

N_{I_1}

λ

N_{O_1}

V_{I_1}

i_1

i_x^{\wedge}
 V_{I_2}

i_2

A_c

N_{O_2}

N_{I_2}

A_3

N_O

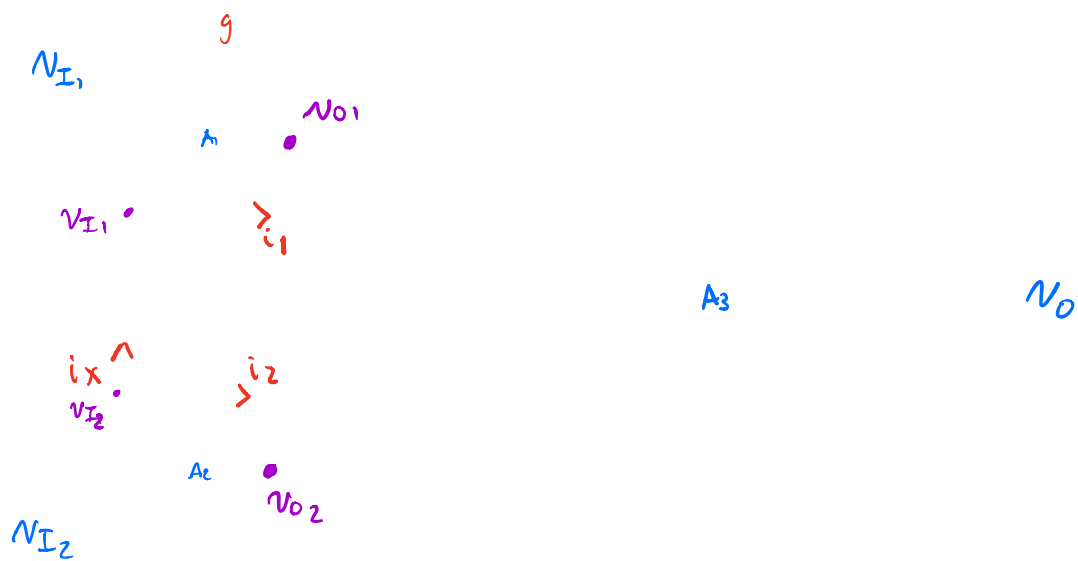
By KCL:
 $i_x = i_1$
 $i_x = -i_2$

no gain

→ large gain

no gain

→ large gain



$$V_O = \frac{R_4}{R_3} \left(1 + \frac{R_2}{R_1} \right) V_{ID}$$

$1 + \frac{R_2}{R_1} = \text{large}$

Example: