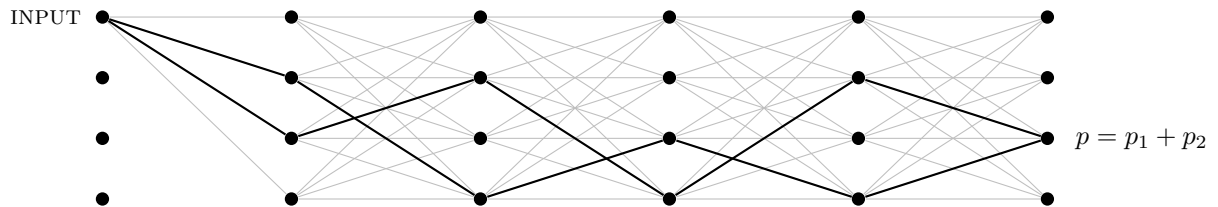
INPUT
$p = p_1 + p_2$