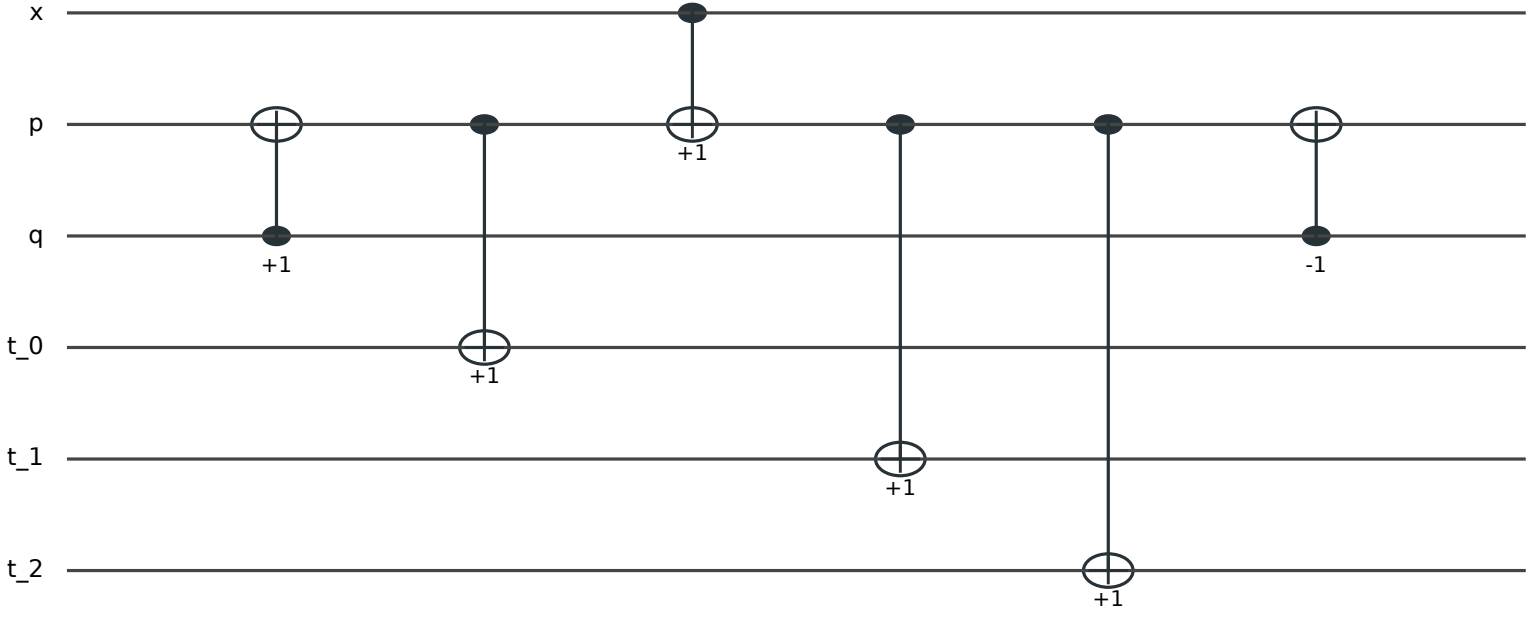
Universal six-qudit catalytic SUM circuit



The first and last gates open and close one reverse-directed dependency.