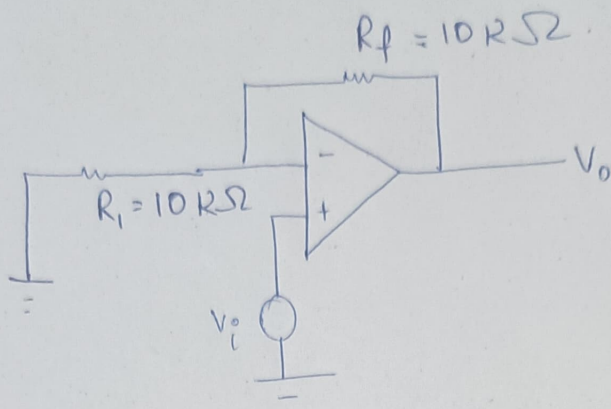


→ for non inverting amplifier of gain-2.



$$\text{So gain} = \left(1 + \frac{R_f}{R_1}\right) = \frac{V_o}{V_i} = \left(1 + \frac{10K}{10K}\right) = 2.$$

So we are using same same R_f & R_1 $R_f = R_1 = 10K$.

→ input channel
as in the channels (from channel V[m009])

The input square wave is

Swinging from 899.99 mV ~ 900 mV.
= 0.9V

to
1.1 V.

input amplitude
1.1 - 0.9 = 0.2 V.

from channel V[m007] output channel

the square wave is

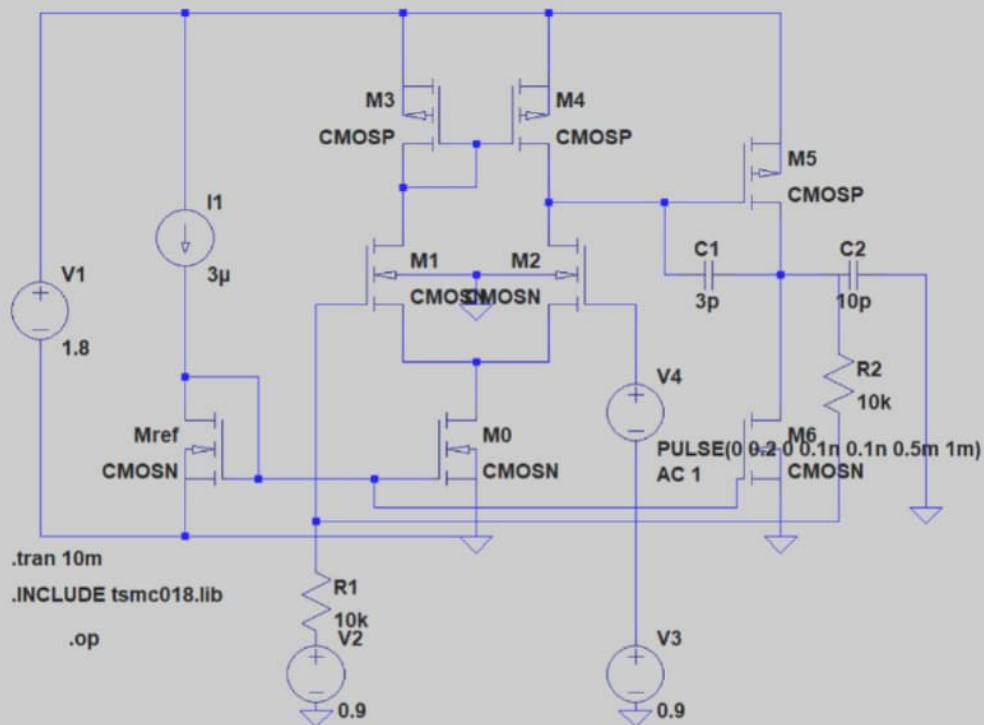
Swinging from

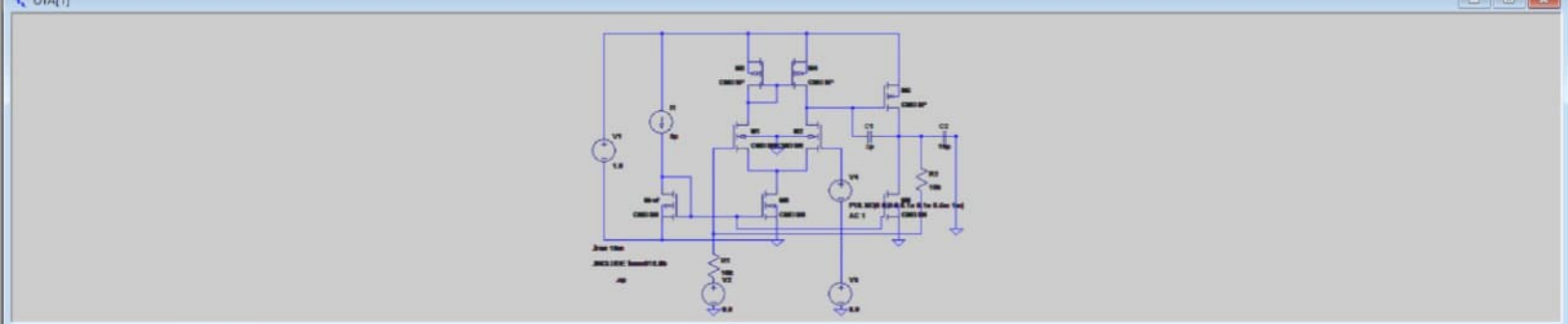
1.296V to 900.625 mV.

1.296 - 0.900625

= 0.395375
= 0.395.

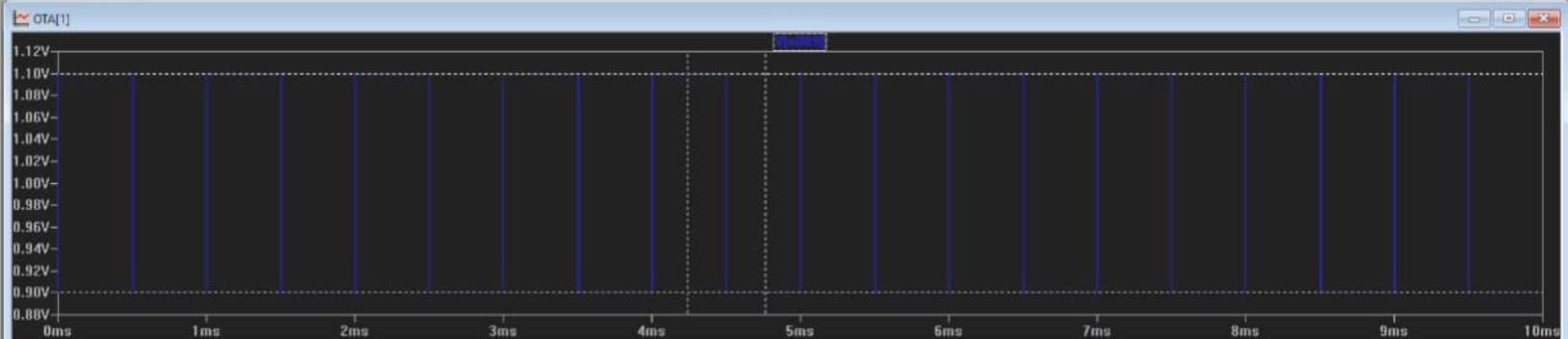
$$\frac{V_o}{V_{im}} = \frac{0.395}{0.2} = 1.975 \sim 2.$$



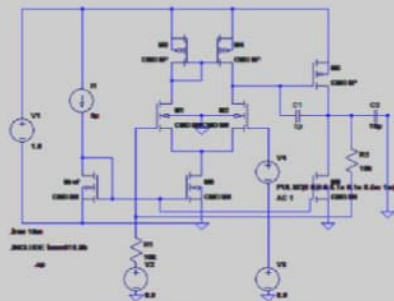




OTA[1] OTA[1]



OTA[1]



OTA[1]

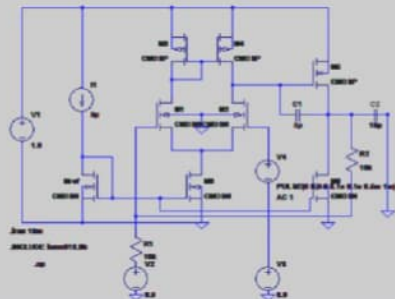
Cursor 1	V(n009)
Horz: 4.2413793ms	Vert: 1.1V
Cursor 2	V(n009)
Horz: 4.7655172ms	Vert: 0.999999mV
Diff (Cursor2 - Cursor1)	
Horz: 524.13793µs	Vert: -200.00005mV
Freq: 1.9078947KHz	Slope: -381.579



OTA[1]



OTA[1]



OTA[1]

Cursor 1	V(n007)
Horz: 4.2413793ms	Vert: 1.2968189V
Cursor 2	V(n007)
Horz: 4.7855172ms	Vert: 900.62571mV
Diff (Cursor2 - Cursor1)	
Horz: 524.13793μs	Vert: -396.19279mV
Freq: 1.9078847KHz	Slope: -755.894