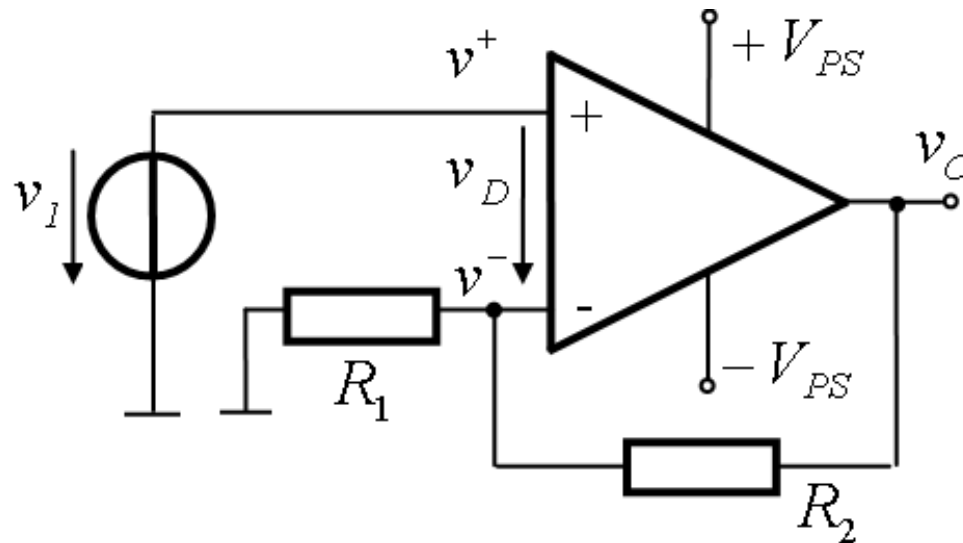
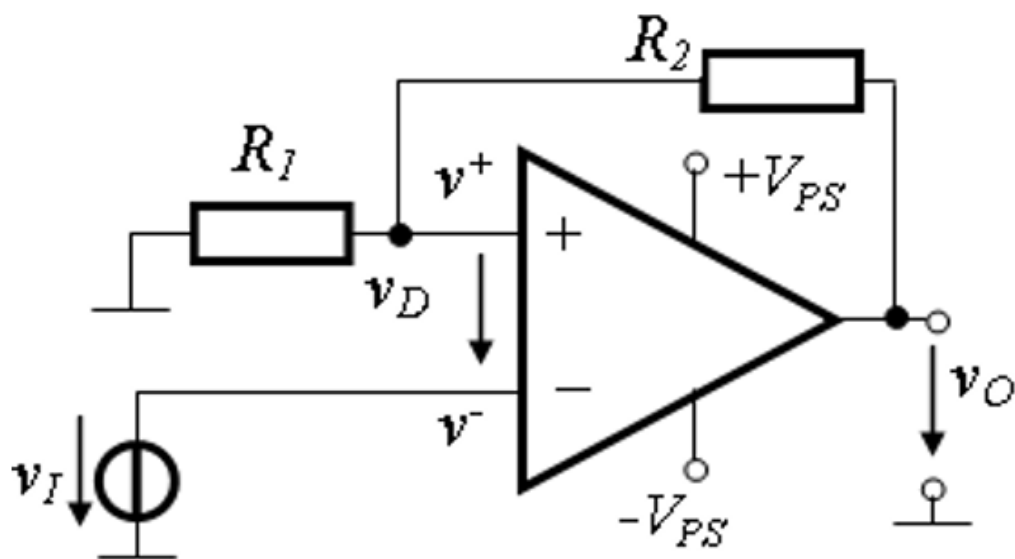


Q1



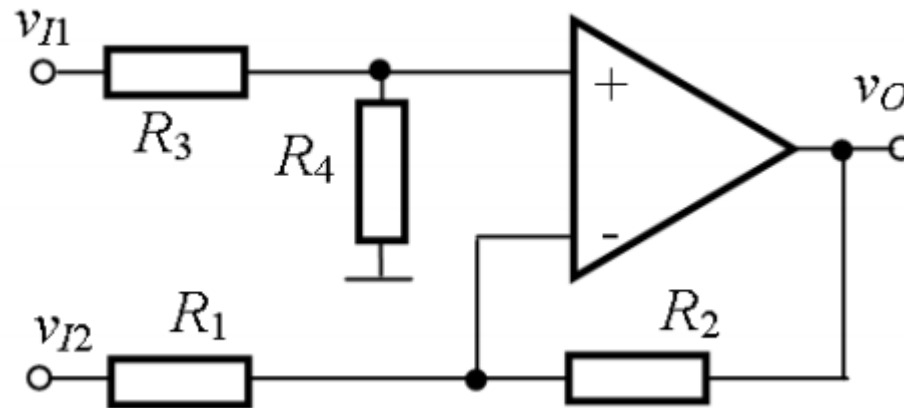
- a) Hysteresis comparator, non-inverting, symmetric threshold voltages
- b) Simple comparator, non-inverting,  $V_{Th} = 0$
- c) Amplifier, non-inverting
- d) Hysteresis comparator, non-inverting, asymmetric threshold voltages

Q2



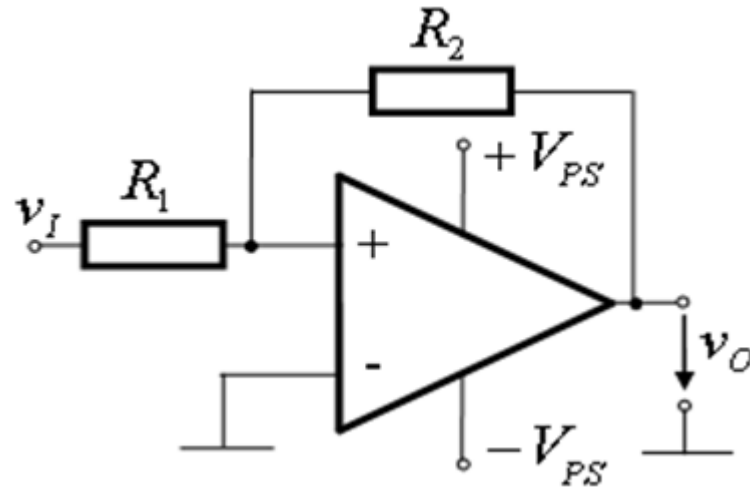
- a) Hysteresis comparator, inverting, symmetric threshold voltages
- b) Simple comparator, inverting,  $V_{Th} = 0$
- c) Amplifier, inverting
- d) Hysteresis comparator, inverting, asymmetric threshold voltages

Q3



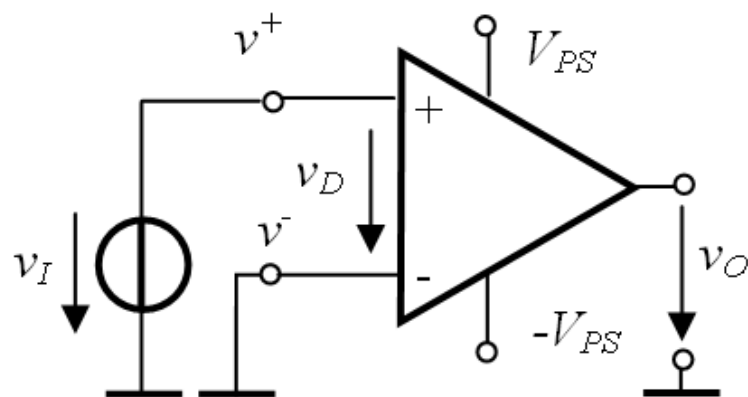
- a) Hysteresis comparator, non-inverting, symmetric threshold voltages
- b) Amplifier, non-inverting
- c) Summing amplifier, inverting
- d) Differential amplifier

Q4



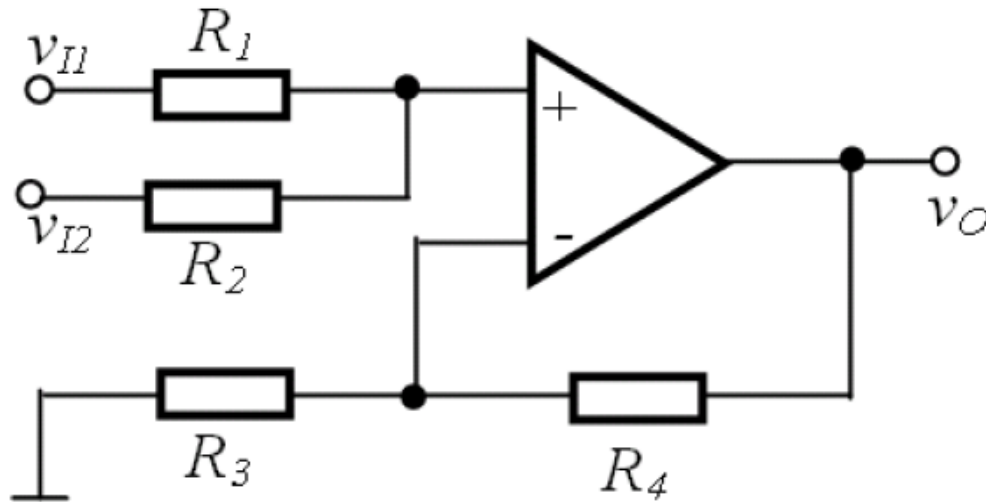
- a) Hysteresis comparator, non-inverting, asymmetric threshold voltages
- b) Hysteresis comparator, non-inverting, symmetric threshold voltages
- c) Amplifier, non-inverting
- d) Simple comparator, non-inverting,  $V_{Th} = 0$

Q5



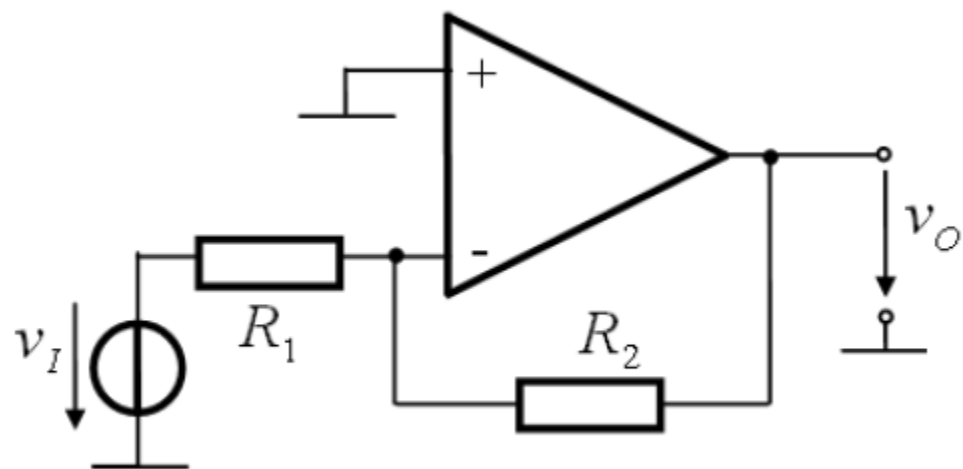
- a) Simple comparator, non-inverting,  $V_{Th} \neq 0$
- b) Hysteresis comparator, non-inverting, symmetric threshold voltages
- c) Amplifier, non-inverting
- d) Simple comparator, non-inverting,  $V_{Th} = 0$

Q6



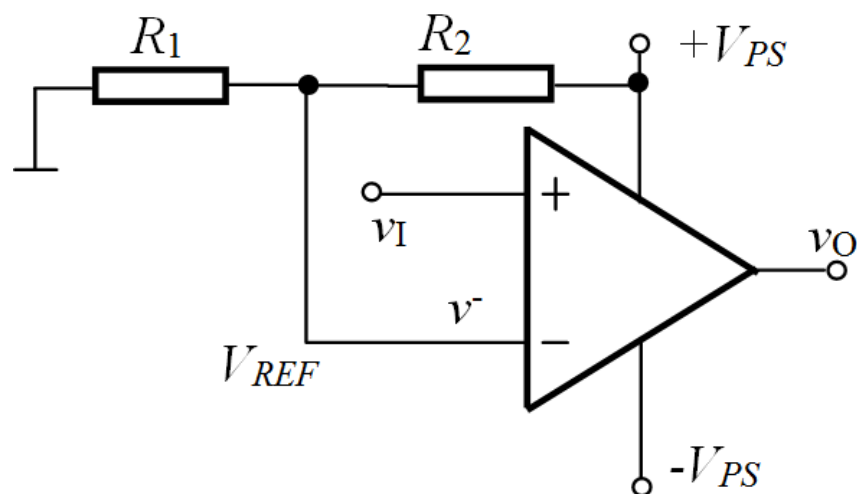
- a) Simple comparator, non-inverting,  $V_{Th} \neq 0$
- b) Differential amplifier
- c) Amplifier, non-inverting
- d) Summing amplifier, non-inverting

Q7



- a) Simple comparator, inverting,  $V_{Th} = 0$
- b) Amplifier, inverting
- c) Hysteresis comparator, inverting, symmetric threshold voltages
- d) Hysteresis comparator, inverting, asymmetric threshold voltages

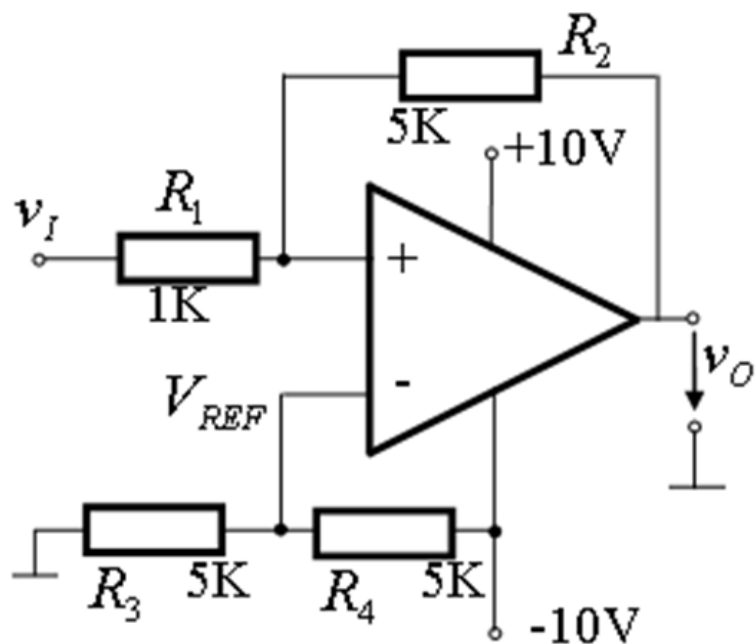
Q8



- a) Simple comparator, non-inverting,  $V_{Th} = 0$
- b) Hysteresis comparator, non-inverting, symmetric threshold voltages
- c) Simple comparator, non-inverting,  $V_{Th} \neq 0$
- d) Hysteresis comparator, non-inverting, asymmetric threshold voltages

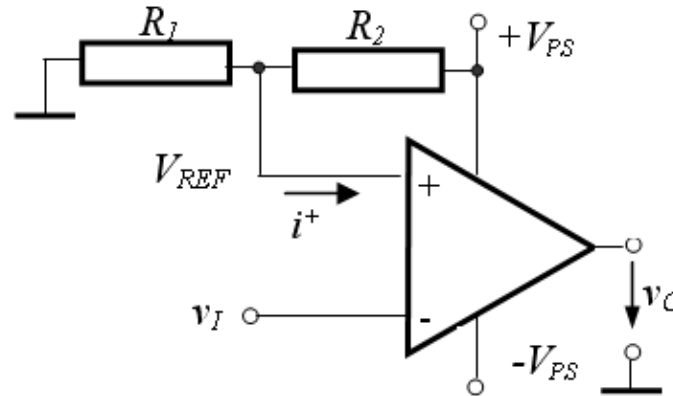


Q9



- a) Simple comparator, non-inverting,  $V_{Th} = 0$
- b) Hysteresis comparator, non-inverting, symmetric threshold voltages
- c) Simple comparator, non-inverting,  $V_{Th} \neq 0$
- d) Hysteresis comparator, non-inverting, asymmetric threshold voltages

Q10



- a) Simple comparator, inverting,  $V_{Th} \neq 0$
- b) Hysteresis comparator, inverting, symmetric threshold voltages
- c) Simple comparator, inverting,  $V_{Th} = 0$
- d) Differential amplifier