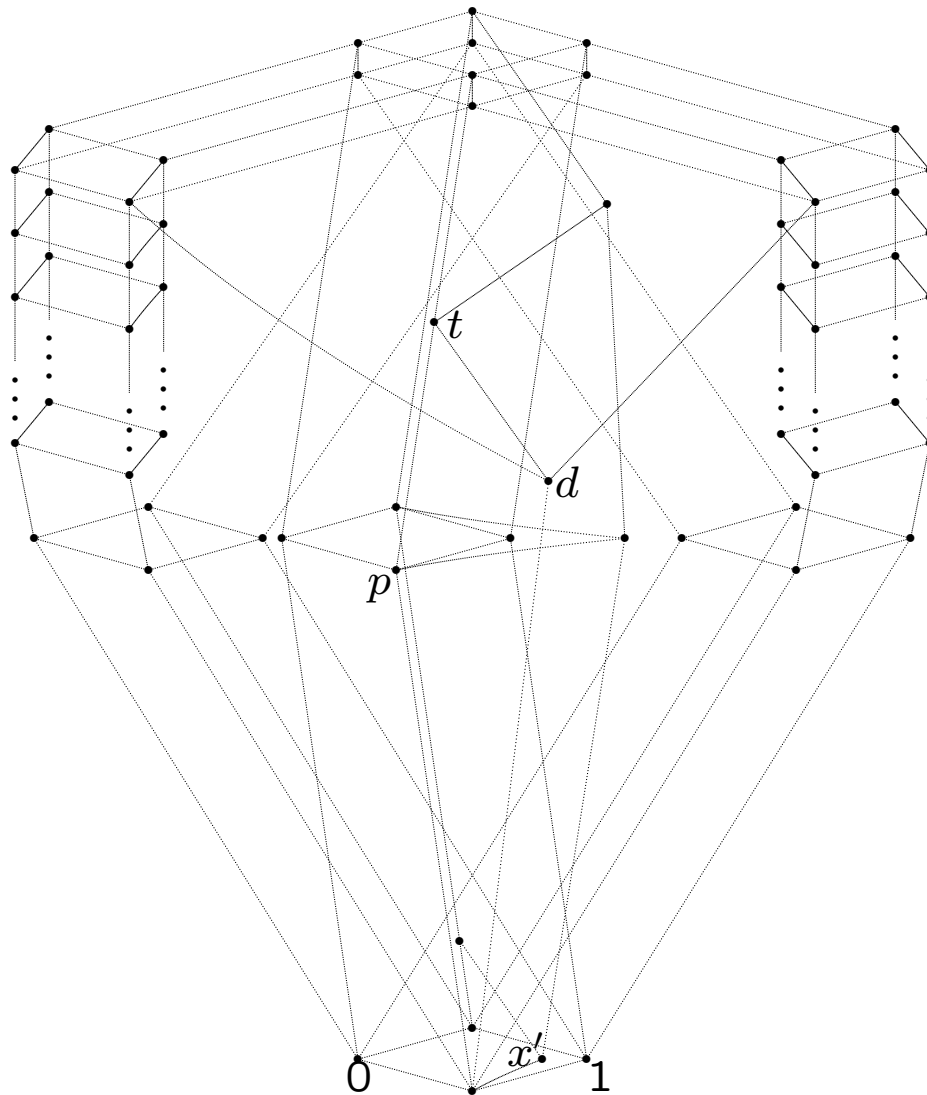# Clones on the set $\{0, 1\}$

E. Post (1920, 1941)

Post's Lattice

Notation:

$x \vee y, x \wedge y, x', 0, 1$: the Boolean operations
join, meet, complement, 0, 1

$$m_n(x_1, \ldots, x_n) = \bigvee_{1 \leq i < j \leq n} (x_i \wedge x_j):$$
n-ary near unanimity

$$m_\infty(x, y, z) = x \vee (y \wedge z)$$

$$t(x, y, z) = x \vee (y \wedge z')$$

$$p(x, y, z) = x + y + z: \text{ ternary addition mod 2}$$