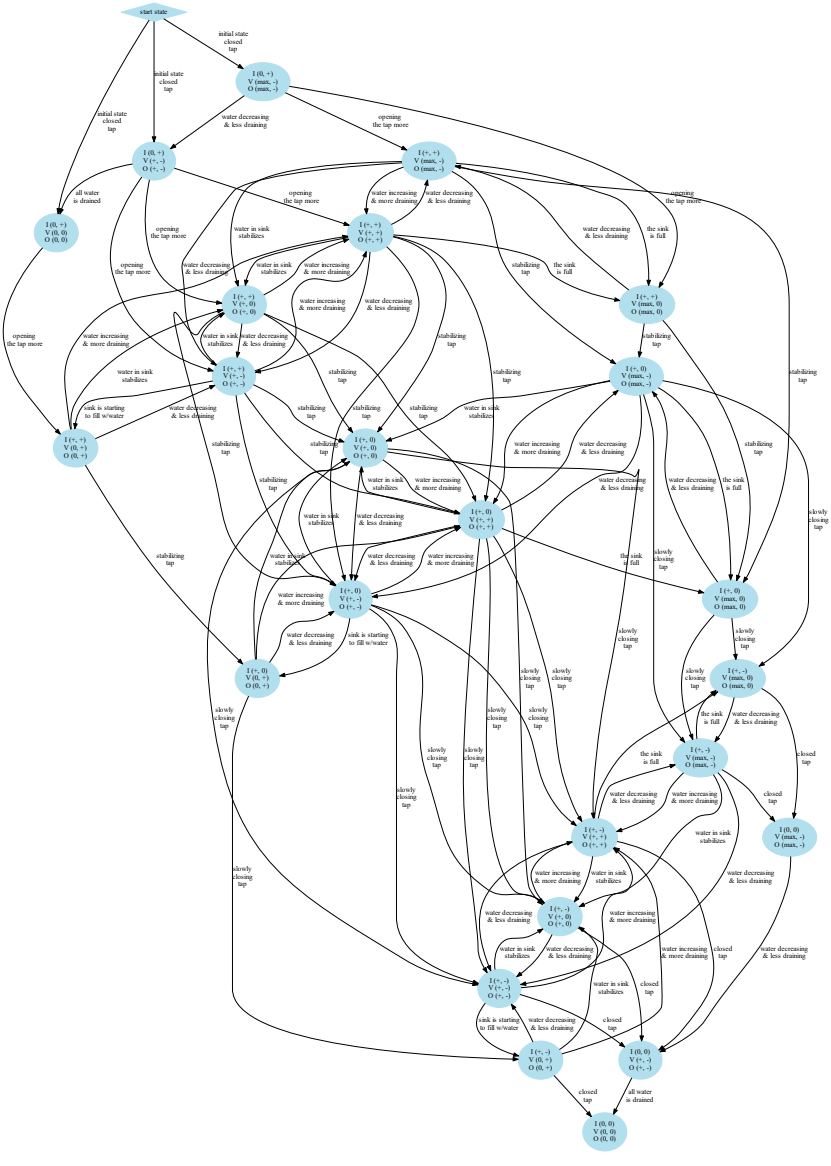
start state
initial state closed tap
I (0, +) V (max, -) O (max, -)
I (0, +) V (+, -) O (+, -)
I (+, +) V (max, -) O (max, -)
I (0, 0) V (0, 0) O (0, 0)
I (+, +) V (+, +) O (+, +)
I (+, +) V (+, 0) O (+, 0)
I (+, +) V (max, 0) O (max, 0)
I (+, +) V (+, -) O (+, -)
I (0, +) V (0, +) O (0, +)
I (+, 0) V (+, 0) O (+, 0)
I (+, 0) V (+, +) O (+, +)
I (+, 0) V (max, -) O (max, -)
I (+, 0) V (max, 0) O (max, 0)
I (+, 0) V (0, +) O (0, +)
I (+, -) V (+, -) O (+, -)
I (+, -) V (max, -) O (max, -)
I (+, -) V (max, 0) O (max, 0)
I (0, 0) V (max, -) O (max, -)
I (+, -) V (+, +) O (+, +)
I (+, -) V (+, 0) O (+, 0)
I (+, -) V (+, -) O (+, -)
I (+, -) V (0, +) O (0, +)
I (0, 0) V (+, -) O (+, -)
I (0, 0) V (0, 0) O (0, 0)
all water is drained
opening the tap more
water decreasing & less draining
water increasing & more draining
water in sink stabilizes
stabilizing tap
the sink is full
slowly closing tap
closed tap
sink is starting to fill w/water