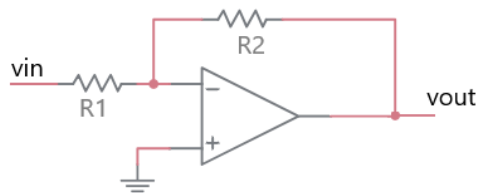


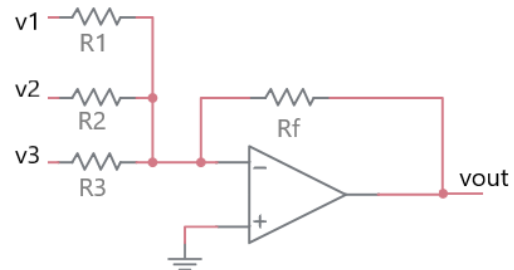


Circuits with opamps and resistors

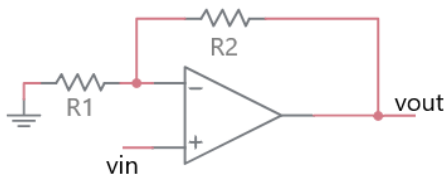
Determine the gain (v_{out}/v_{in}) for circuits 001 and 003. Compute v_{out} in terms of v_1, v_2, v_3 for circuits 002 and 004.



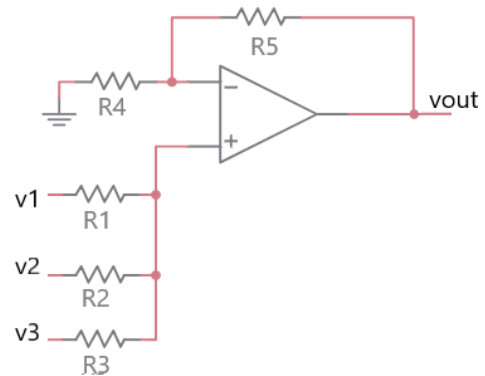
001



002



003

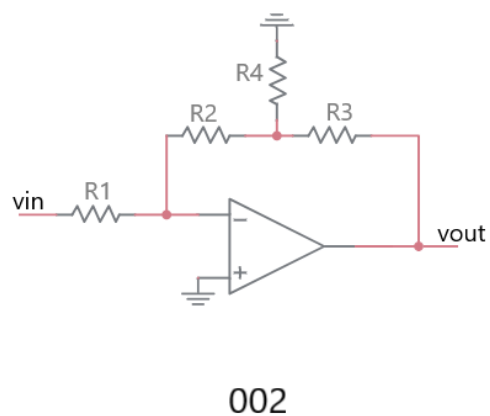
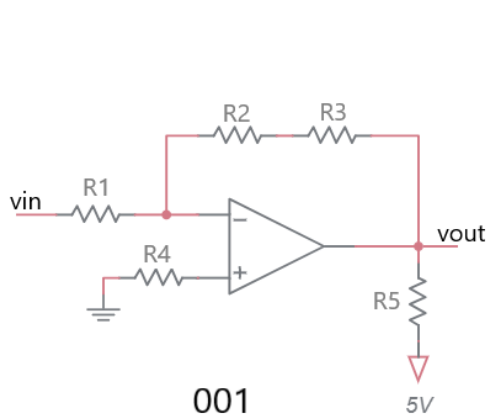


004

| Circuit | Gain or vout |
|---------|--------------|
| 001 | |
| 002 | |
| 003 | |
| 004 | |

Circuits with opamps and resistors

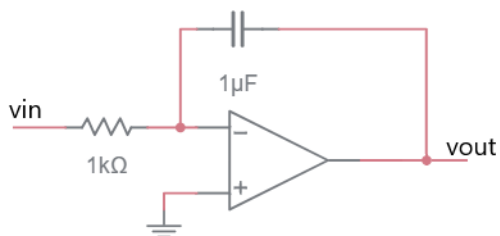
Determine the gain (v_{out}/v_{in}) for the following circuits.



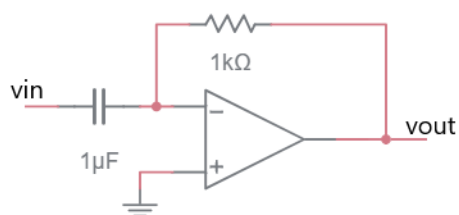
| Circuit | Gain |
|---------|------|
| 001 | |
| 002 | |

Circuits with opamps, capacitors and resistors

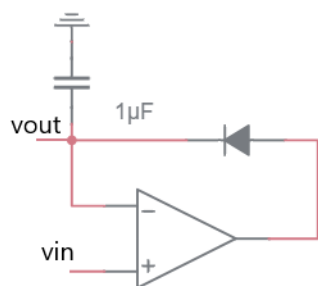
For each of the circuits, plot v_{out} in terms of the input signal (in green) given.



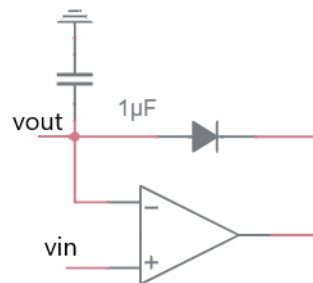
001



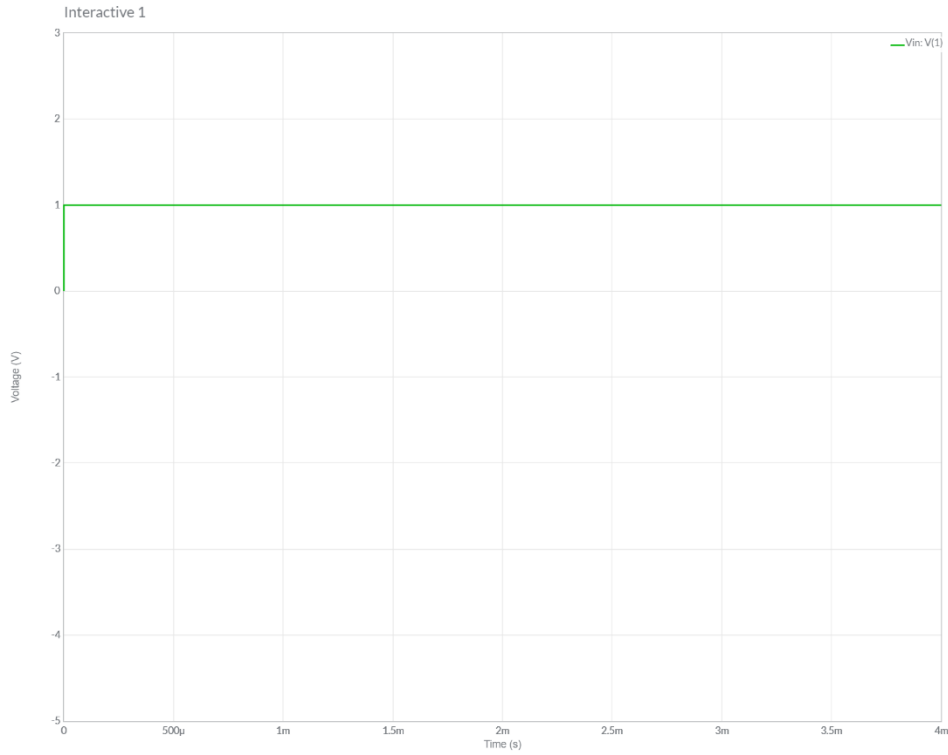
002



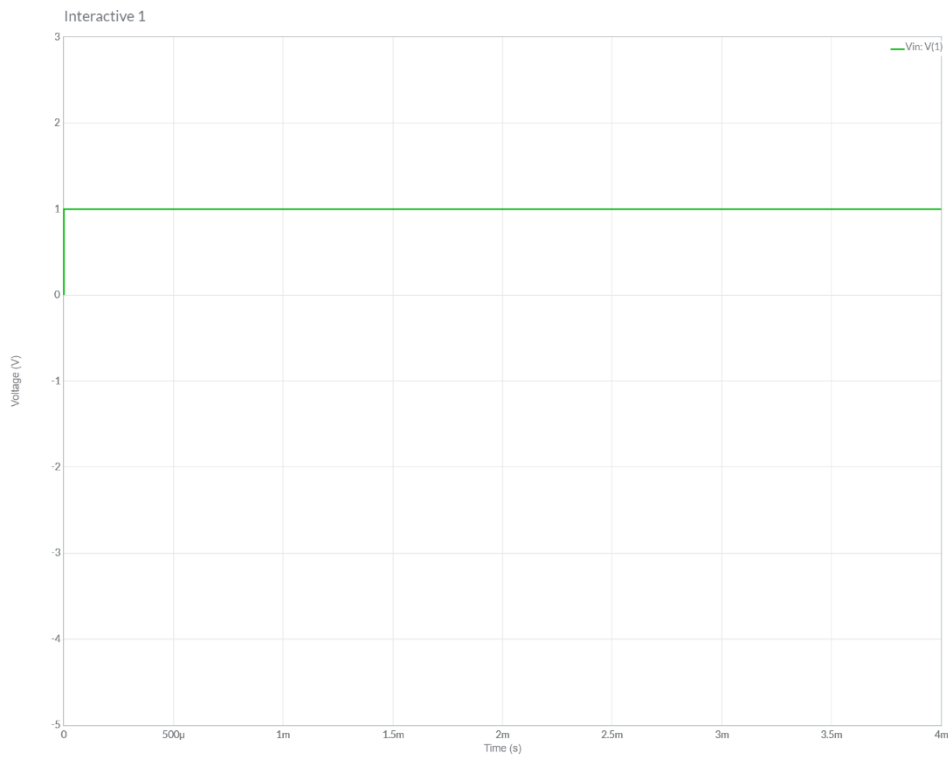
003



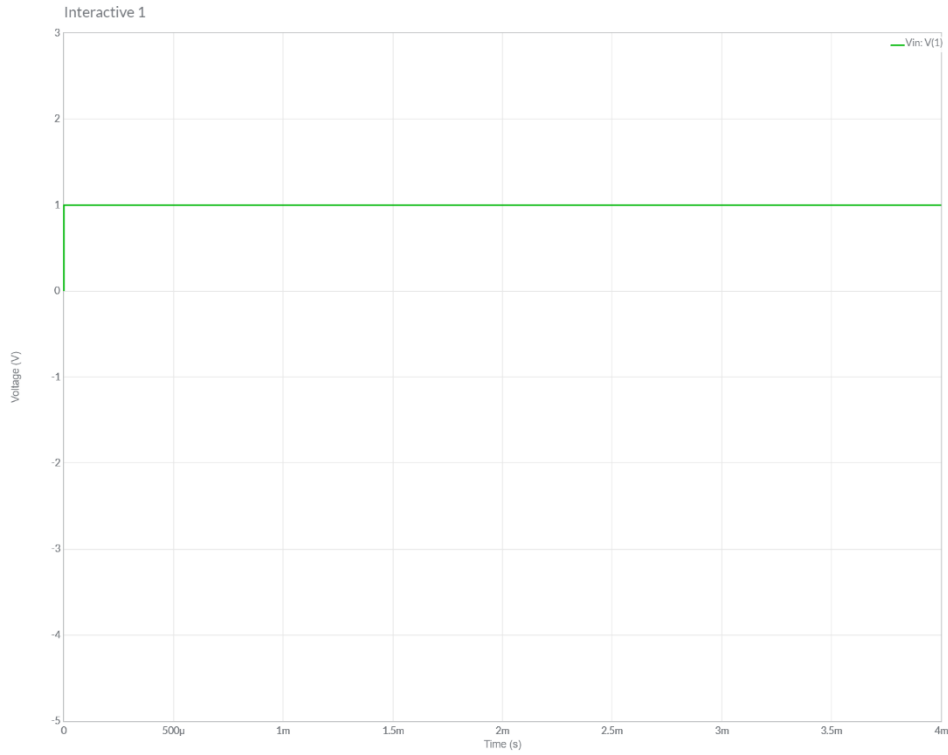
004



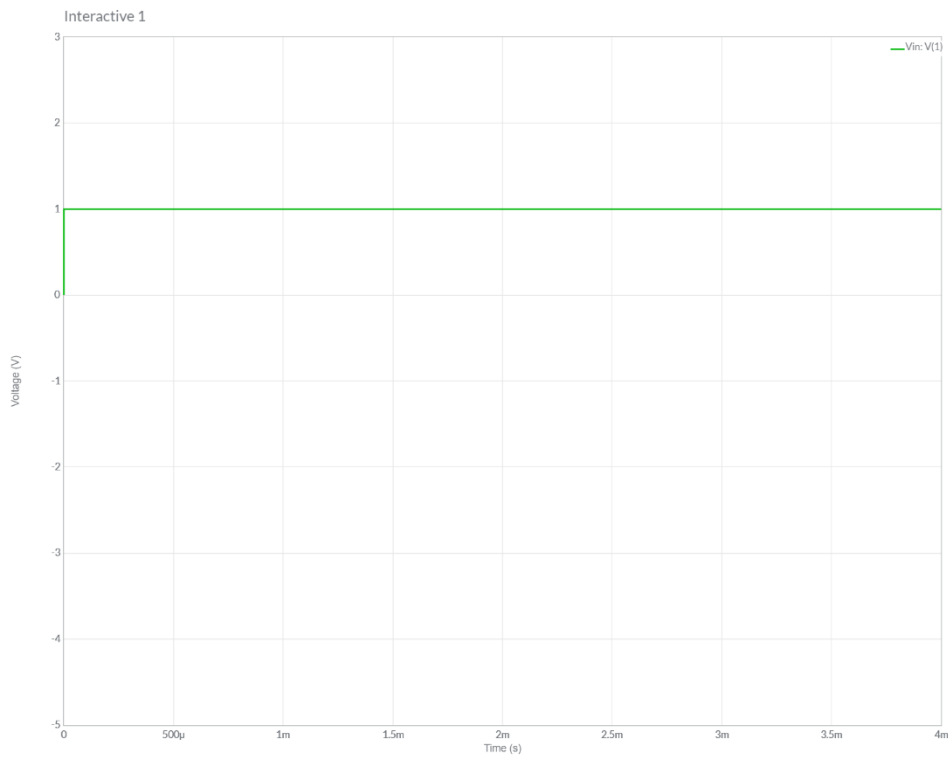
Plot v_{out} for the circuit labeled 001.



Plot v_{out} for the circuit labeled 002.



Plot v_{out} for the circuit labeled 003.



Plot v_{out} for the circuit labeled 004.