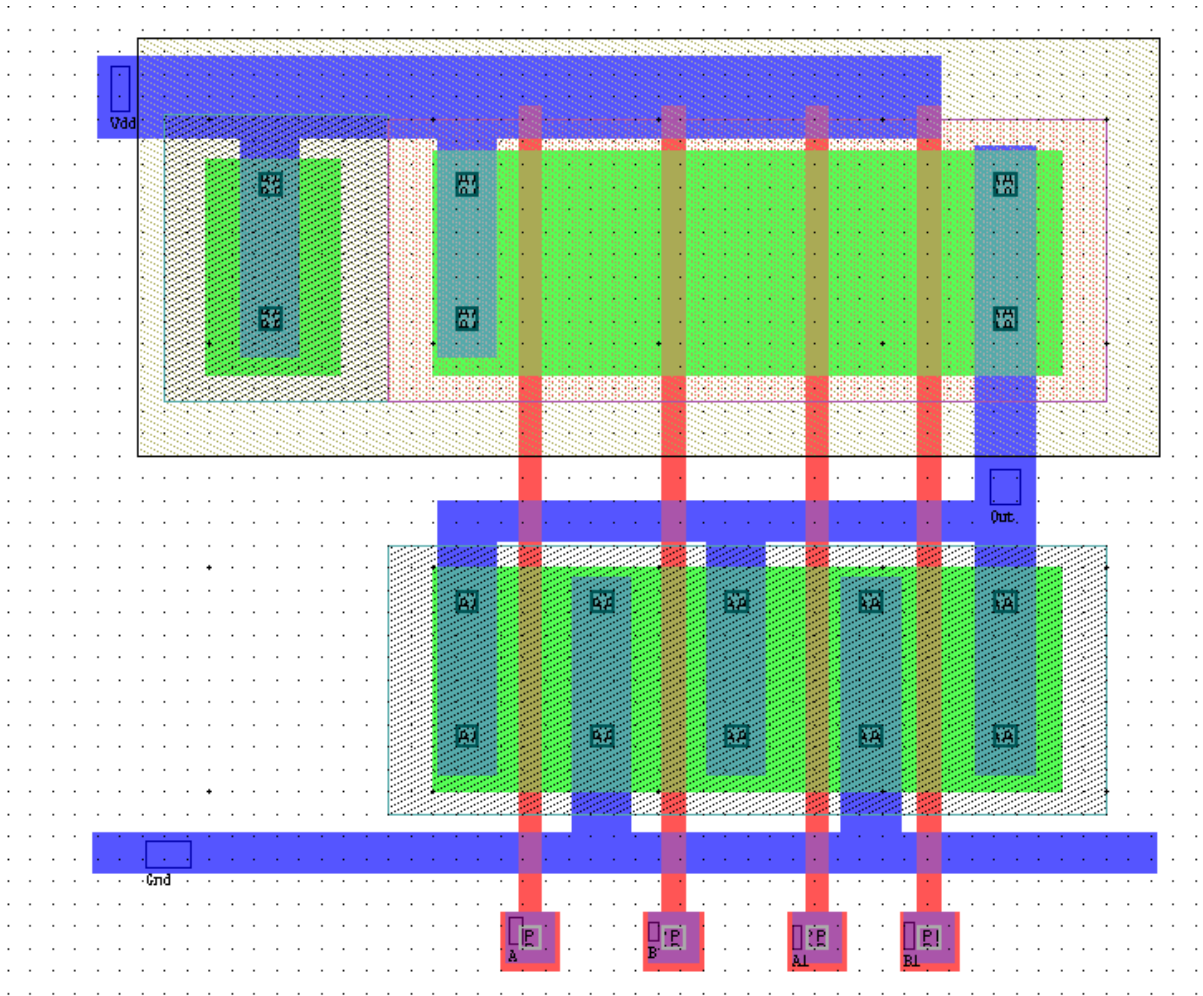


**ZEYNEP SAKLI**

**160207013**

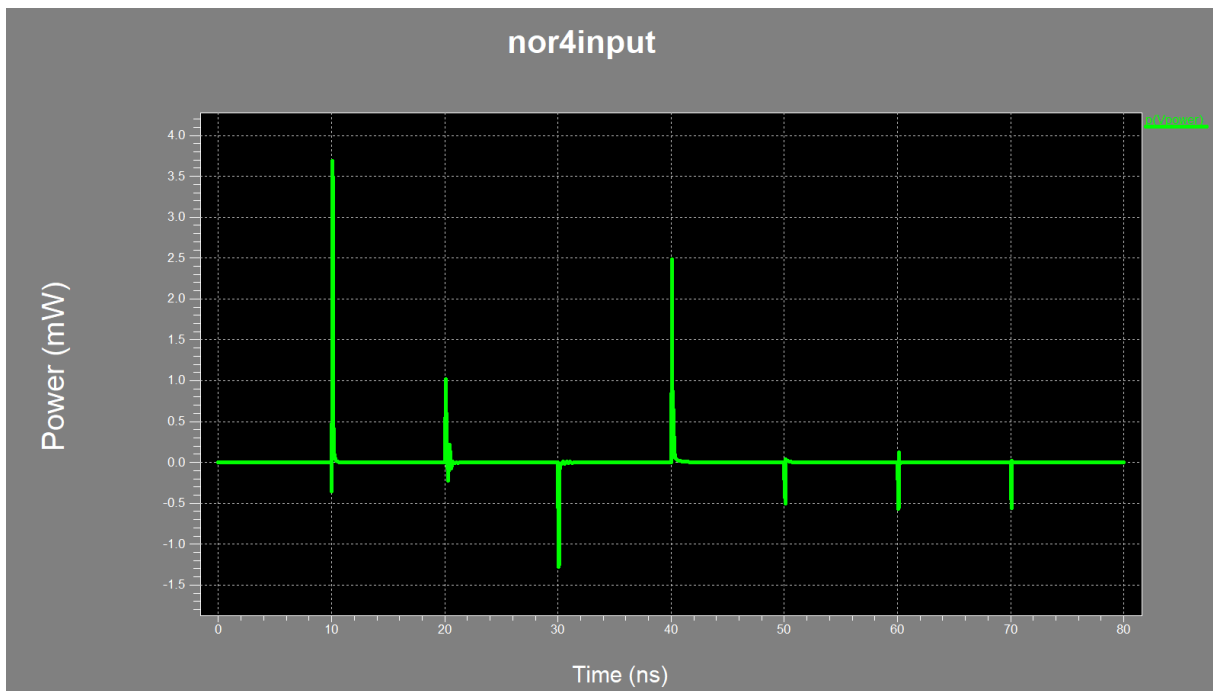
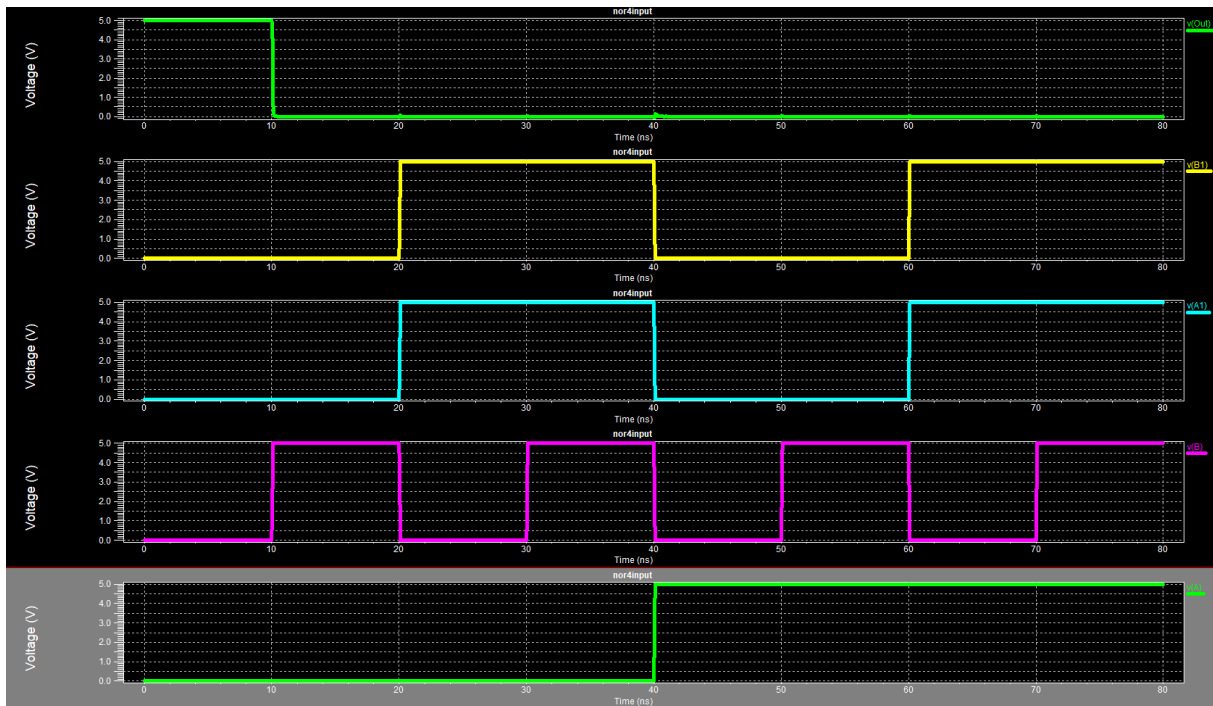
**4 GİRİŞLİ NOR GATE L-EDIT TASARIMI, T-SPICE KODU, W-EDIT ÇIKTISI VE  
GÜÇ TÜKETİM GRAFİĞİ**



```

* Total Nodes: 11
* Total Elements: 8
* Total Number of Shorted Elements not written to the SPICE file: 0
* Output Generation Elapsed Time: 0.001 sec
* Total Extract Elapsed Time: 0.706 sec
Vpower Vdd Gnd 5V
VA A Gnd dc 0 BIT ({00001111} pw=10n lt=10n ht=10n on=5 off=0 rt=0.1n ft=0.1n delay=0) AC 0 0 ROUND=0
VB B Gnd dc 0 BIT ({01010101} pw=10n lt=10n ht=10n on=5 off=0 rt=0.1n ft=0.1n delay=0) AC 0 0 ROUND=0
VA1 A1 Gnd dc 0 BIT ({00110011} pw=10n lt=10n ht=10n on=5 off=0 rt=0.1n ft=0.1n delay=0) AC 0 0 ROUND=0
VB1 B1 Gnd dc 0 BIT ({00110011} pw=10n lt=10n ht=10n on=5 off=0 rt=0.1n ft=0.1n delay=0) AC 0 0 ROUND=0
.tran 80p 80n start=0
.print tran v(A) v(B) v(A1) v(B1) v(Out)
*print tran p(Vpower) power consumption
*.power Vpower 0n 40n average power consumption, .out file olarak gelir.
.include "C:\Users\Zeynep\Desktop\VLSI_TASARIM_DERSLER\VLSI_tech_files\SCN_0.25u_CMOS.md"
.END

```



### Power Results

Vpower from time 0 to 8e-008

Average power consumed -> 5.567217e-006 watts

Max power 3.683720e-003 at time 1.00856e-008

Min power 1.535659e-010 at time 7.98791e-008