

Microelectronic Circuits Assignment 1

Sai Kartik, Manpreet Singh, Rajeev Rajagopal

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Question 1

Value of components (resistor/capacitor) present in the circuit:

Sl. No.	Component Name	Value
1	R1(k Ω)	15k Ω
2	C1 (nF)	1nF

Circuit as on LT SPICE

Graphs

Miscellaneous calculations

Question 2

Value of components (resistors/gain) present in the circuit

Sl. No.	Component Name	Value
1	R1(k Ω)	30k Ω
2	R2(k Ω)	17k Ω
3	R3(k Ω)	30k Ω
4	k	18

Circuit as on LT SPICE

Z, Y and h Parameters

Calculations

Load resistance value at port 2