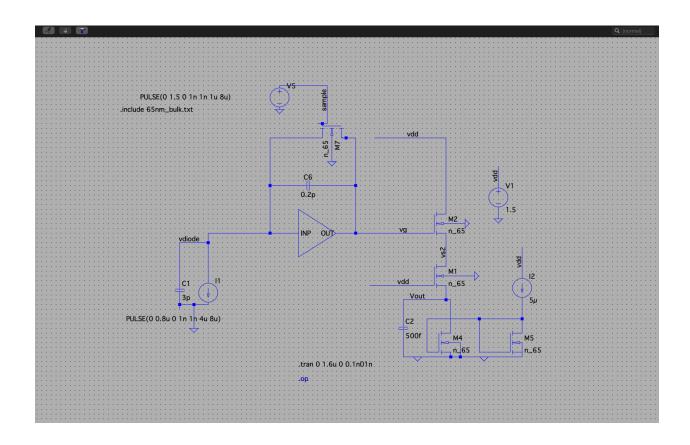
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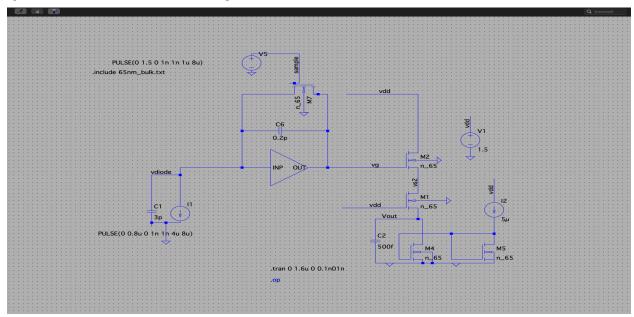
Group Member:Krrish Kumar(23EE10033) Kushagra Poonia(23EE10036)

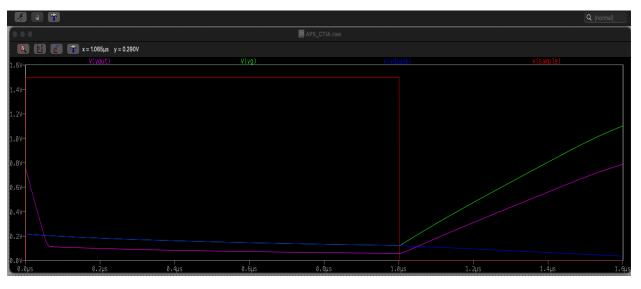
Assignment 4: CTIA APS Simulation

Circuit Diagram:



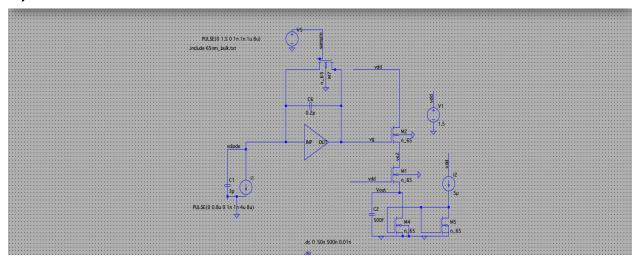
i) Transient analysis:

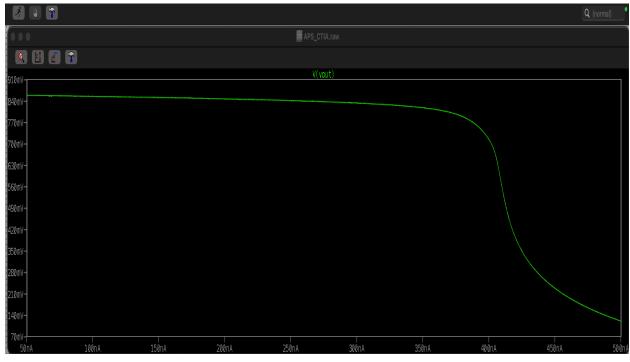




vout(pink),vsample(red),vg(green),vdiode(blue)

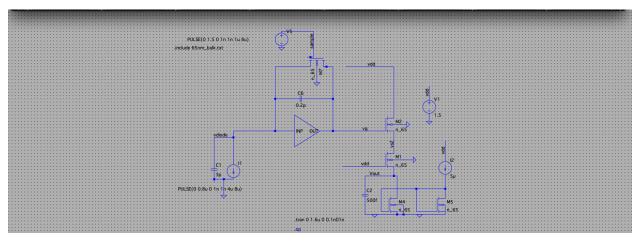
ii)Vout vs lin:

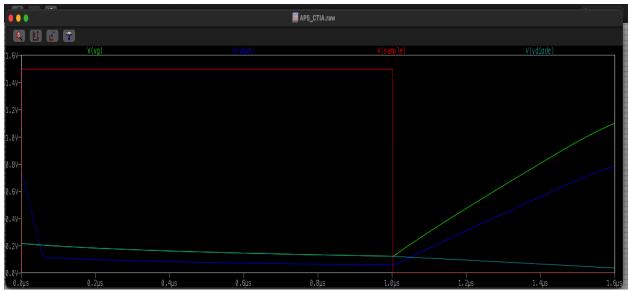




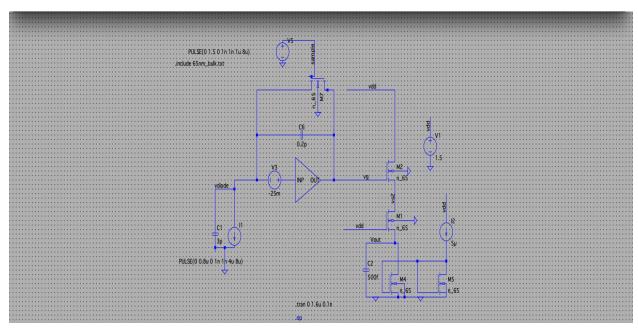
iii)Effect of 25mV change in the Vt of input device on the Vstart.

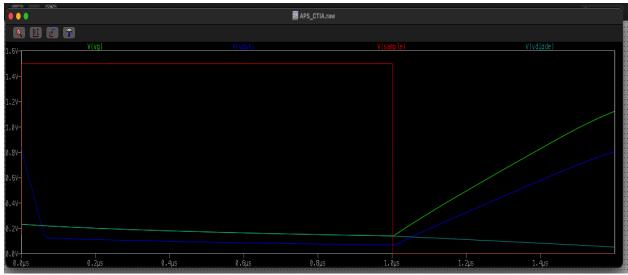
• Without addition:





• With -25mV addition to the input signal:





• With +25mV addition to the input signal:

