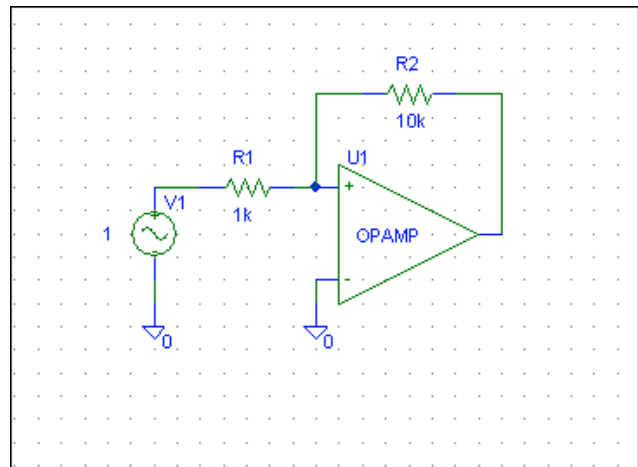


**In both circuits the ORCAD/PSpice ideal opamp model is used
(gain 1E5, output limitation +/-12 volts)**

Circuit 1: According to several simulations (operating point, DC, AC, TRAN) this circuit works as an inverting amplifier with a gain of 20 dB.

False or true?



Circuit 2: Loop gain simulations (AC) show that the oscillation condition is fulfilled at $f=1$ kHz.

This is confirmed by a TRAN analysis which show selfsustained oscillations with a constant amplitude of 400 mV. False or true?

May this “circuit” be called “oscillator”?

