$$K = 10^3$$
 = 1000

$$R_1 = 1M$$
 = 1000000

$$R_2 = 100K$$
 = 100000

$$R_3 = 100K$$
 = 100 000

$$V_{esp32} = 3.3 \qquad = 3.3 \quad \boxed{\Box}$$

$$V_{piezo} = -20$$
 = -20

$$I_{esp32} = \frac{V_{esp32}}{R_2} = 3.3 \times 10^{-5}$$

$$I_{piezo} = \frac{V_{piezo}}{R_1}$$
 = -2×10^{-5}

$$R_{eq} = \frac{R_1 R_2 R_3}{R_1 R_2 + R_1 R_3 + R_2 R_3} = 47619.04762 \quad \Box$$

$$V_{out} = I_{tot}R_{eq}$$
 = 0.619047619