

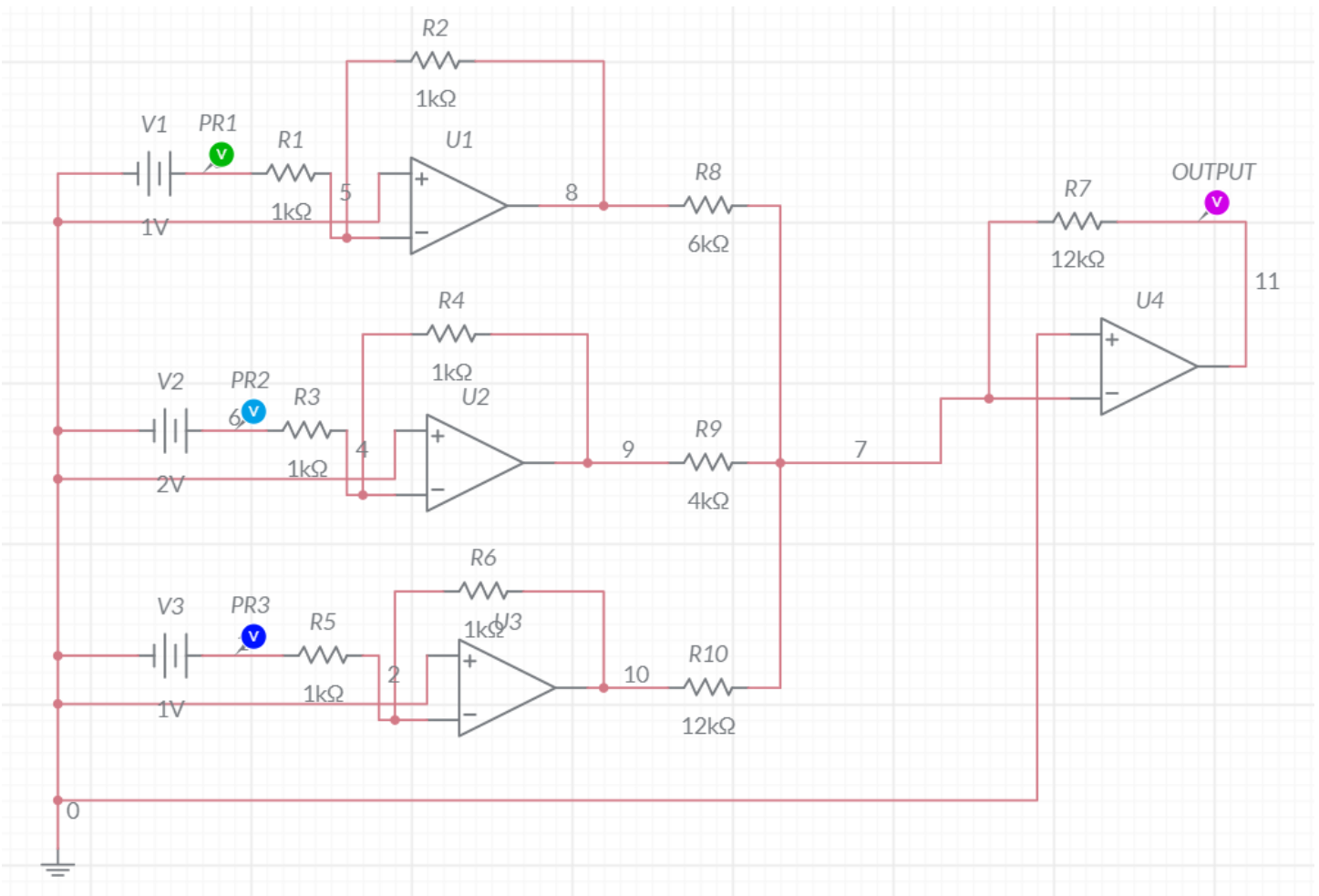
Design a circuit using OPAMPs to produce

$$V_o = 2 \cdot V_1 + 3 \cdot V_2 + V_3,$$

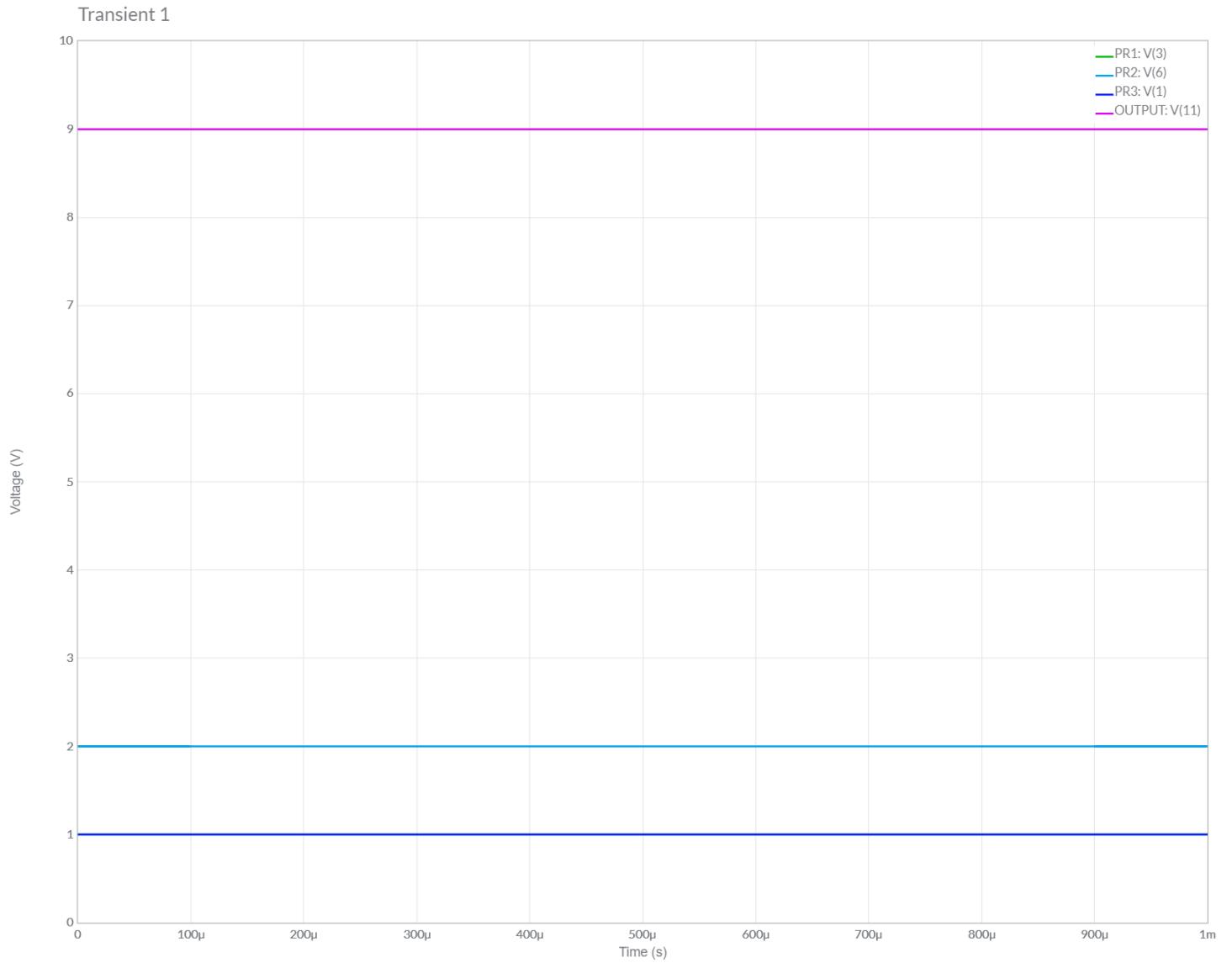
where V_1 and V_2 and V_3 are three positive input voltages and V_o is the output. Simulate your design for $V_1=1$, $V_2=2$, and $V_3=1$.

SIMULATION SCREENSHOTS

Circuit Diagram of OPAMP

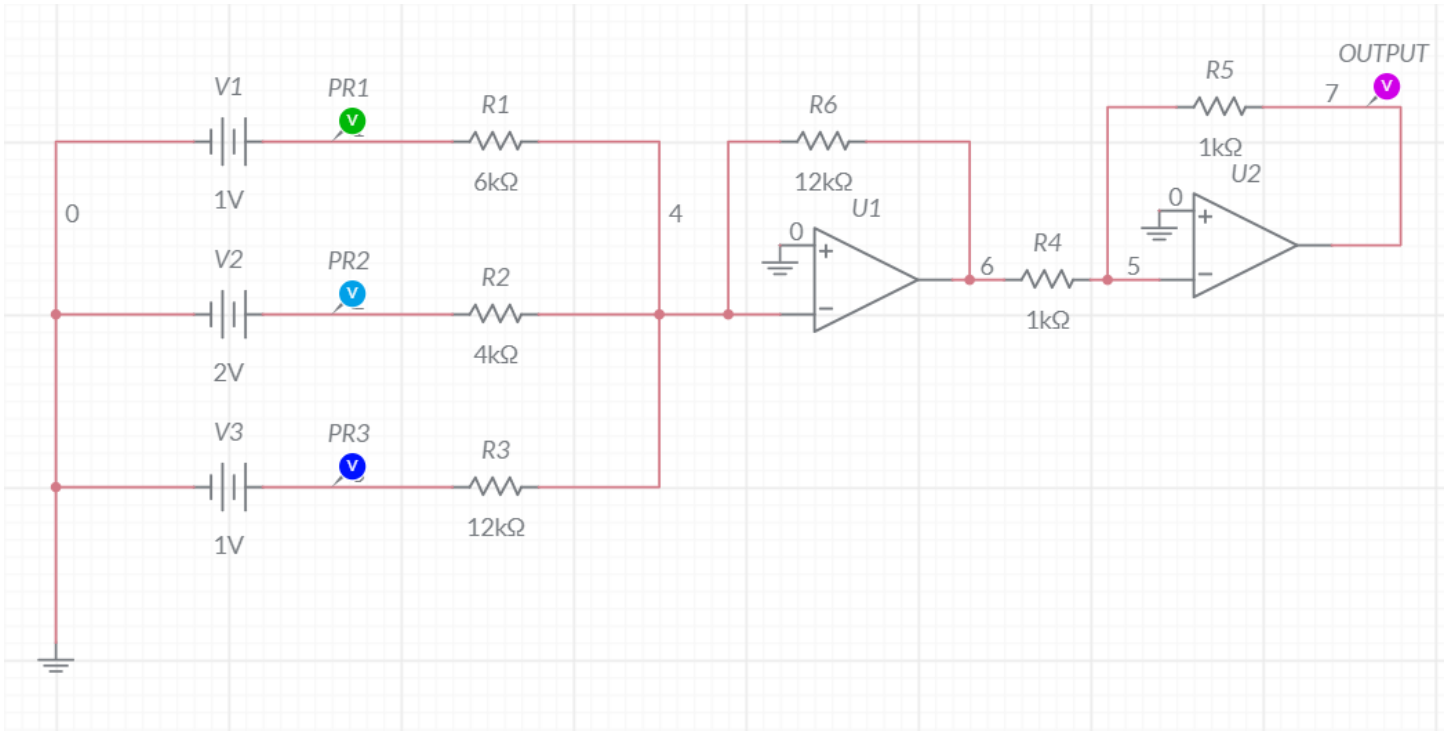


Grapher Image



SIMULATION SCREENSHOTS

Circuit Diagram of OPAMP [Optimized]



Grapher Image [OPAMP Optimized Approach]

