B06501018 朱紹勳

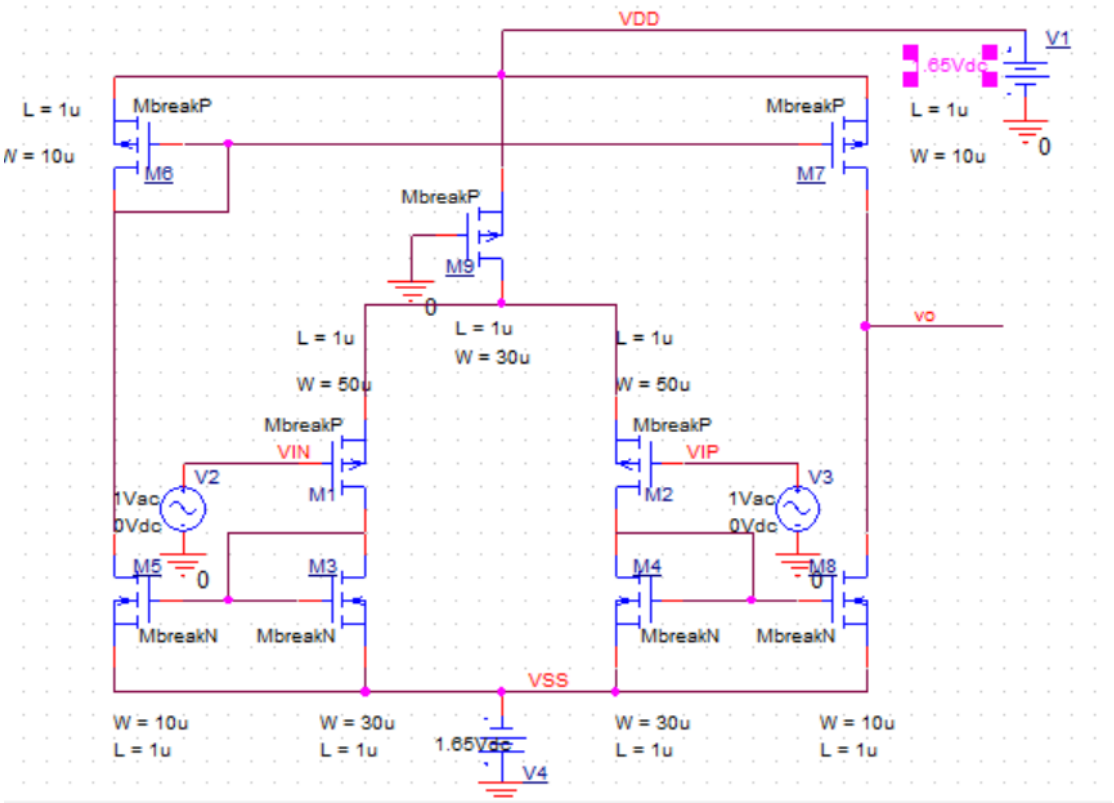
(1) A screen capture like the one above showing your netlist and server calculated results.

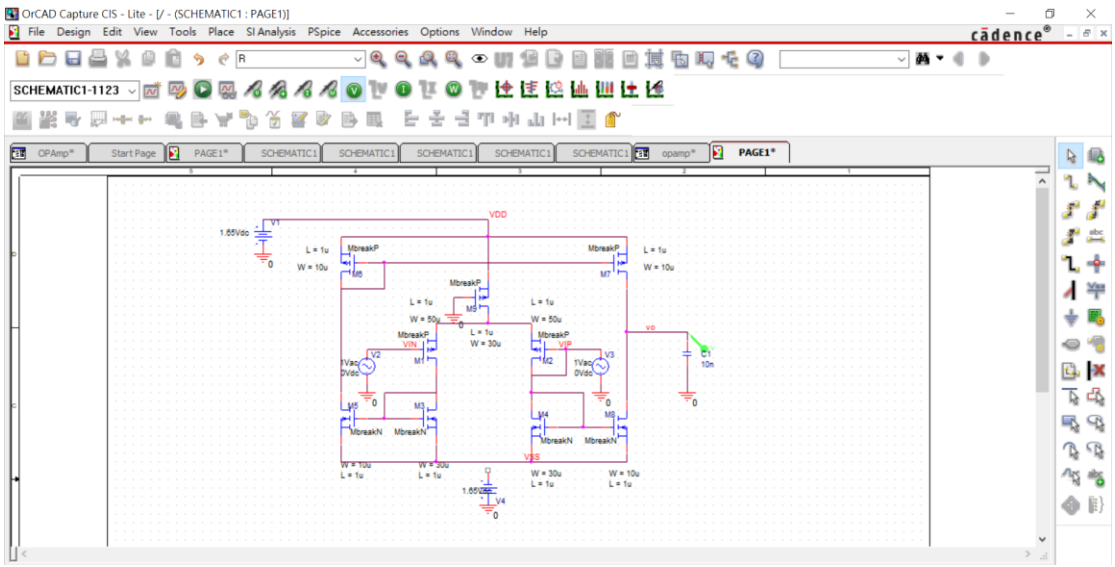
Simulation using the following netlist:

```
* source OPAMP
M_M1 N06096 VIN N05827 N05827 MbreakP L=1u W=50u
M_M2 N06169 VIP N05827 N05827 MbreakP L=1u W=50u
M_M9 N05827 0 VDD VDD MbreakP L=1u W=30u
M_M3 N06096 N06096 VSS VSS MbreakN L=1u W=30u
M_M4 N06169 N06169 VSS VSS MbreakN L=1u W=30u
M_M5 N06280 N06096 VSS VSS MbreakN L=1u W=10u
M_M8 VO N06169 VSS VSS MbreakN L=1u W=10u
M_M6 N06280 N06280 VDD VDD MbreakP L=1u W=10u
M_M7 VO N06280 VDD VDD MbreakP L=1u W=10u
```

```
Power = 2.1032 mW
Gain = 62.8660 V/V
PM = 90.3015 degree
BW = 111.9 kHz
GBW = 7.0347054 MHz
SR+ = 19.27 V/us
SR- = -19.64 V/us
ICMR+ = 0.2500 V
ICMR- = -1.6000 V
Total Area = 690 um^2
Score = 76.4270889655002
```

(2) A schematic you used for simulation in PSPICE.



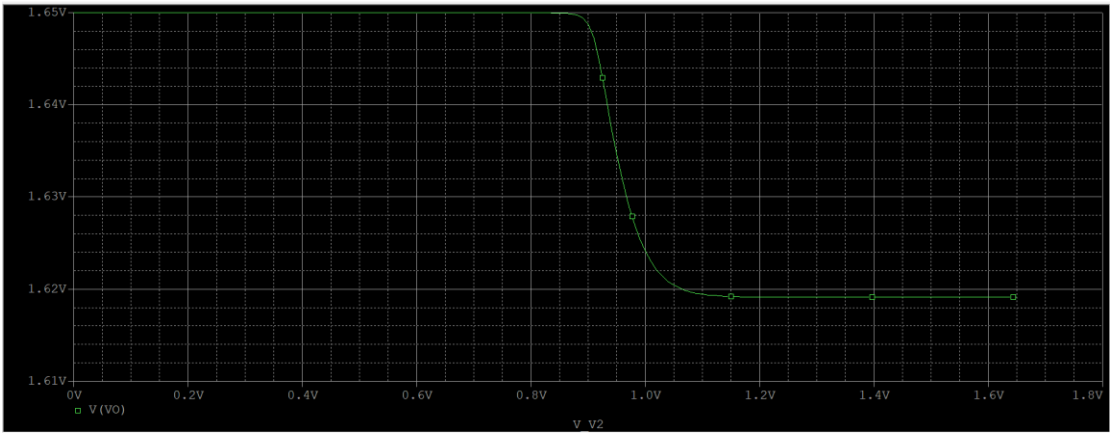


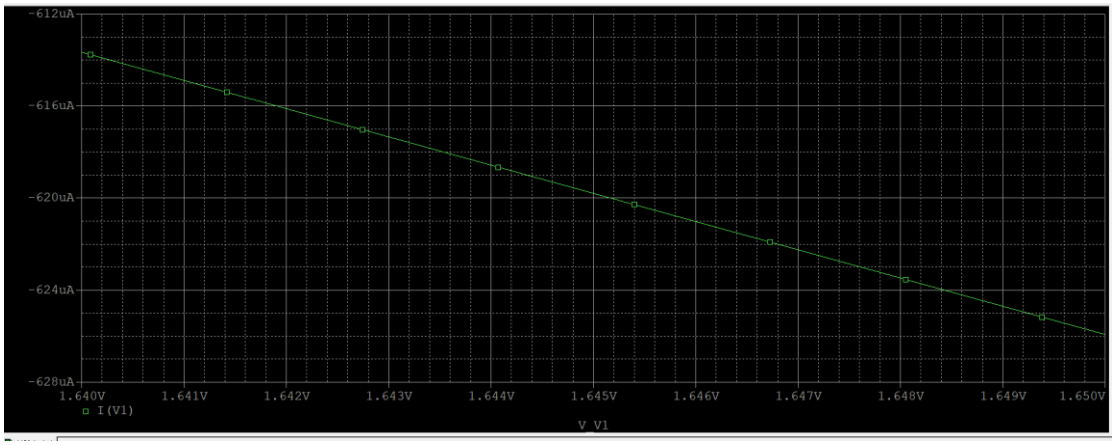
(3) The netlist file you copied & pasted to the server.

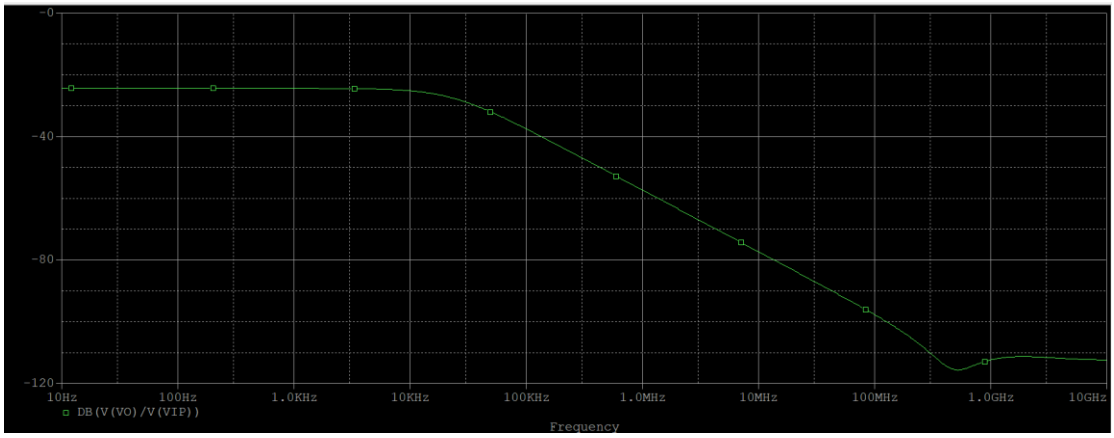
```
* source OPAMP
M_M1            N06096 VIN N05827 N05827 MbreakP
+ L=1u
+ W=50u
M_M2            N06169 VIP N05827 N05827 MbreakP
+ L=1u
```

```
+ W=50u
M_M9            N05827 0 VDD VDD MbreakP
+ L=1u
+ W=30u
M_M3            N06096 N06096 VSS VSS MbreakN
+ L=1u
+ W=30u
M_M4            N06169 N06169 VSS VSS MbreakN
+ L=1u
+ W=30u
V_V4            0 VSS 1.65Vdc
M_M5            N06280 N06096 VSS VSS MbreakN
+ L=1u
+ W=10u
M_M8            VO N06169 VSS VSS MbreakN
+ L=1u
+ W=10u
M_M6            N06280 N06280 VDD VDD MbreakP
+ L=1u
+ W=10u
M_M7            VO N06280 VDD VDD MbreakP
+ L=1u
+ W=10u
V_V2            VIN 0 DC 0Vdc AC 1Vac
V_V3            VIP 0 DC 0Vdc AC 1Vac
V_V1            VDD 0 1.65Vdc
```

(4) PSPICE simulation results (screen capture) showing the specifications.







(5) Your self-calculated score.

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