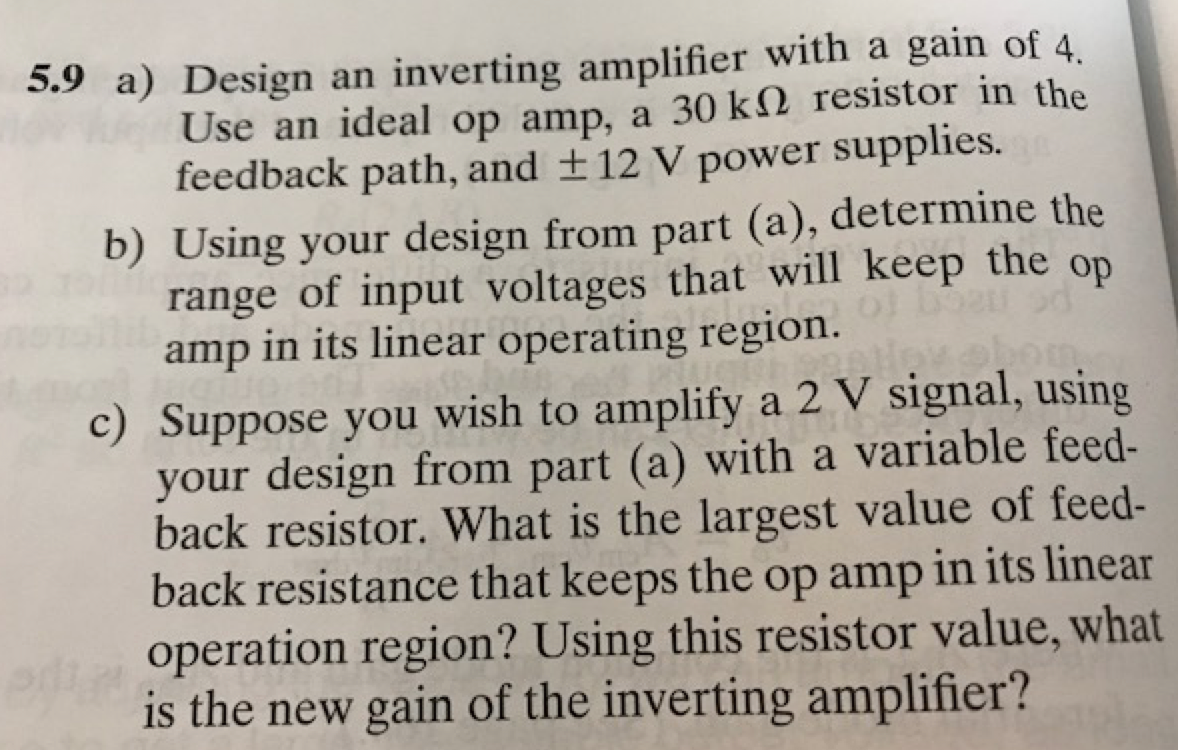


Solution

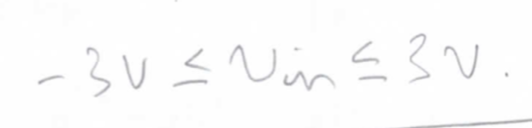
Part a)

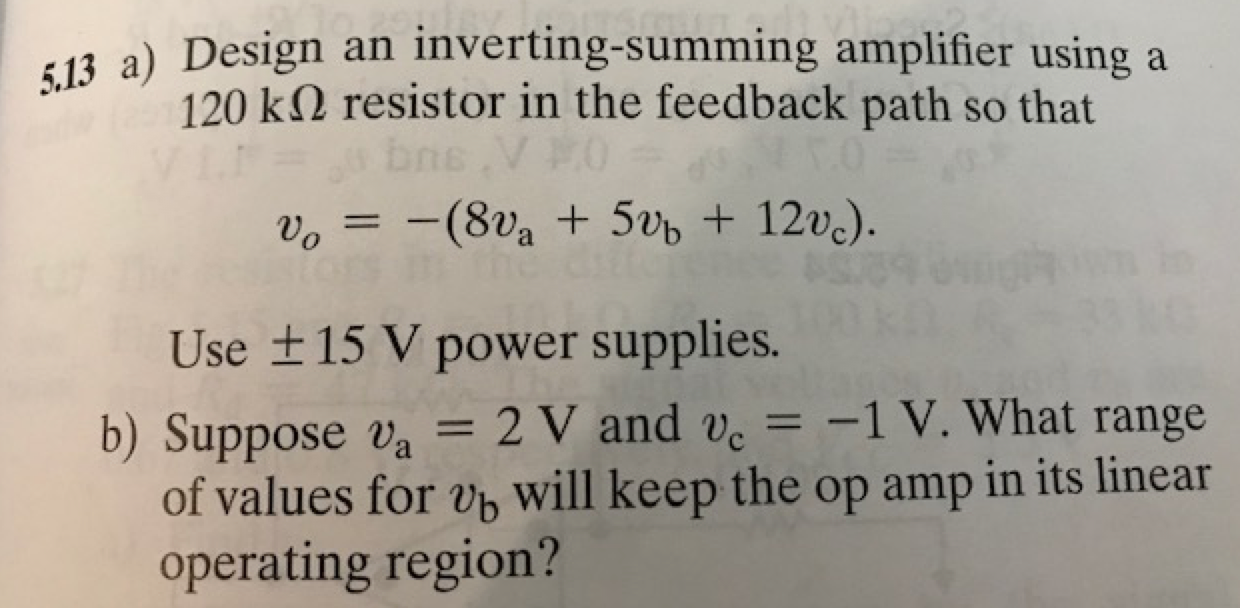




Solution:

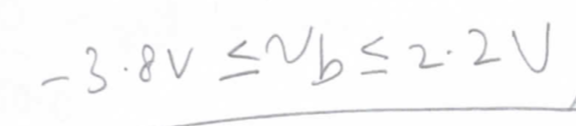
Part b)

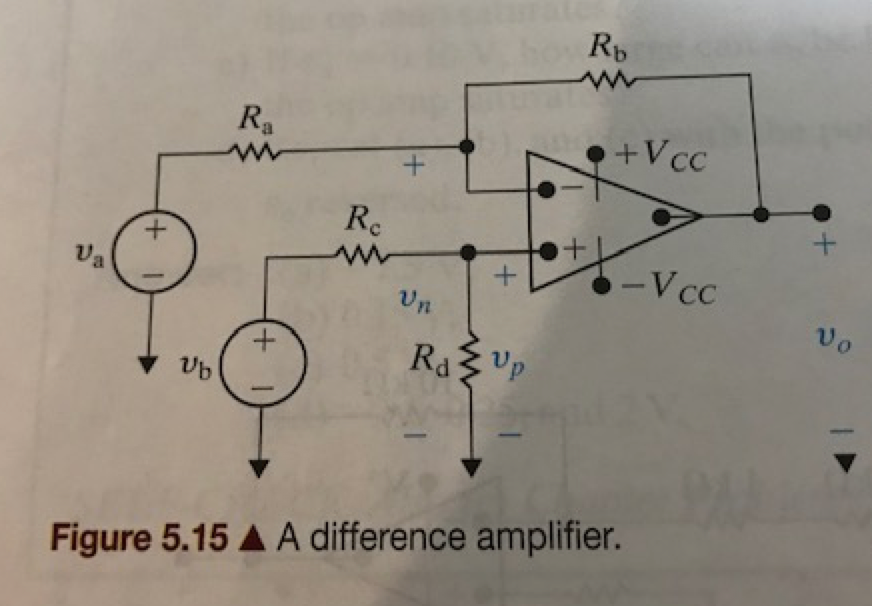
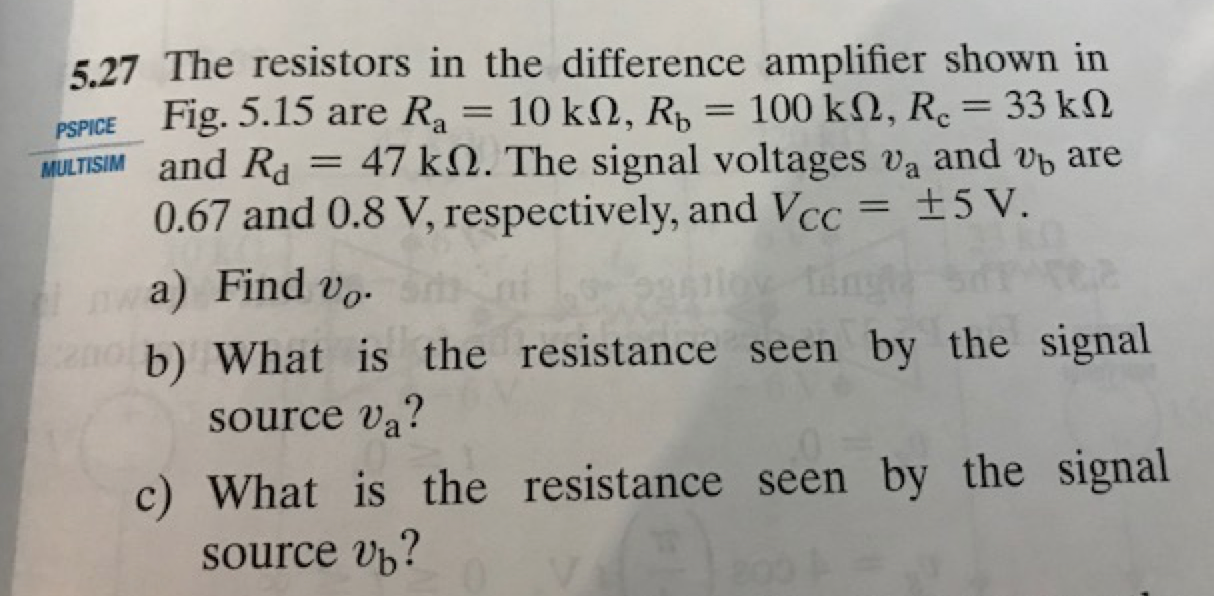




Solution:

Part b)





Solution:

Part b)

