**[CS200]-STT II** **Fall 2020-21**

# Assignment: II

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Question 4,
a) The git-graph obtained after all the commits is as follows:

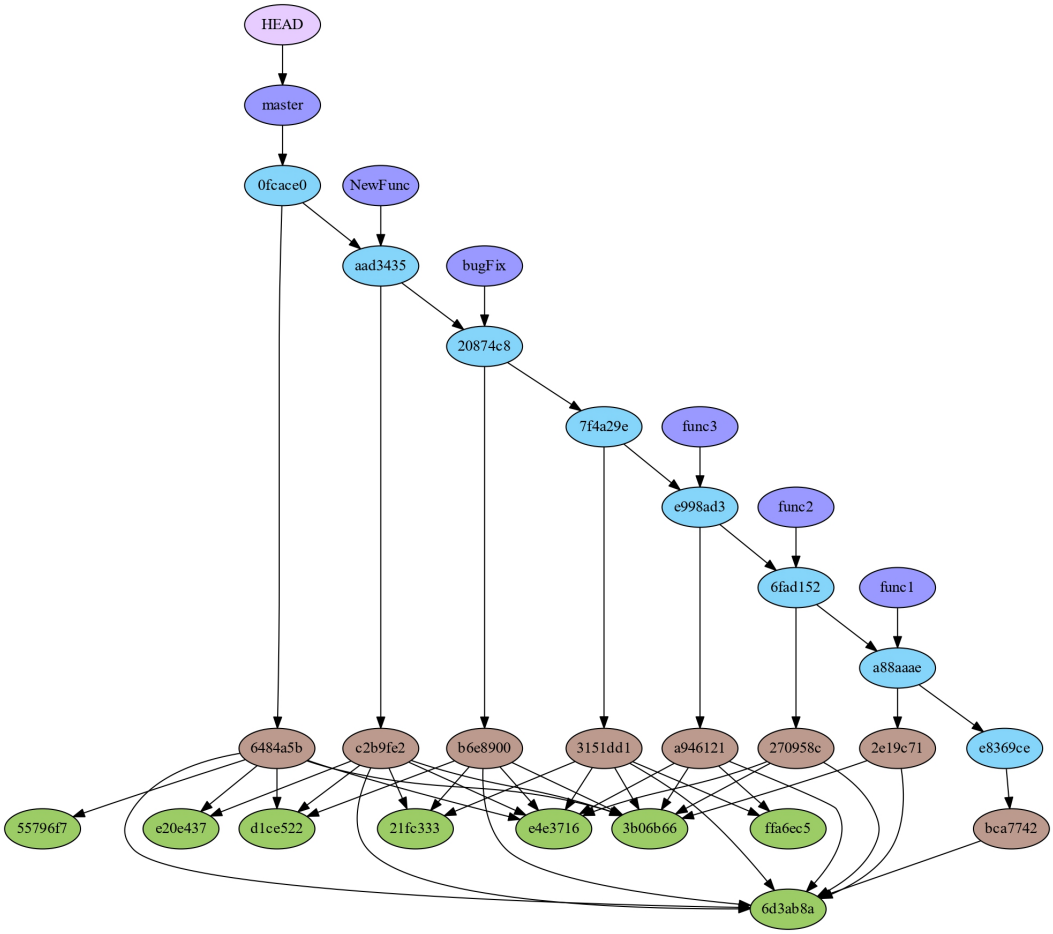


Figure 1.1: Initial Git-Graph

b) After performing the merging using all the rebase, the following git graph is obtained:

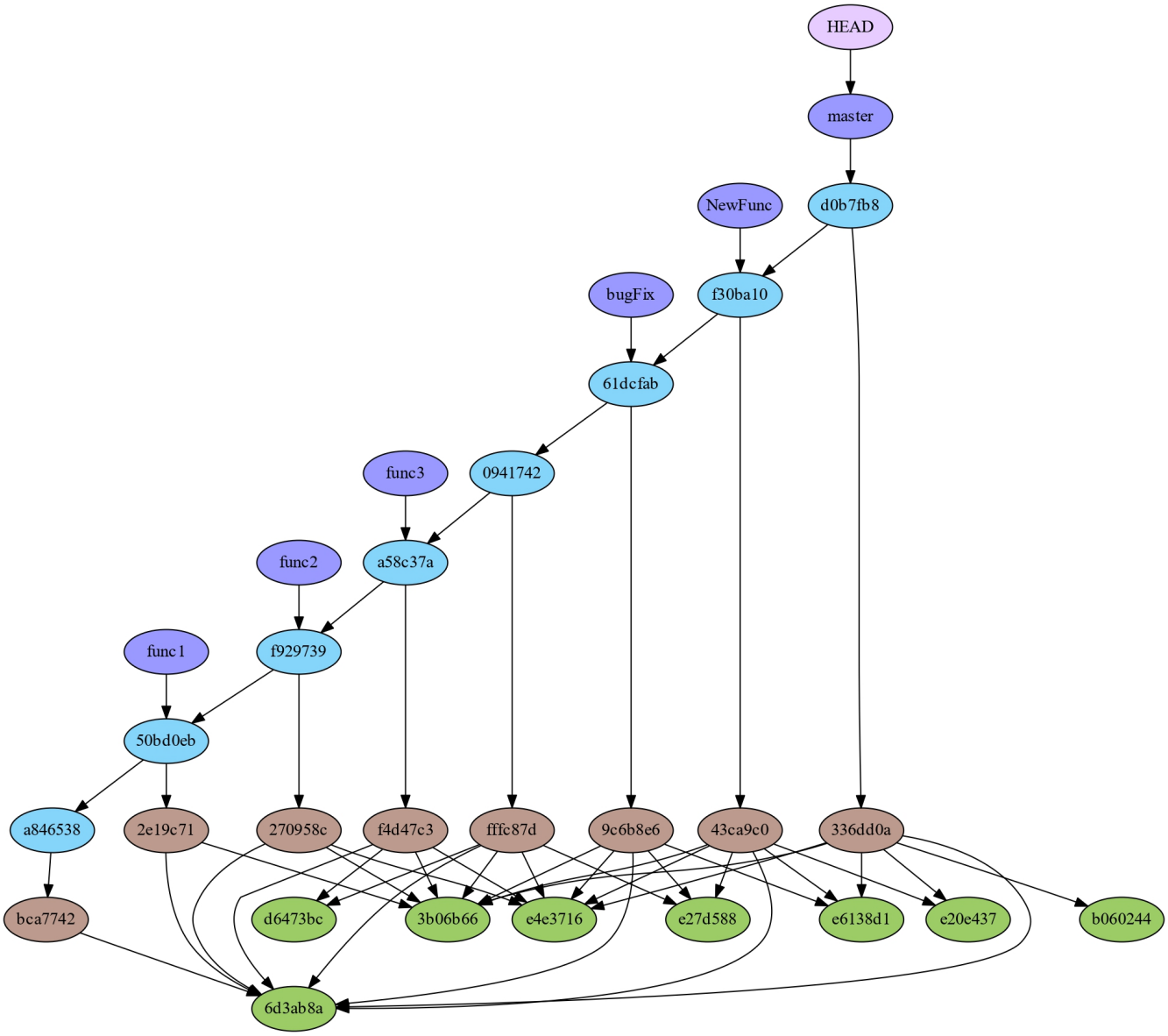


Figure 1.2: After Merge with rebase

c) In the final code I/O base, Group Member 1, can keep both top to bottom and vice-versa as, if you note carefully we are merging all branches(tracked as well as remote) to the master branch. Since, all are merged to the master, the member 1 has begun the committing on the master branch and the final branch is terminating at master after all the commits , thus very well he can access the codes after merging with the master and use it in his I/O program.

However, there is a possibility that during the rebase of the branch with the master, the reverse zig-zag code will not be accessible to Member 1. The operation of rebase will change the commit history, log record and pointer to the HEAD, due to which on rebasing, a new log and commit history will be created, which will make the reverse zig-zag file, inaccessible to Member 1.