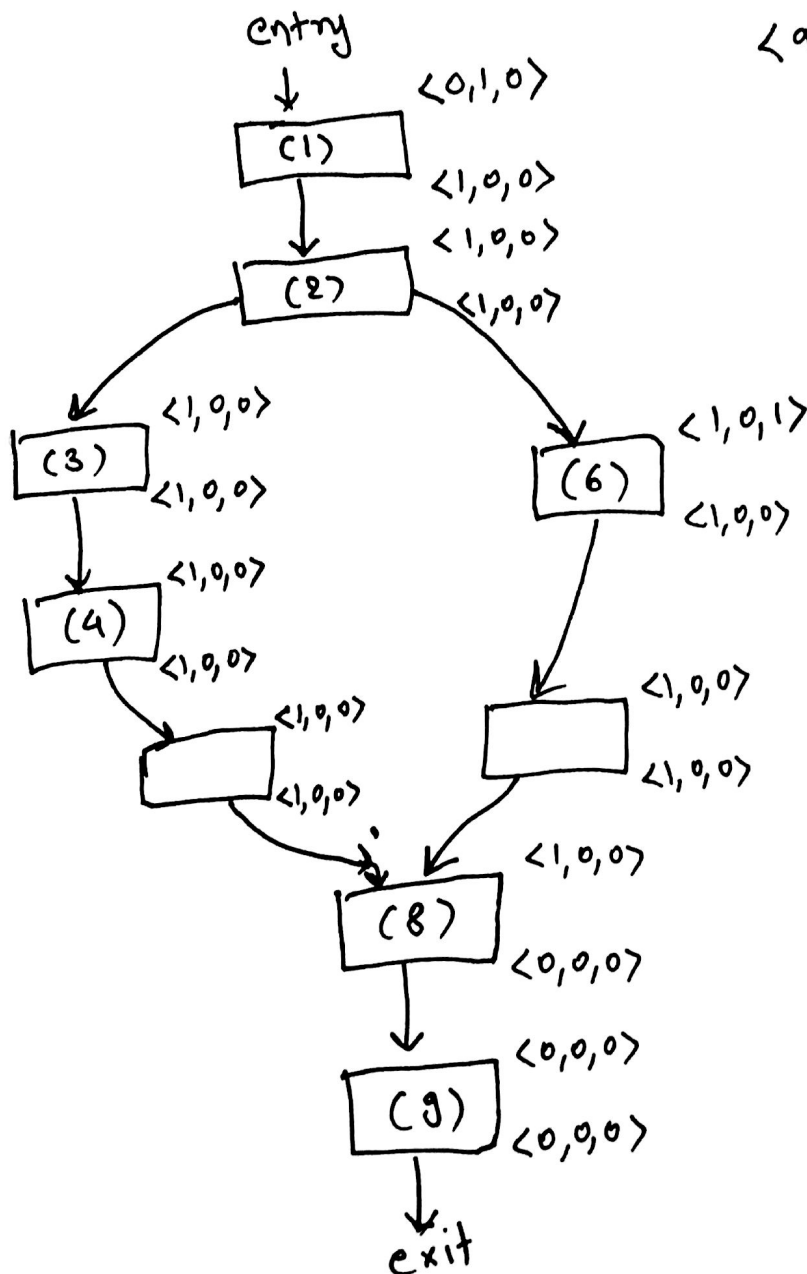


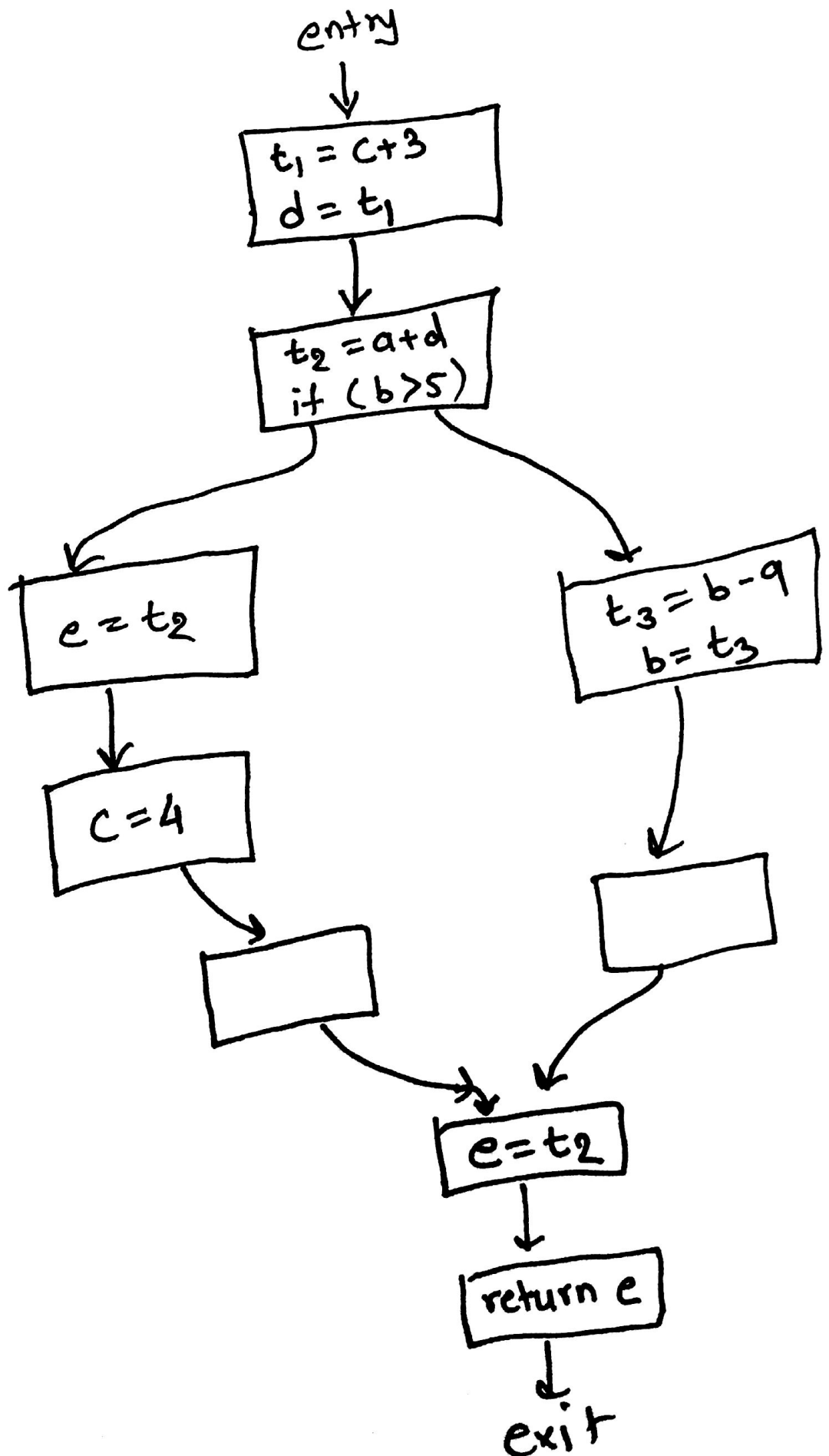
Q.3.1.1 We treat each instruction as a separate basic block to maximize optimization opportunities.

Anticipated Expressions:
 $\langle a+d, c+3, b-9 \rangle$

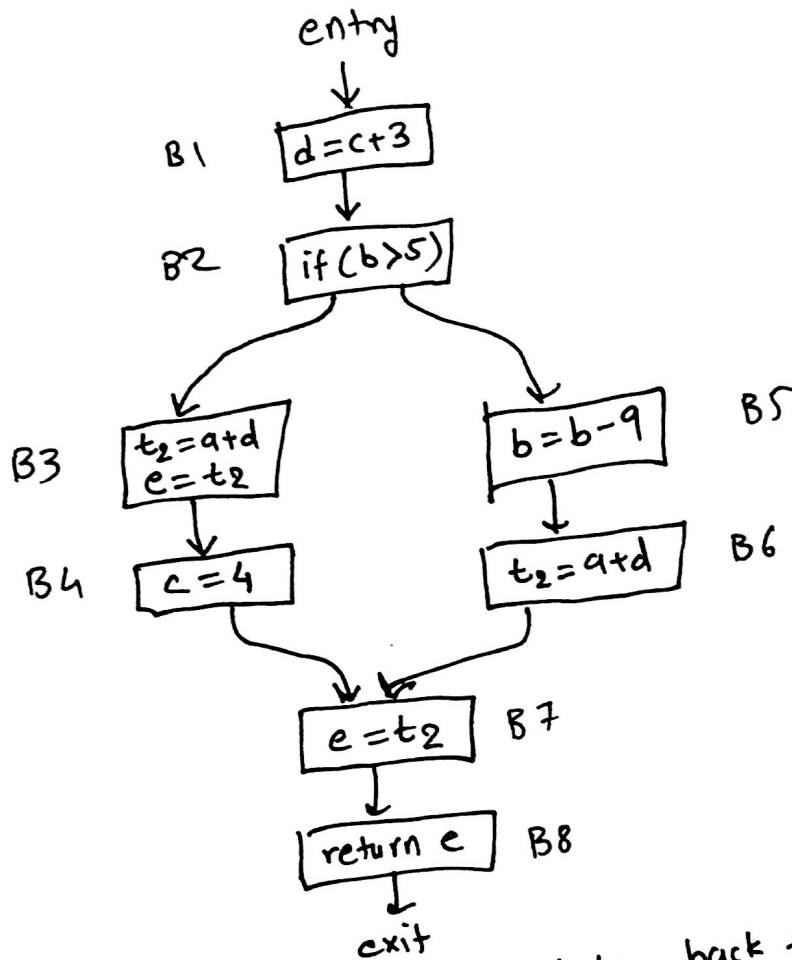


Q.3.1.2

CFG After Early Placement Pass



Q.3.1.3 CFG After Lazy Code Motion & Clean up



[We did not combine basic blocks back to maximal basic blocks but one could also do that. \Rightarrow $(B1, B2)$, $(B3, B4)$, $(B5, B6)$, and $(B7, B8)$ would be four maximal basic blocks.]