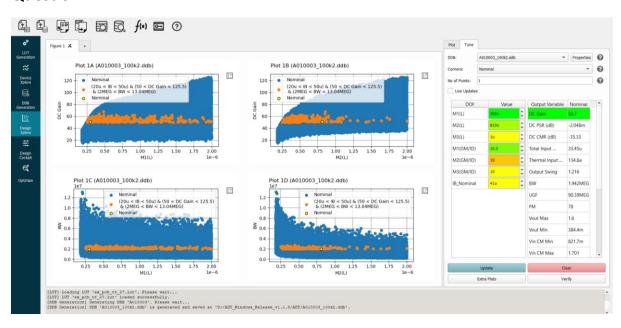
PART 1

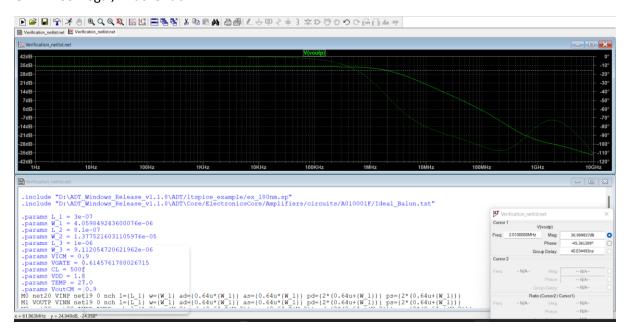
Question1:



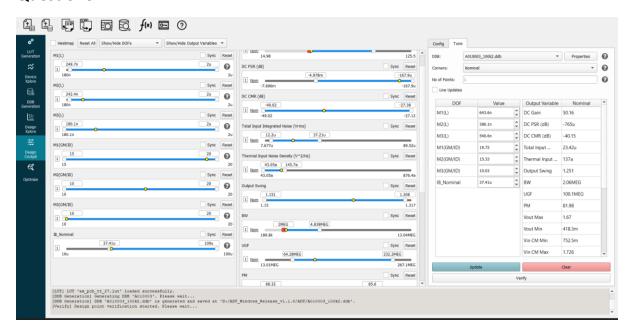
Question2:

Verifying Results

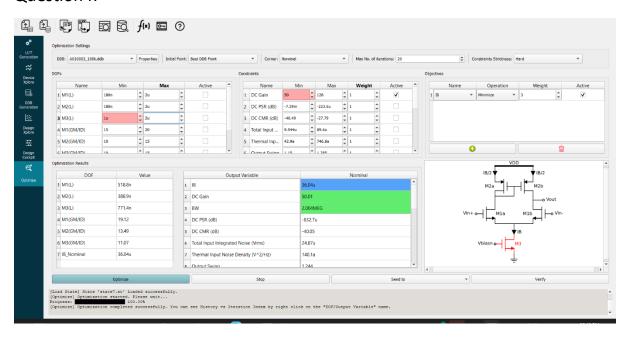
GBW=100Mega, Avdc=34db



Question3:



Question4:



Question5:

Figure 1 Results.

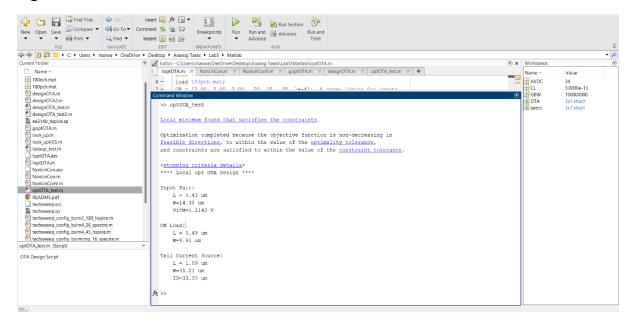


Figure 2 lopt function.

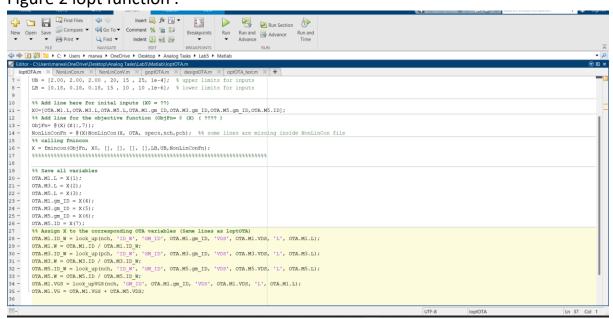
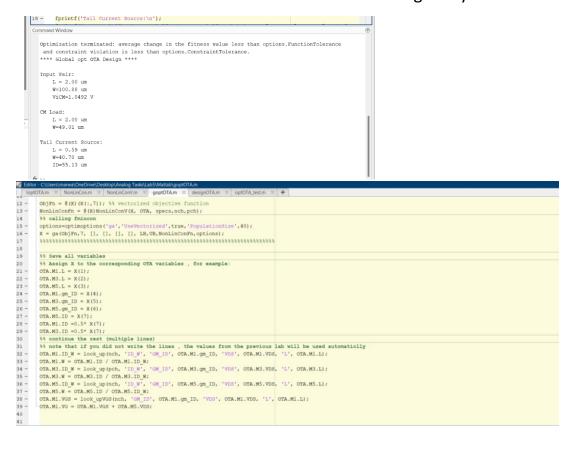


Figure 3 Nonlincon function.

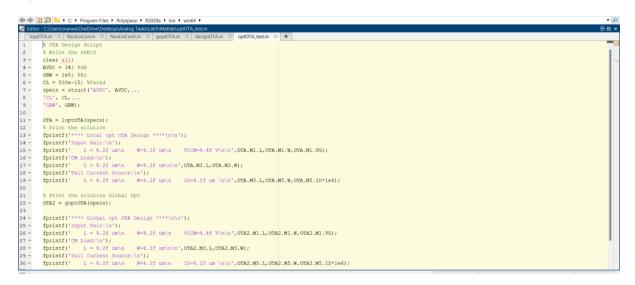
Question6:

Global Optimizer

Note: This Result isn't Correct but I can't find the bug in my code.



Question7:

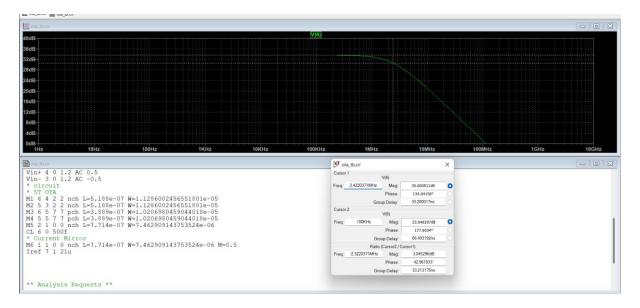


ADT	Matlab		
Input Pair:	Input Pair:		
W= 11.286 u L=518.8n	W= 14.38u L=0.43u		
Current Mirror Load :	Current Mirror Load :		
W= 10.2069u L=389n	W= 35.21u L=0.49u		
Tail Current Source :	Tail Current Source :		
W=7.4689u L=771.4n	W=9.598u L=1u		
IB=36.04u	IB=33.57u		

Comment:

The Sizing Difference due to the added constrain in ADT for GBW = 100 mega, where added DCgain constrain and BW Constrain.

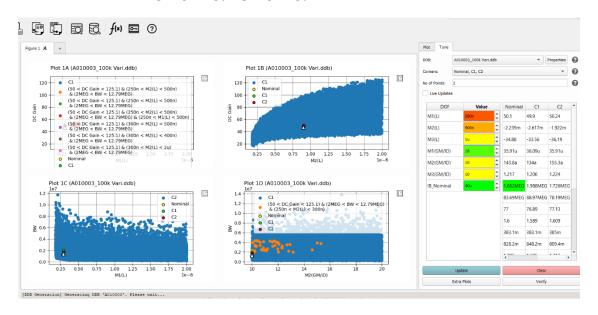
Question8:



PART2:

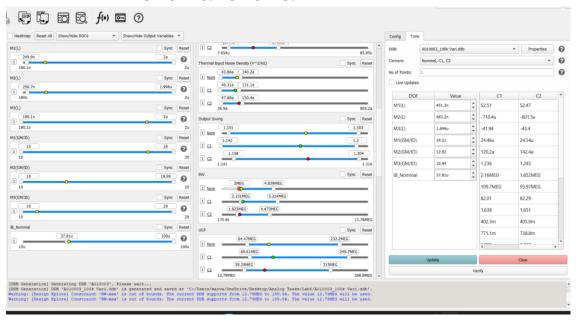
Question 1:

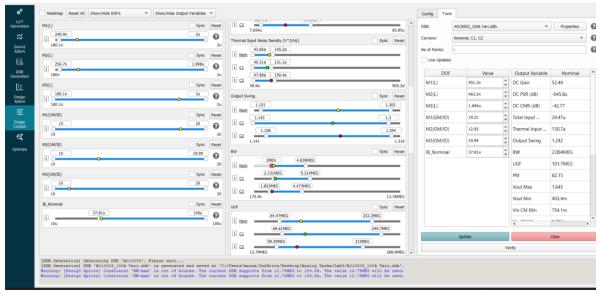
C1 is +10% C2 is -10%



Question 2:

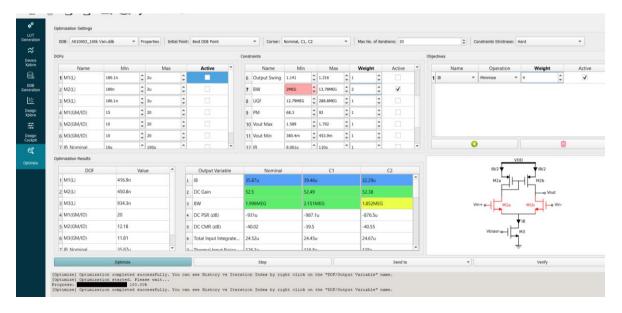
C1 is +10% C2 is -10%





Question 3:

C1 is +10% C2 is -10%



Question 4:

ADT Genrated a netlist for the nomninal Value only

