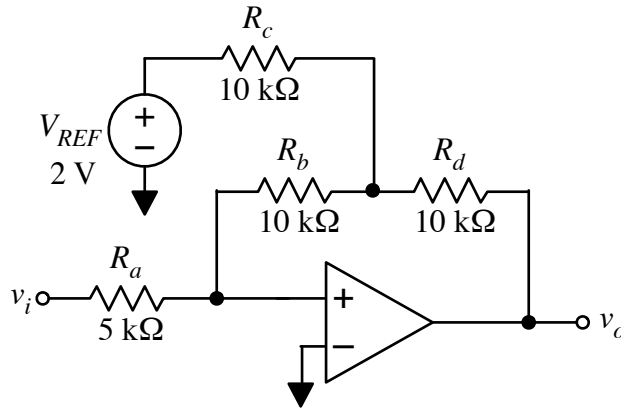A slightly modified version of a non-inverting comparator with positive feedback is shown below. The op amp has output saturation limits at $V_{L+} = 6$ V and $V_{L-} = -6$ V.

Calculate V_{TL} and V_{TH} for the comparator.

R_c

10 kΩ

V_{REF}
2 V

R_b

10 kΩ

R_d

10 kΩ

R_a

v_i

5 kΩ

v_o

$V_{TL} =$ _____

$V_{TH} =$ _____