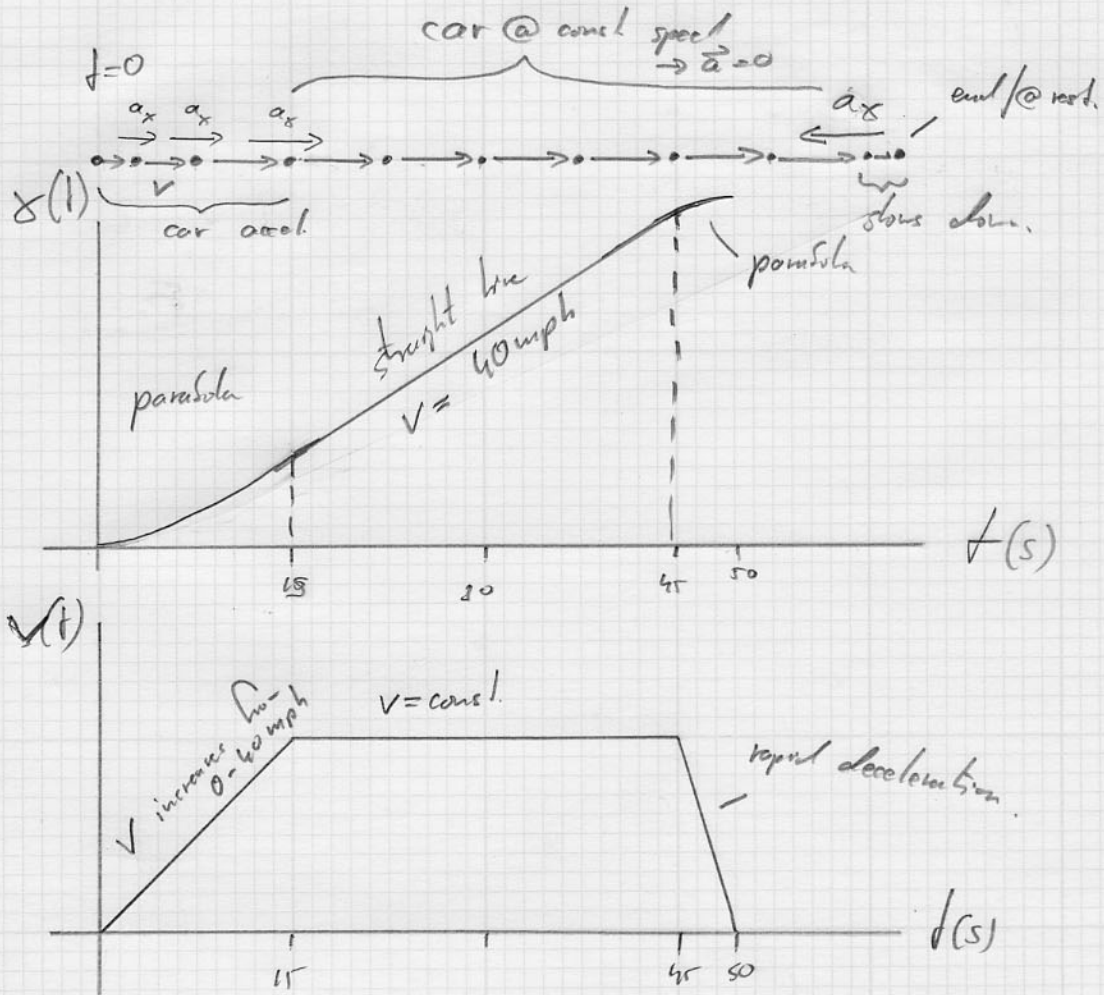


a)



extra question: what can you say about the magnitudes of acceleration between $t=0s - t=15s$ and $t=45s - t=50s$?

b)

