

What is Git?

A Basic Workflow

Edit files

Stage the changes

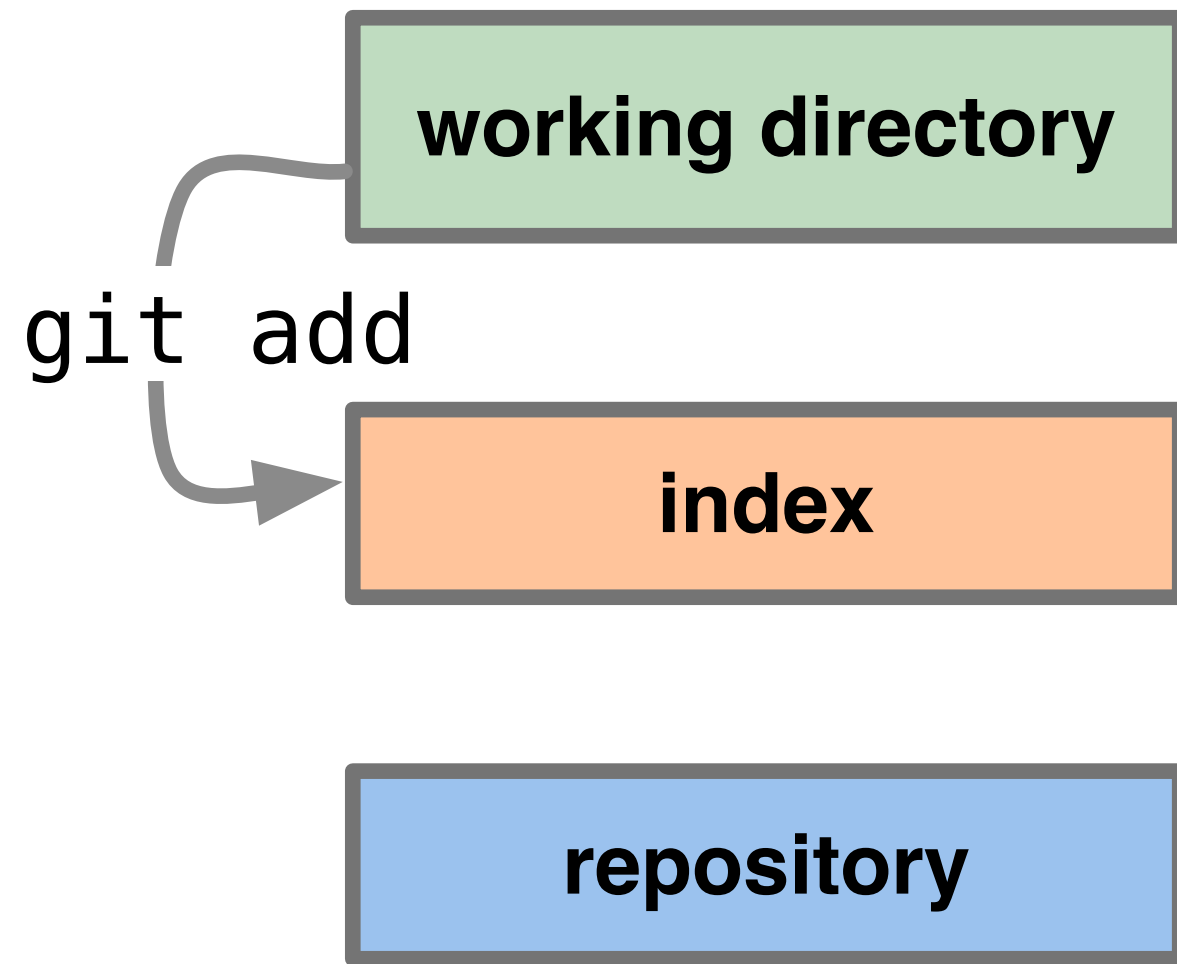
Review your changes

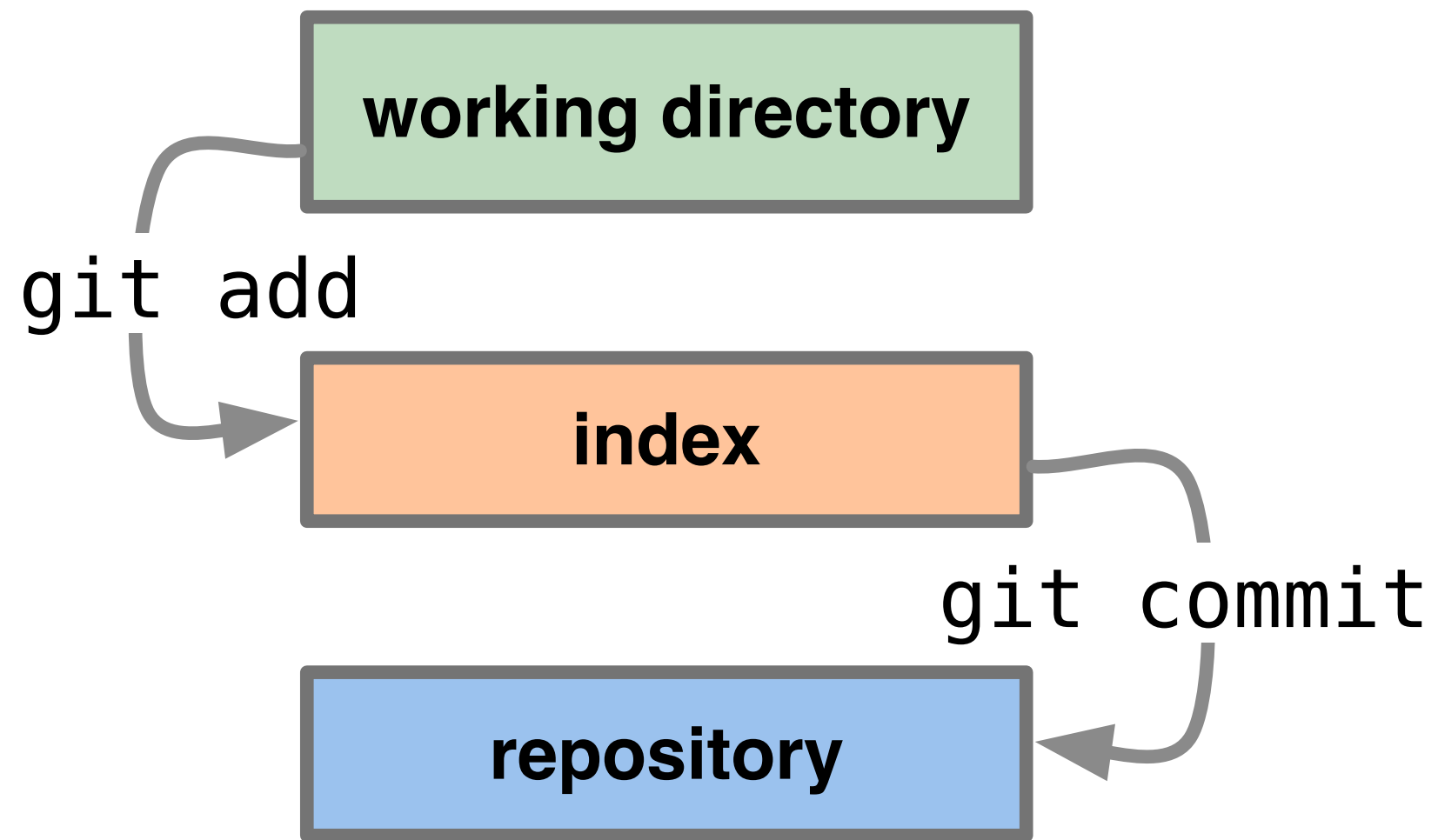
Commit the changes

working directory

index

repository





A Basicer Workflow

Edit files

vim / emacs / etc

Stage & commit the changes

git commit -a

Branching and Merging

"FINAL".doc



FINAL.doc!



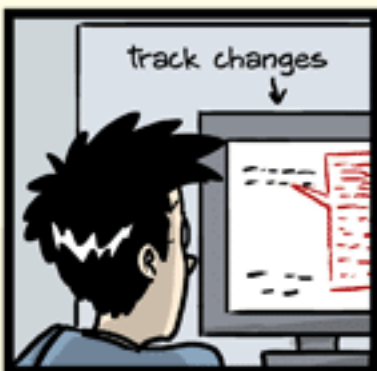
FINAL_rev.2.doc



FINAL_rev.6.COMMENTS.doc



FINAL_rev.8.comments5.
CORRECTIONS.doc



FINAL_rev.18.comments7.
corrections9.MORE.30.doc



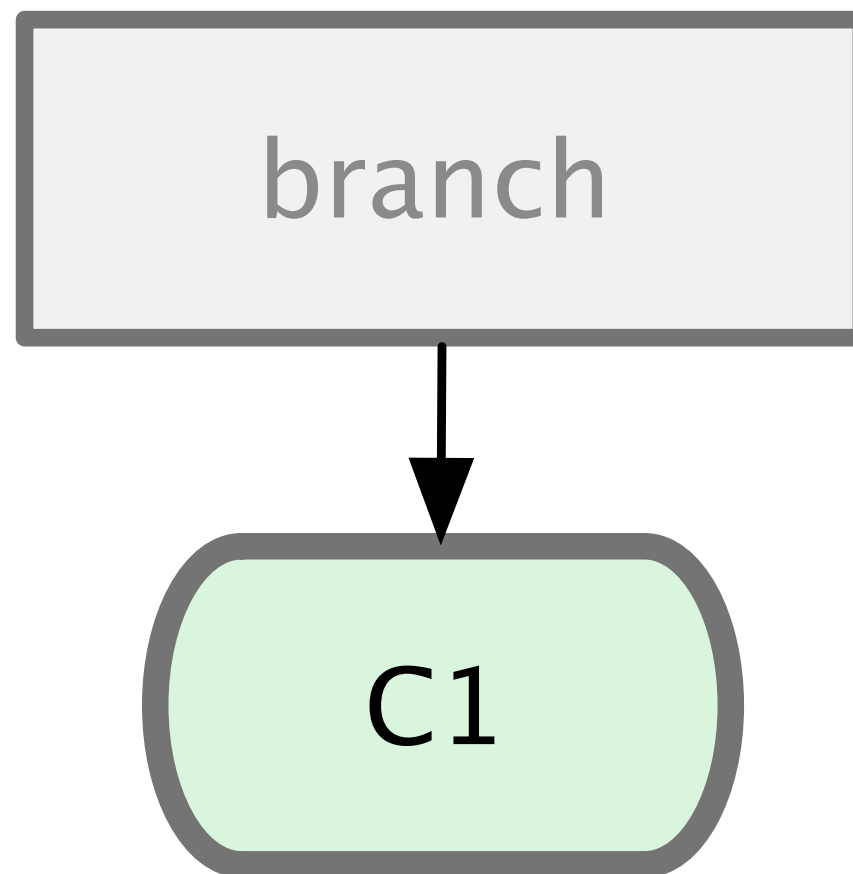
FINAL_rev.22.comments49.
corrections.10.#@\$%WHYDID
ICOMETOGRADSCHOOL?????.doc

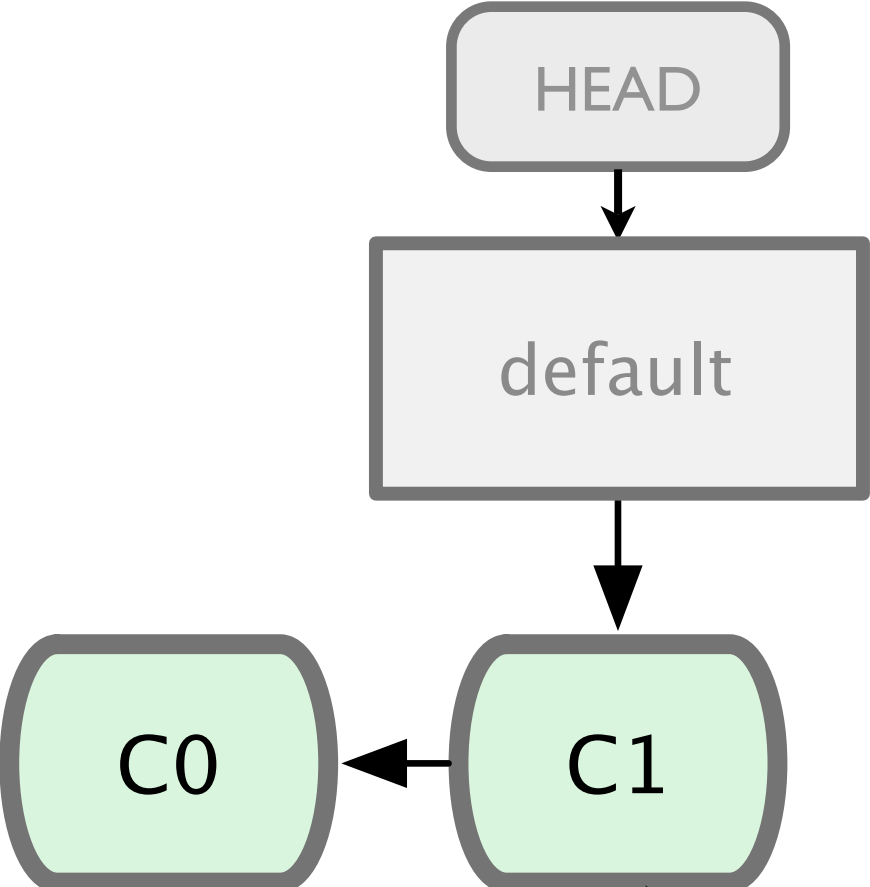


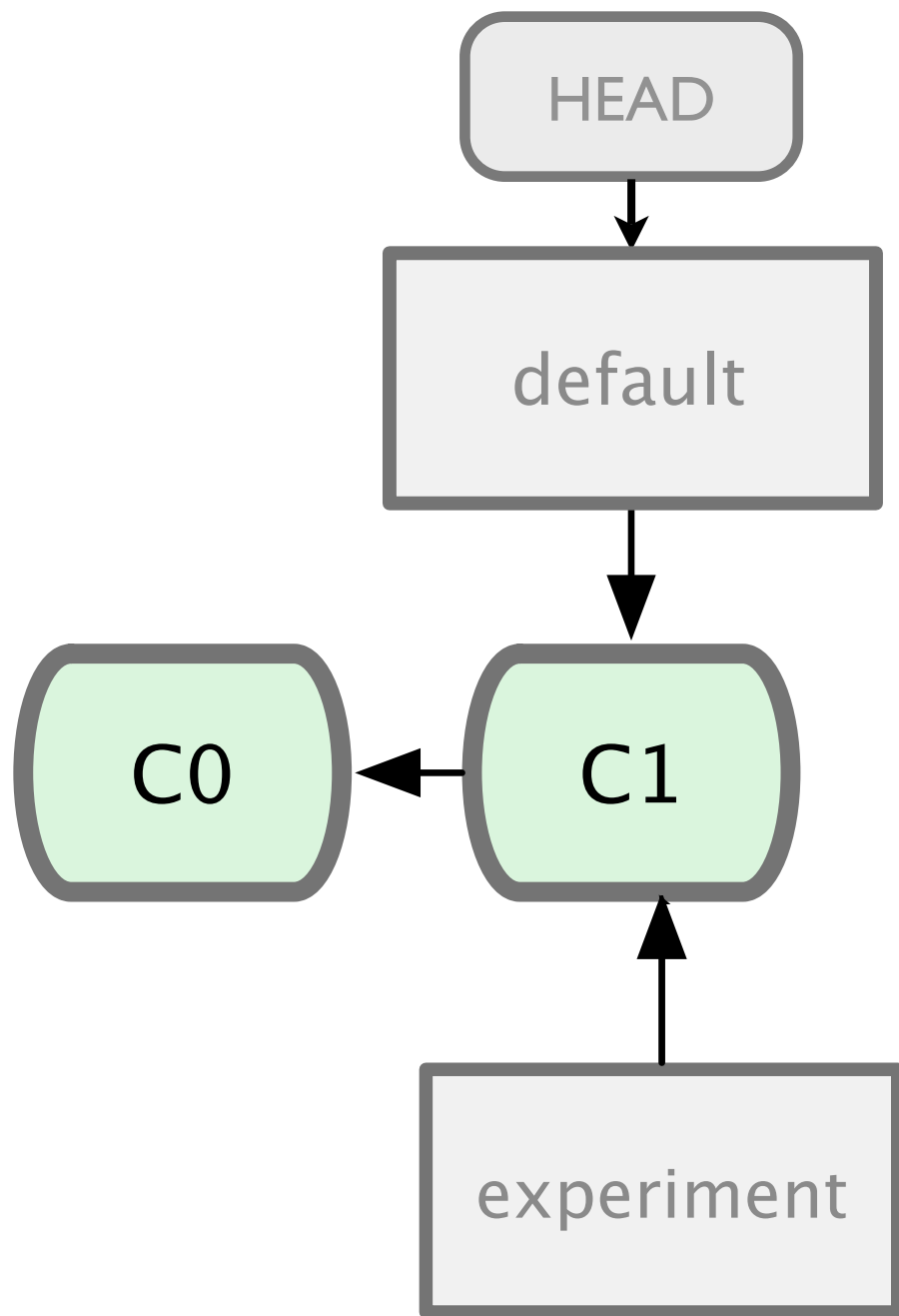
branches

branches

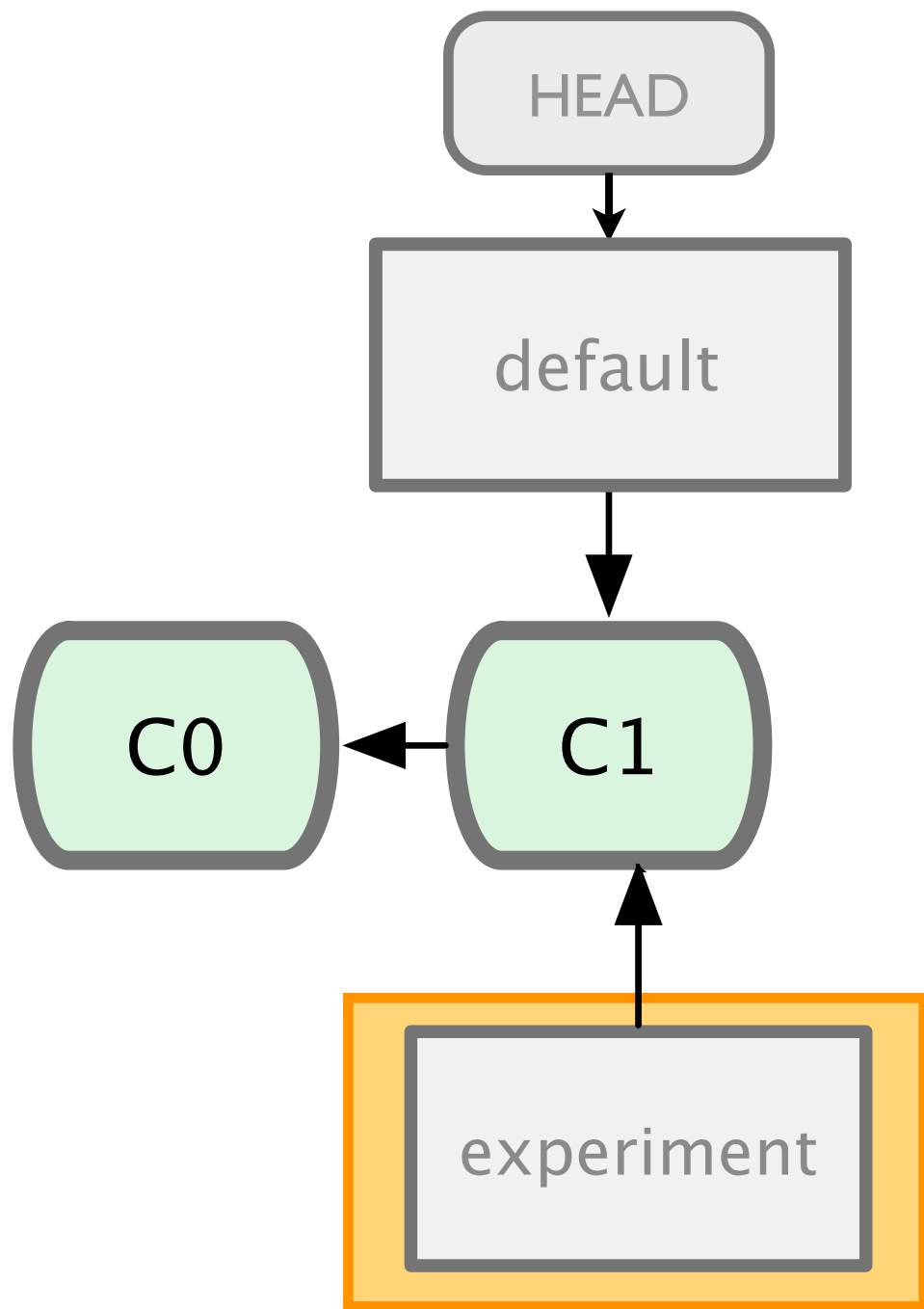
lightweight, movable
pointers to a commit



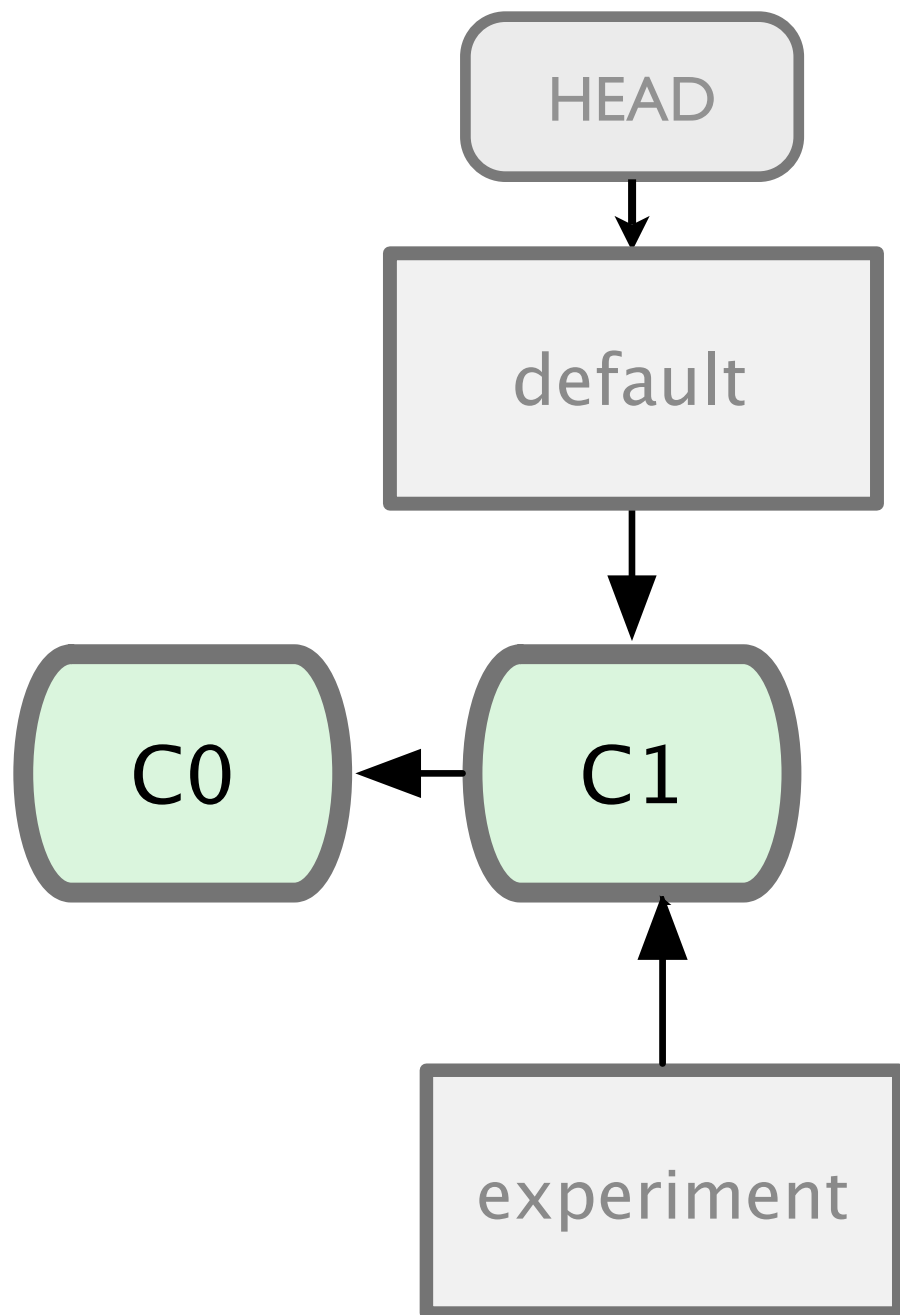




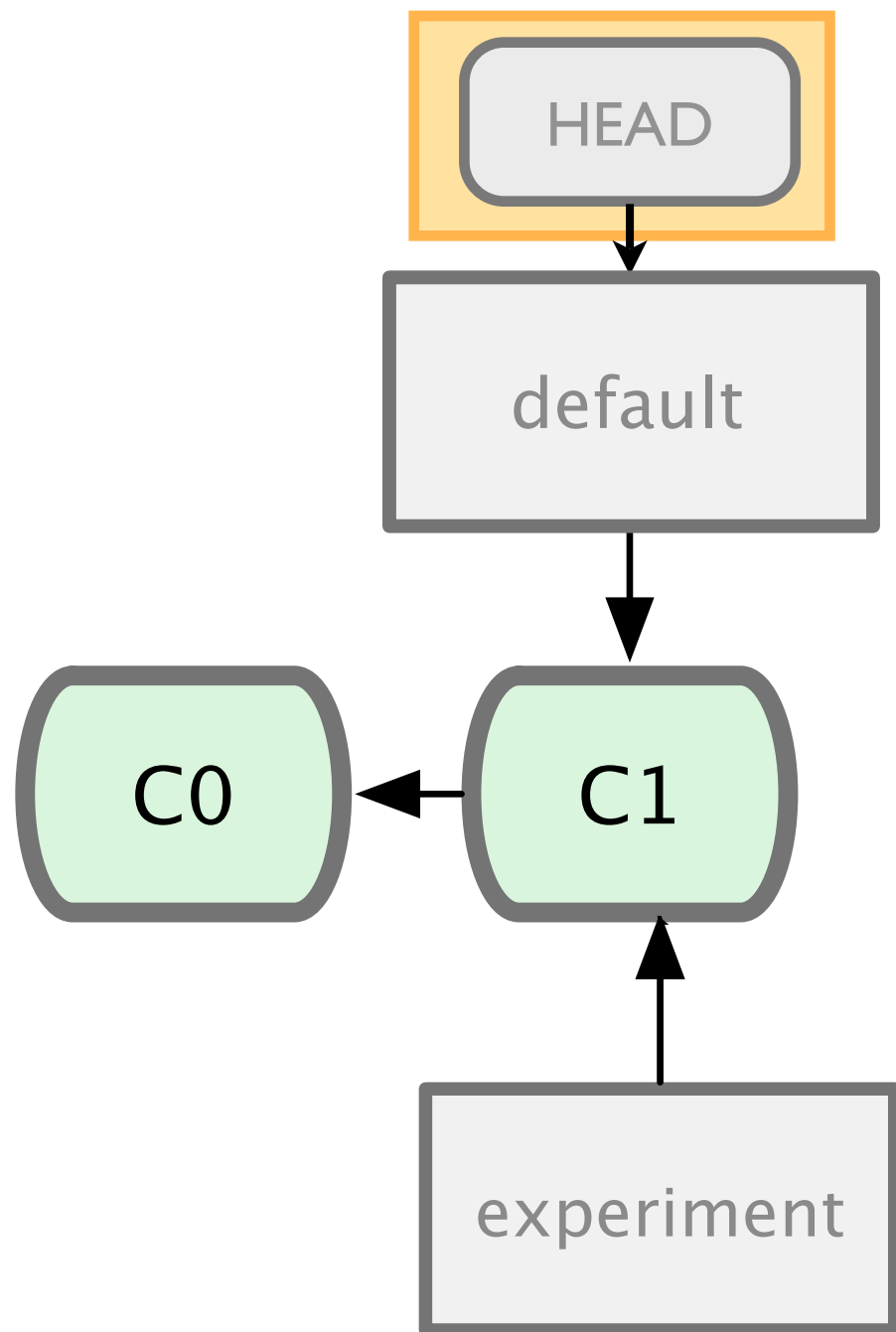
git branch experiment



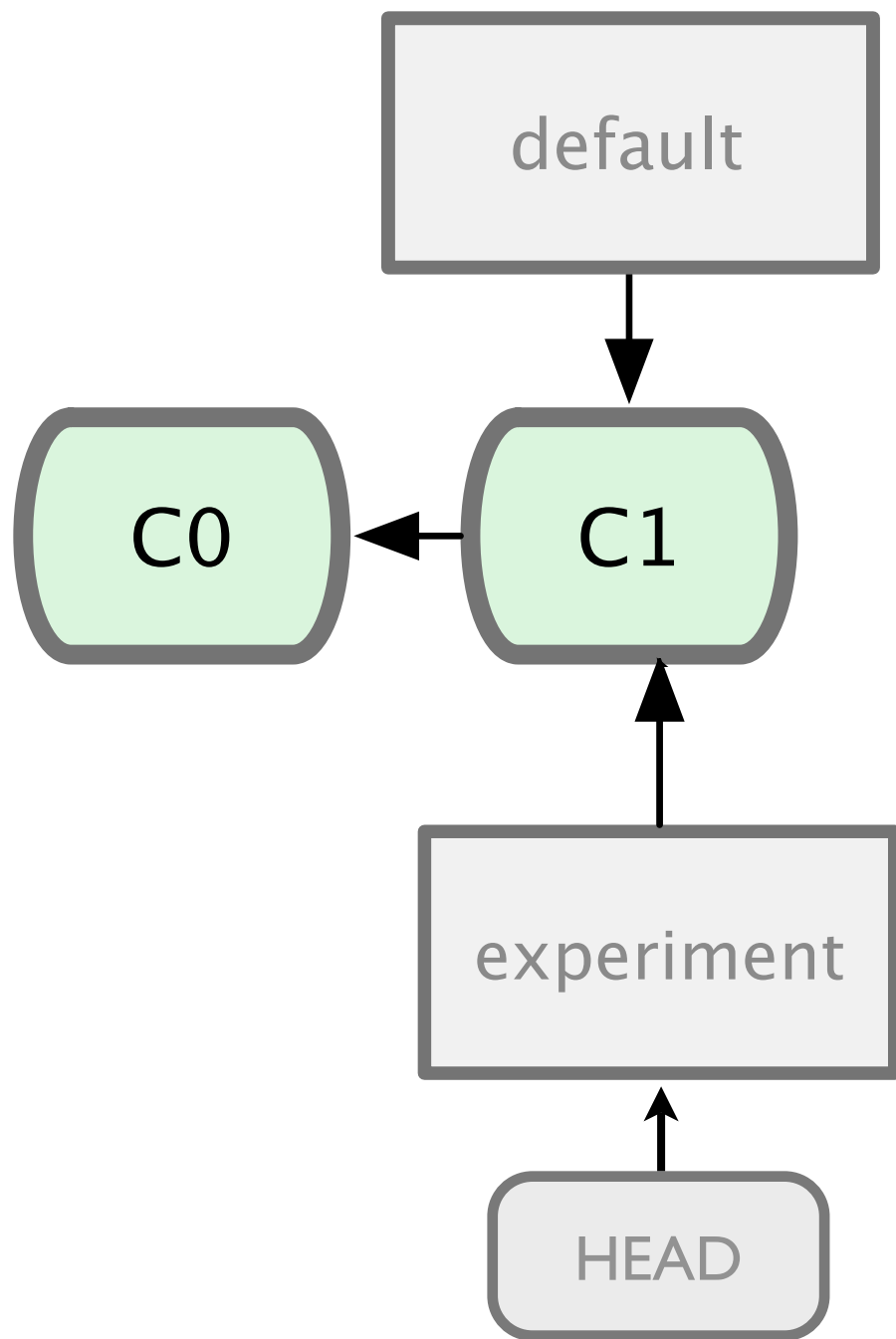
git branch experiment



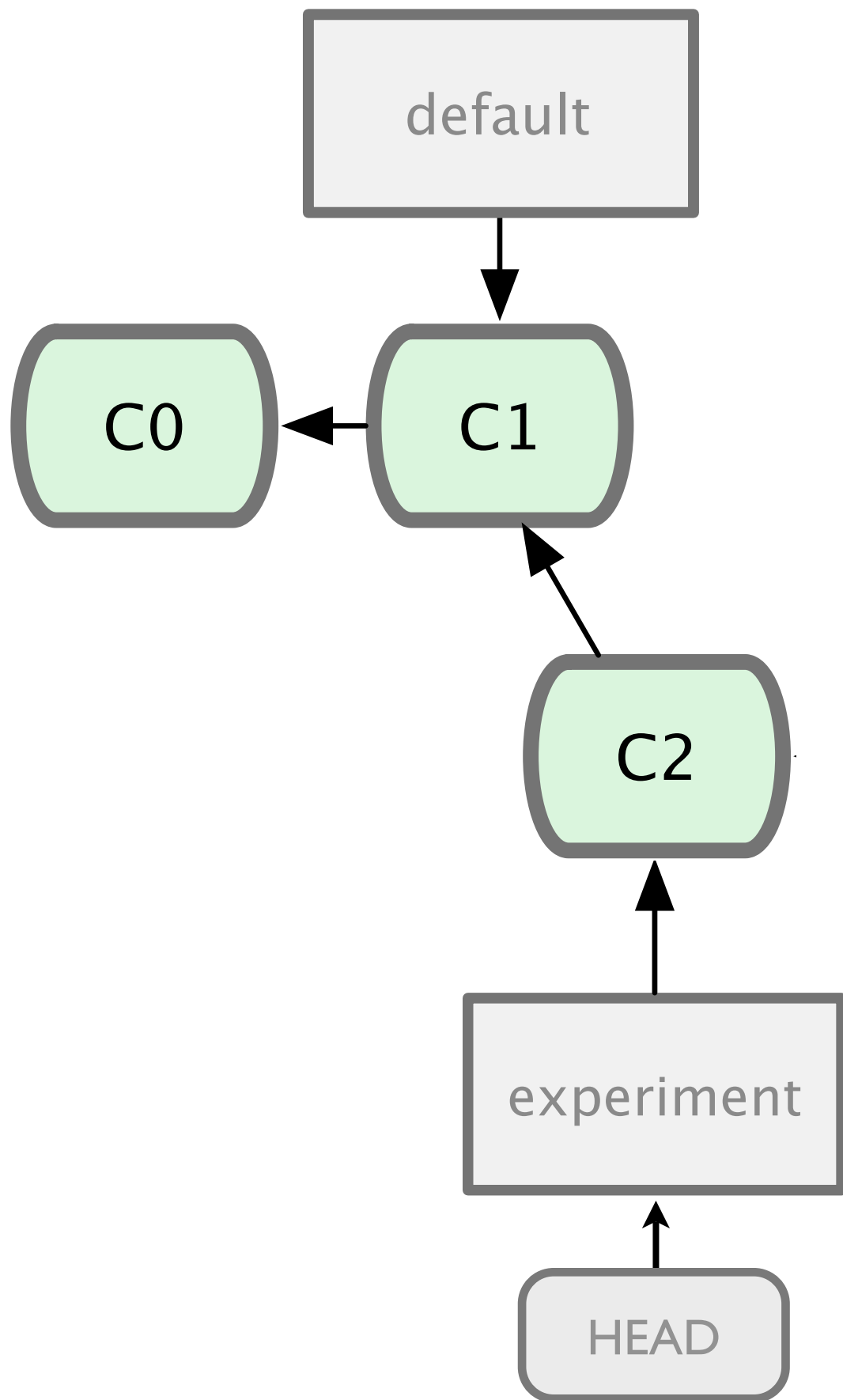
```
$ git branch  
* default  
experiment
```



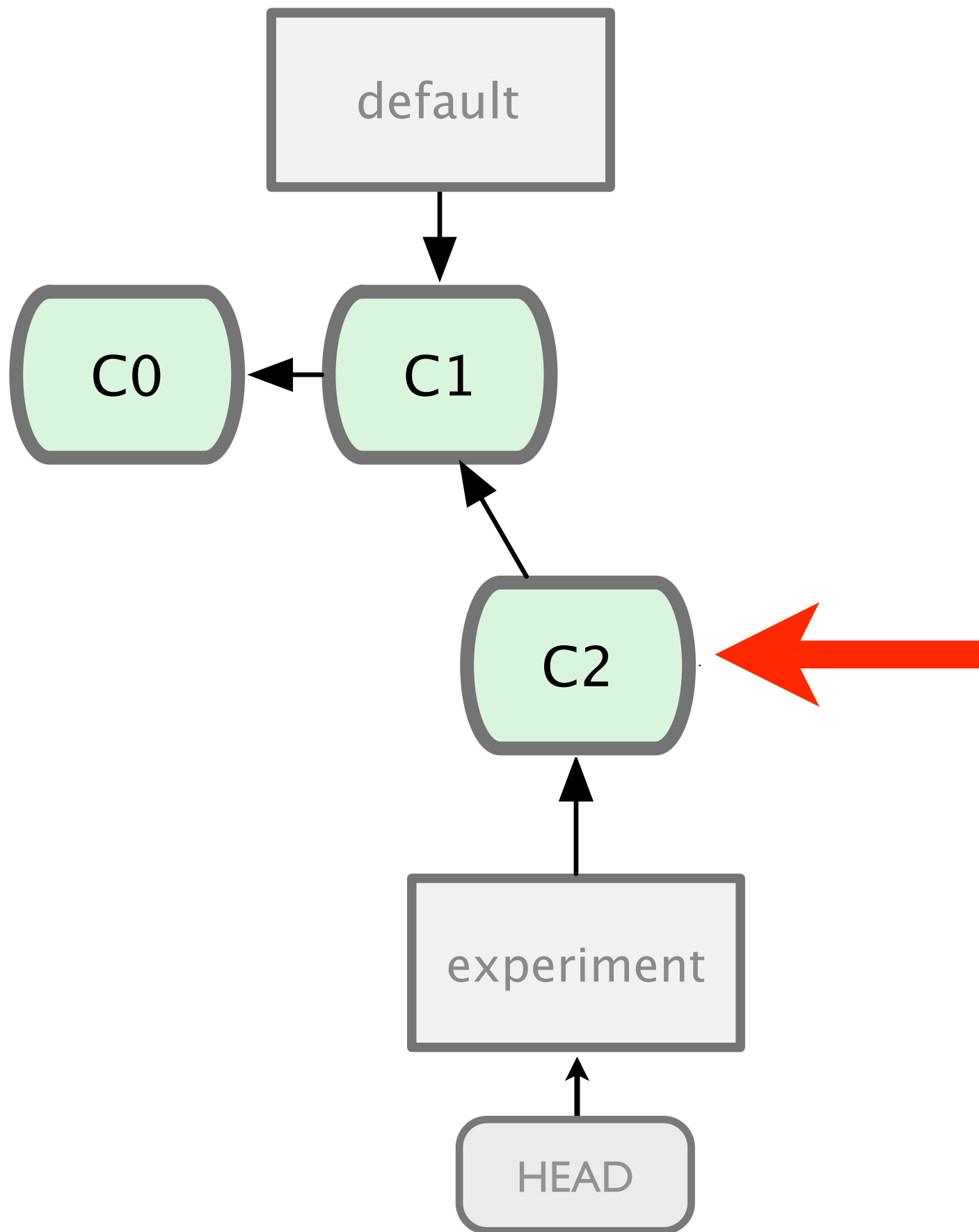
```
$ git branch  
* default  
experiment
```



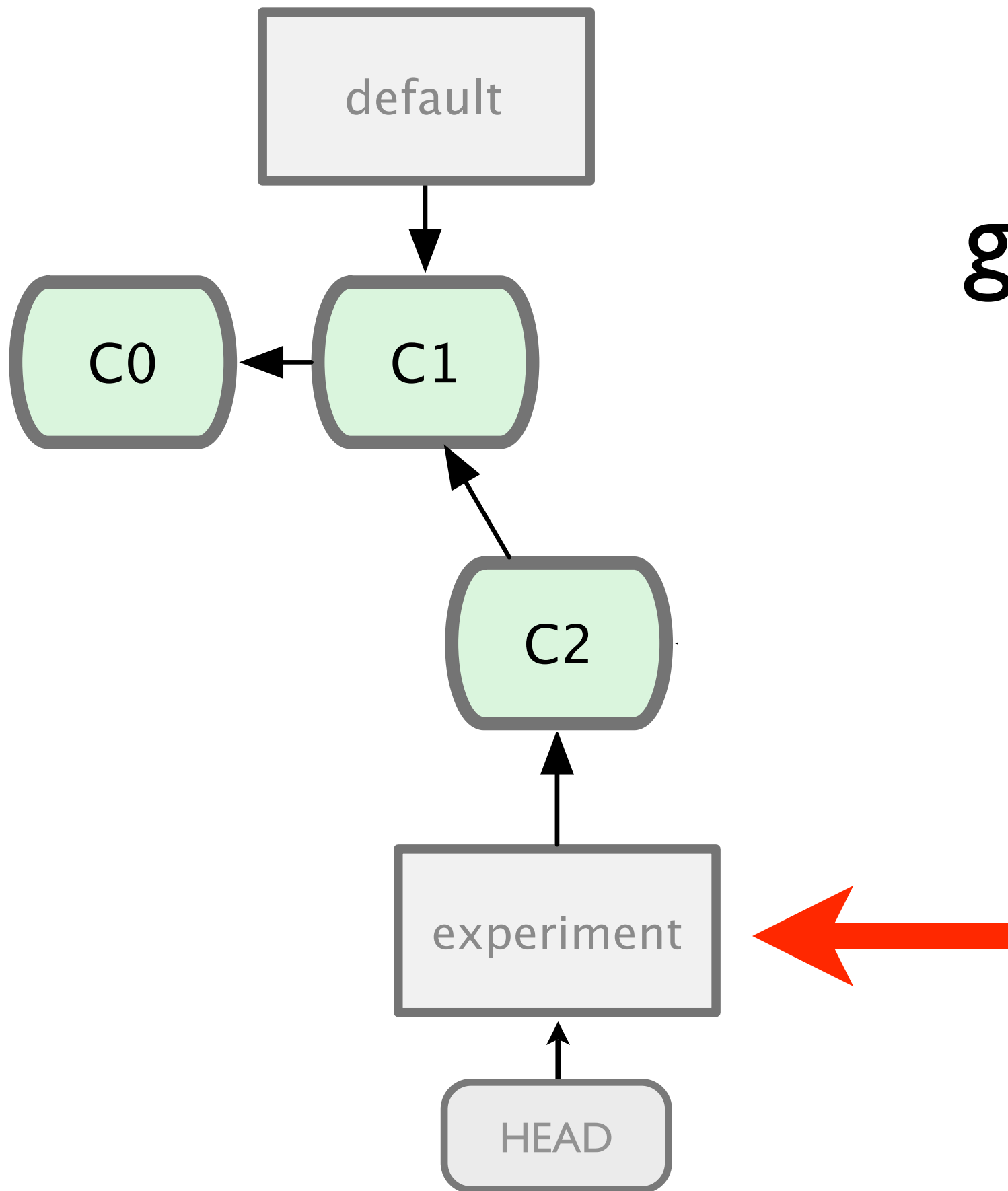
git checkout experiment



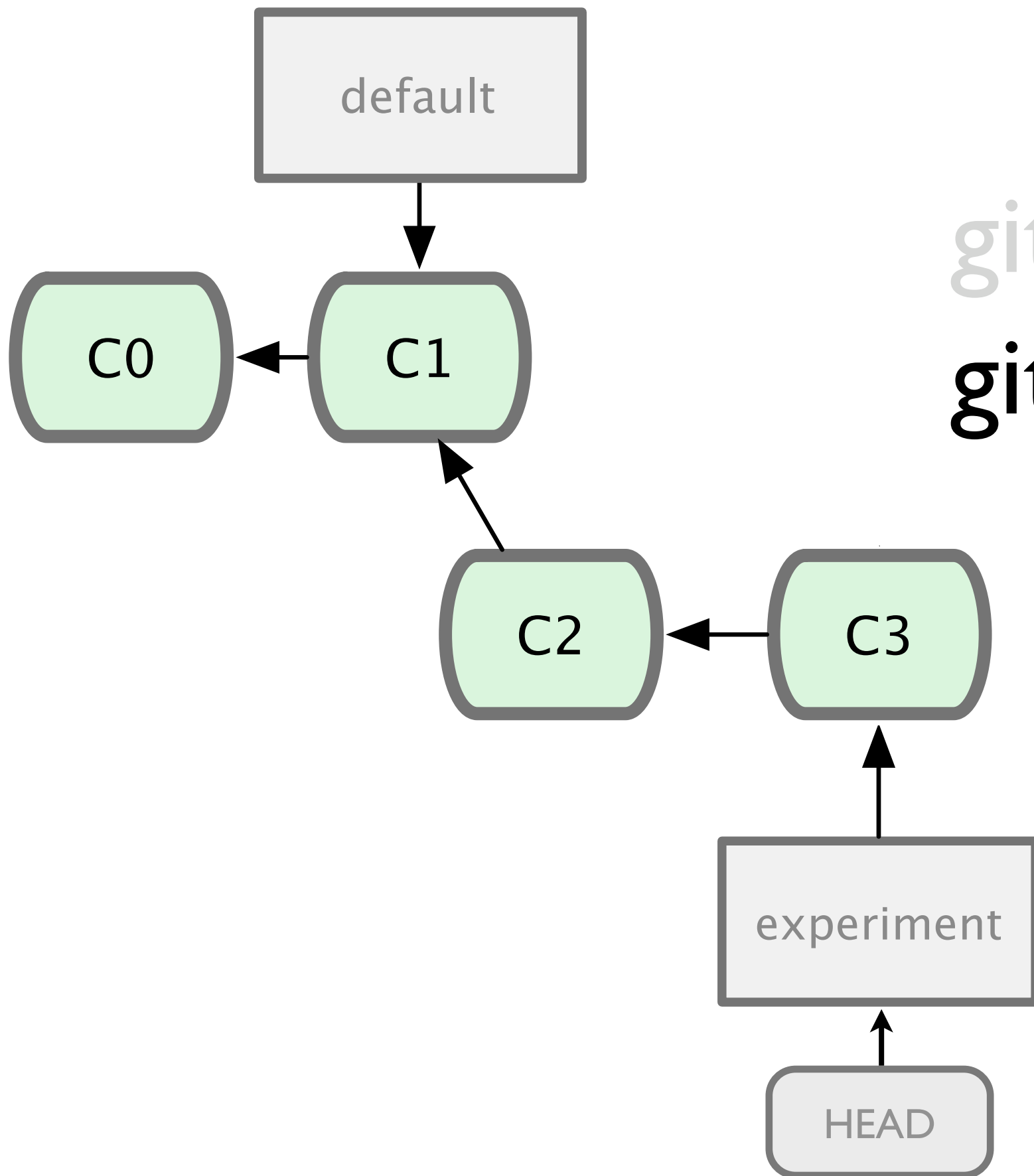
git commit



git commit

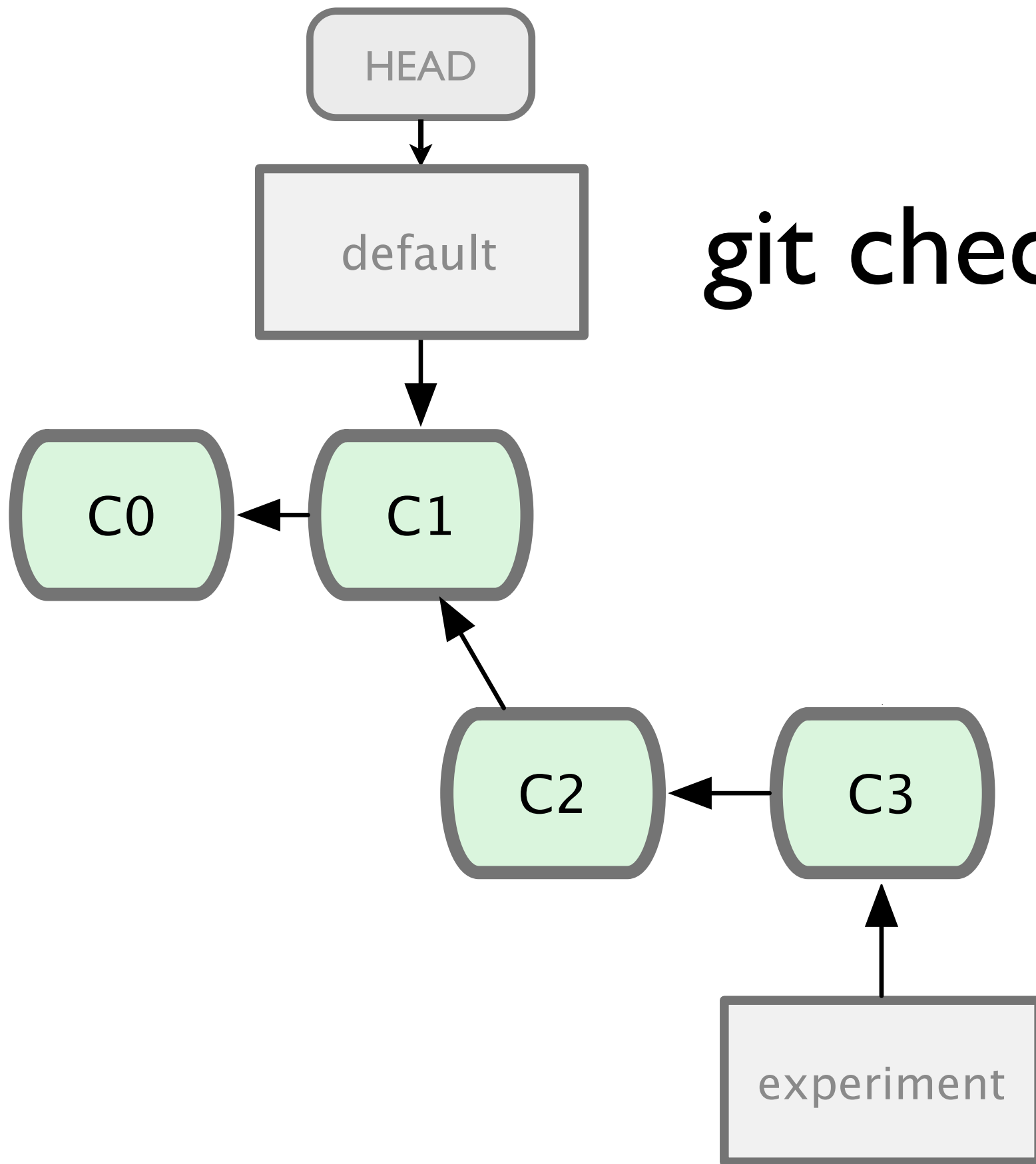


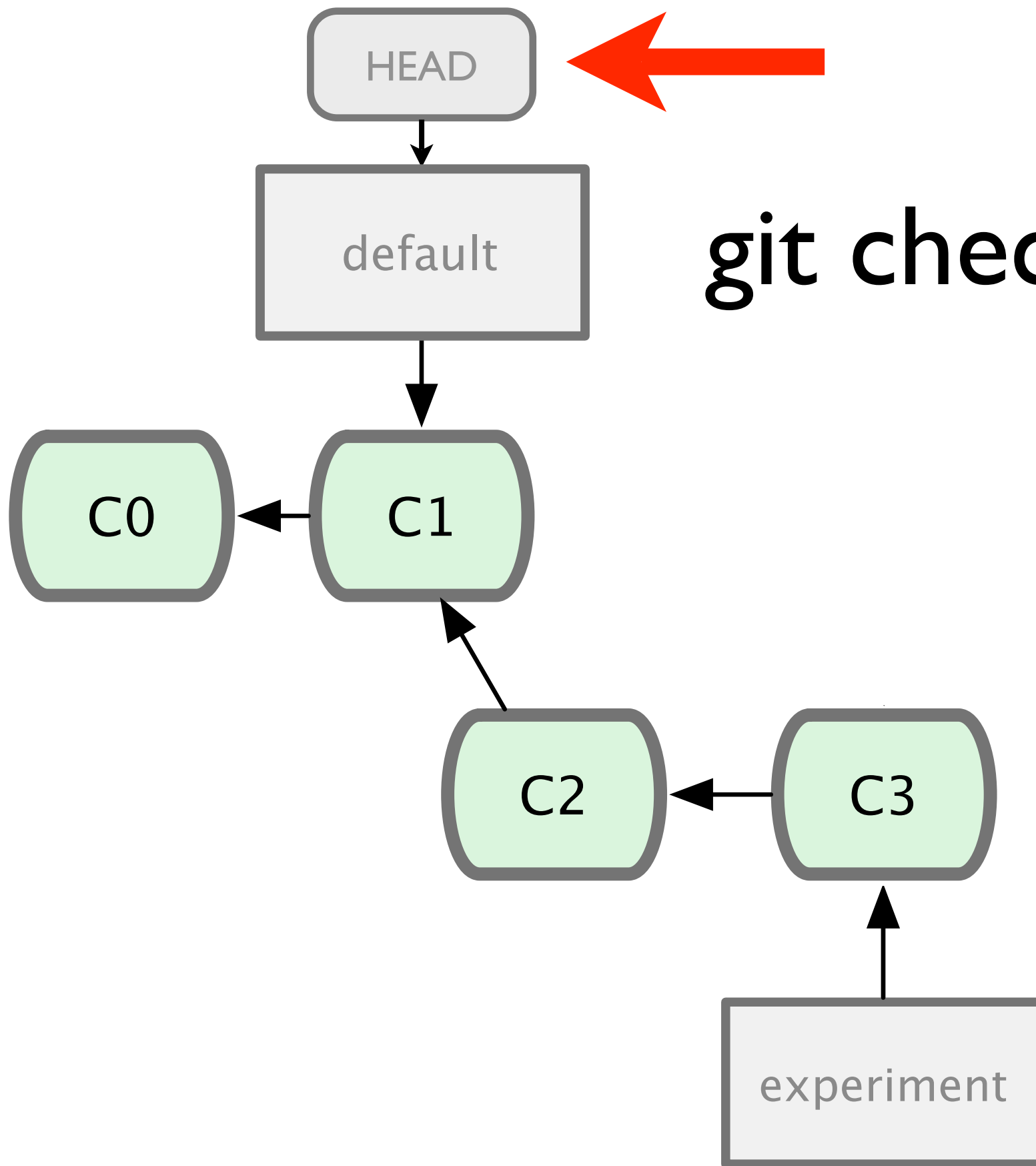
git commit



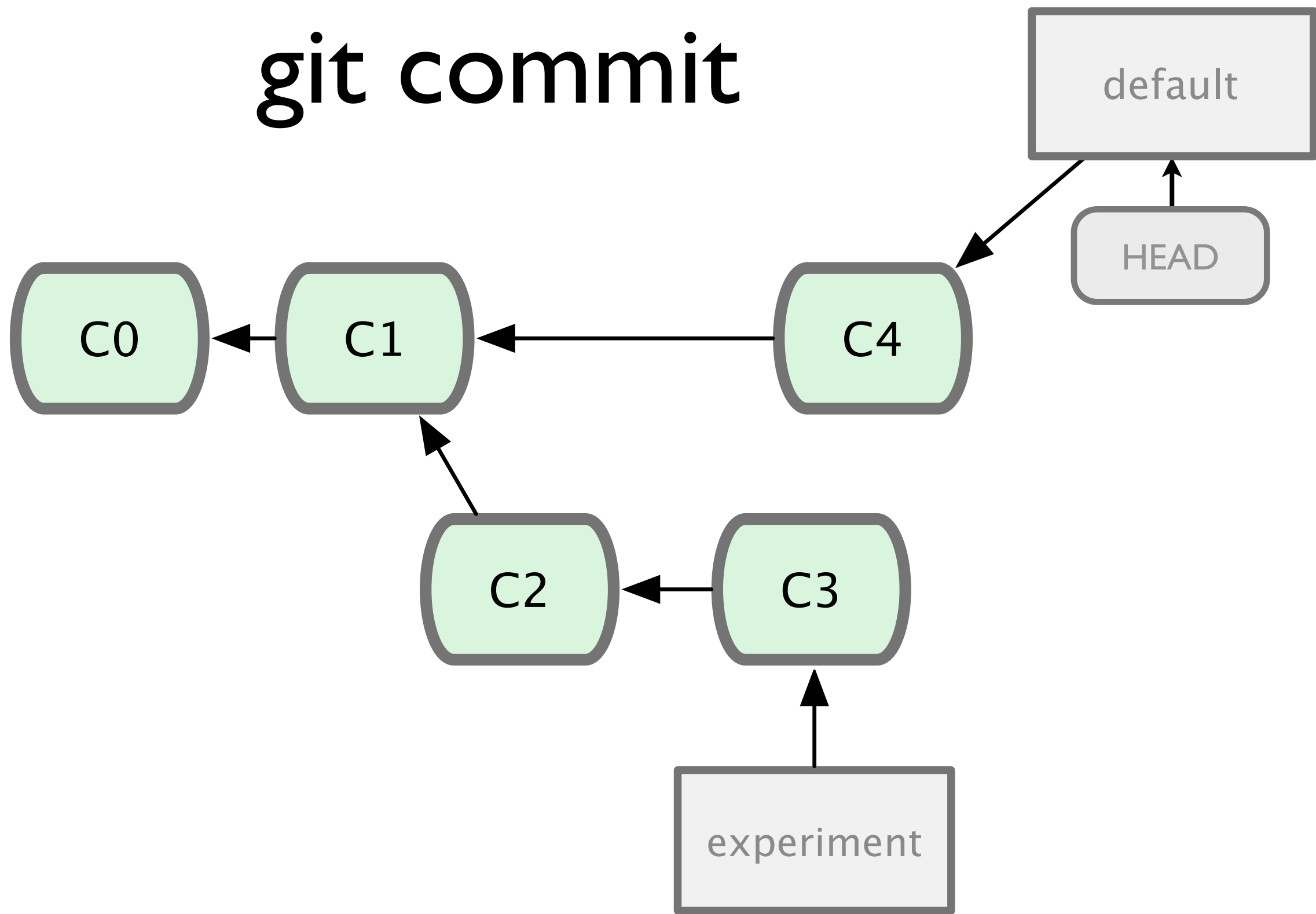
git commit
git commit

git checkout default

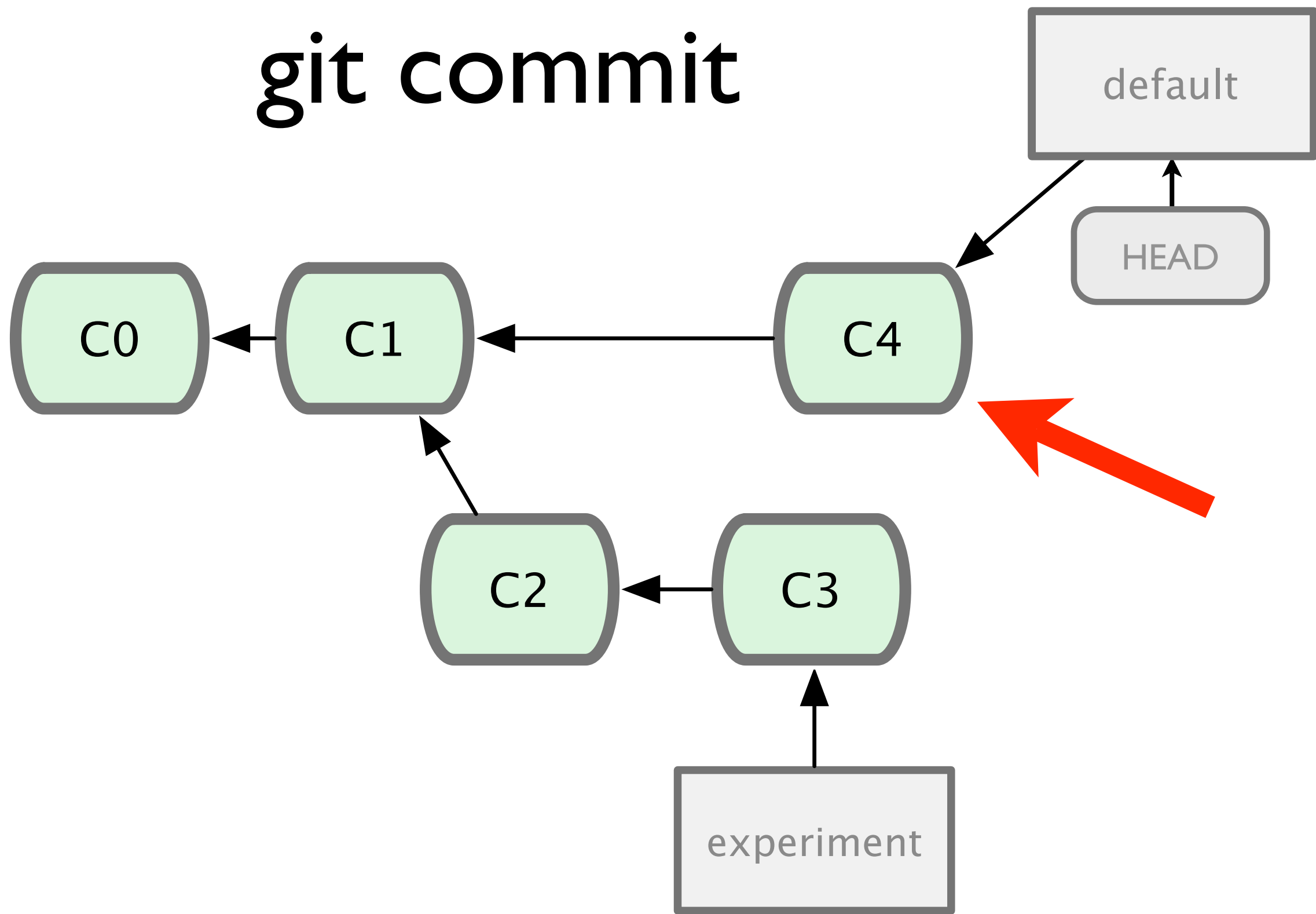




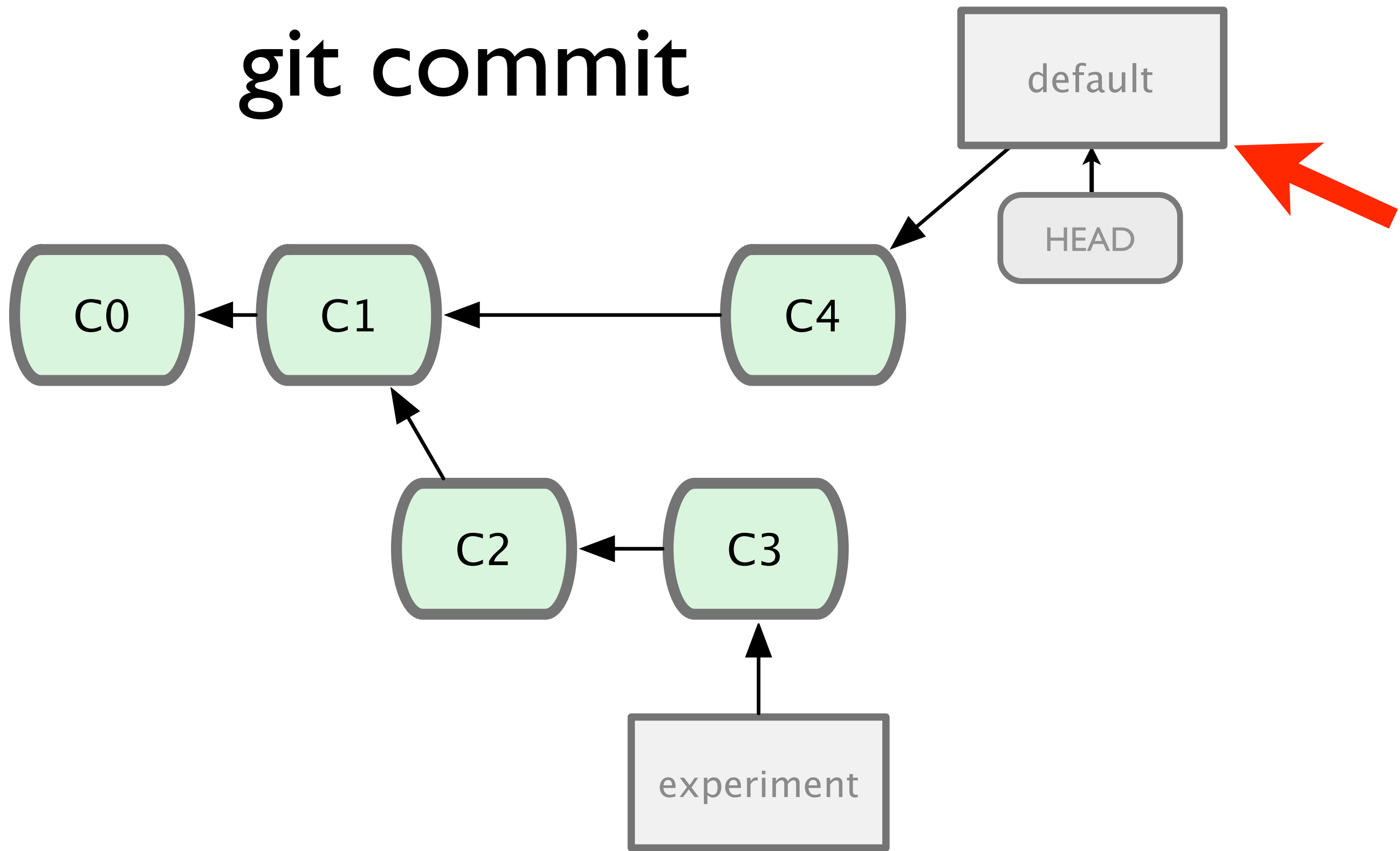
git commit

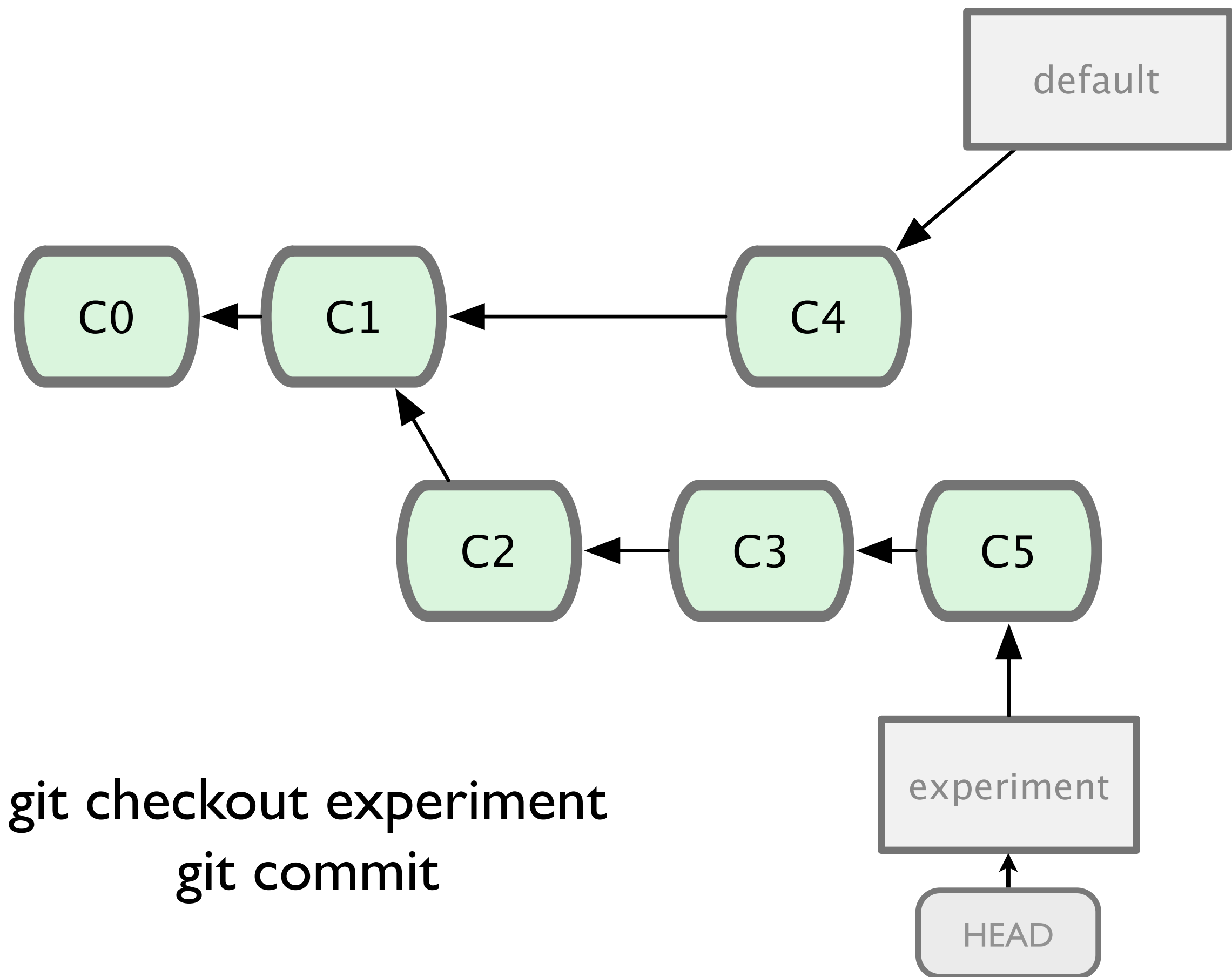


git commit

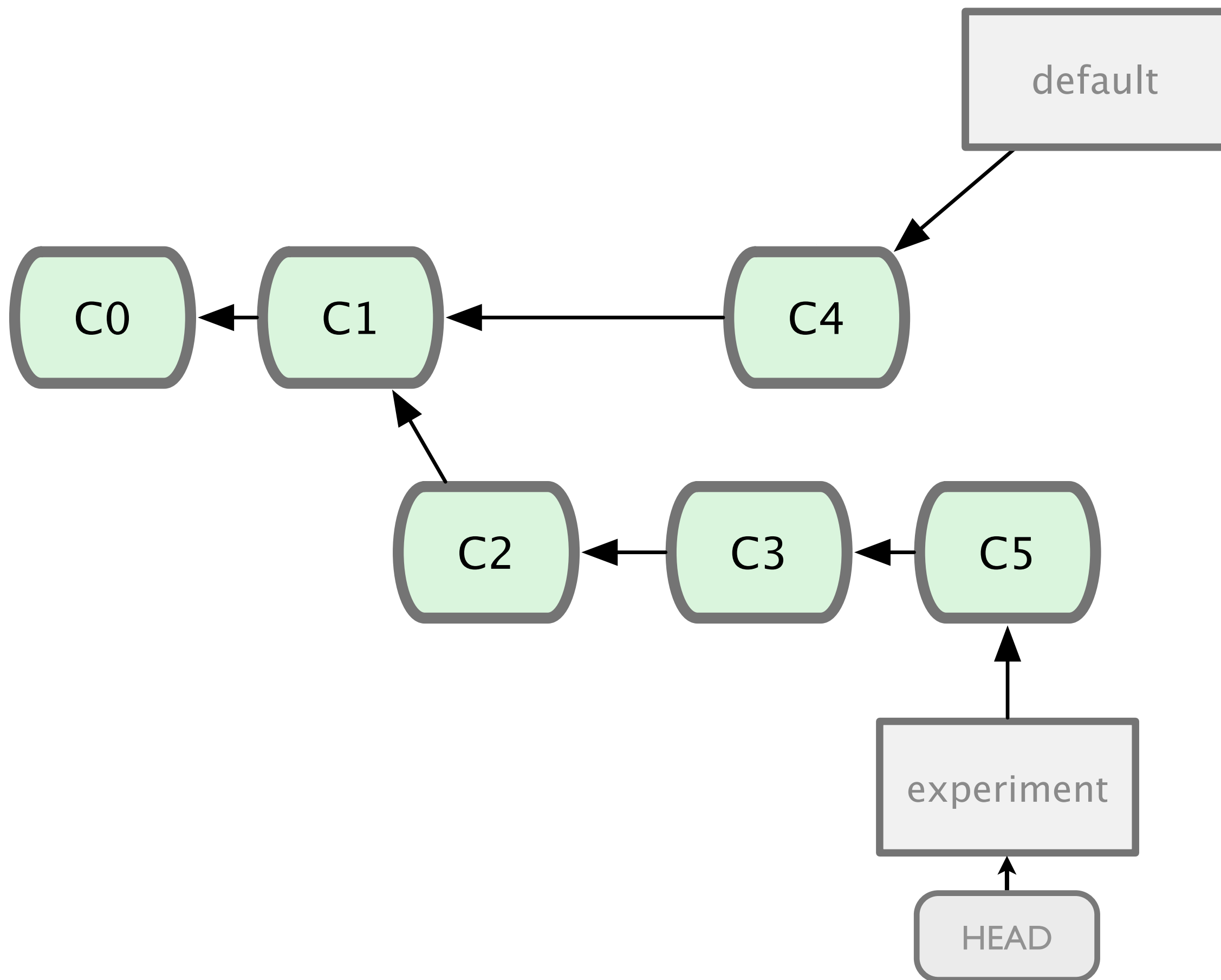


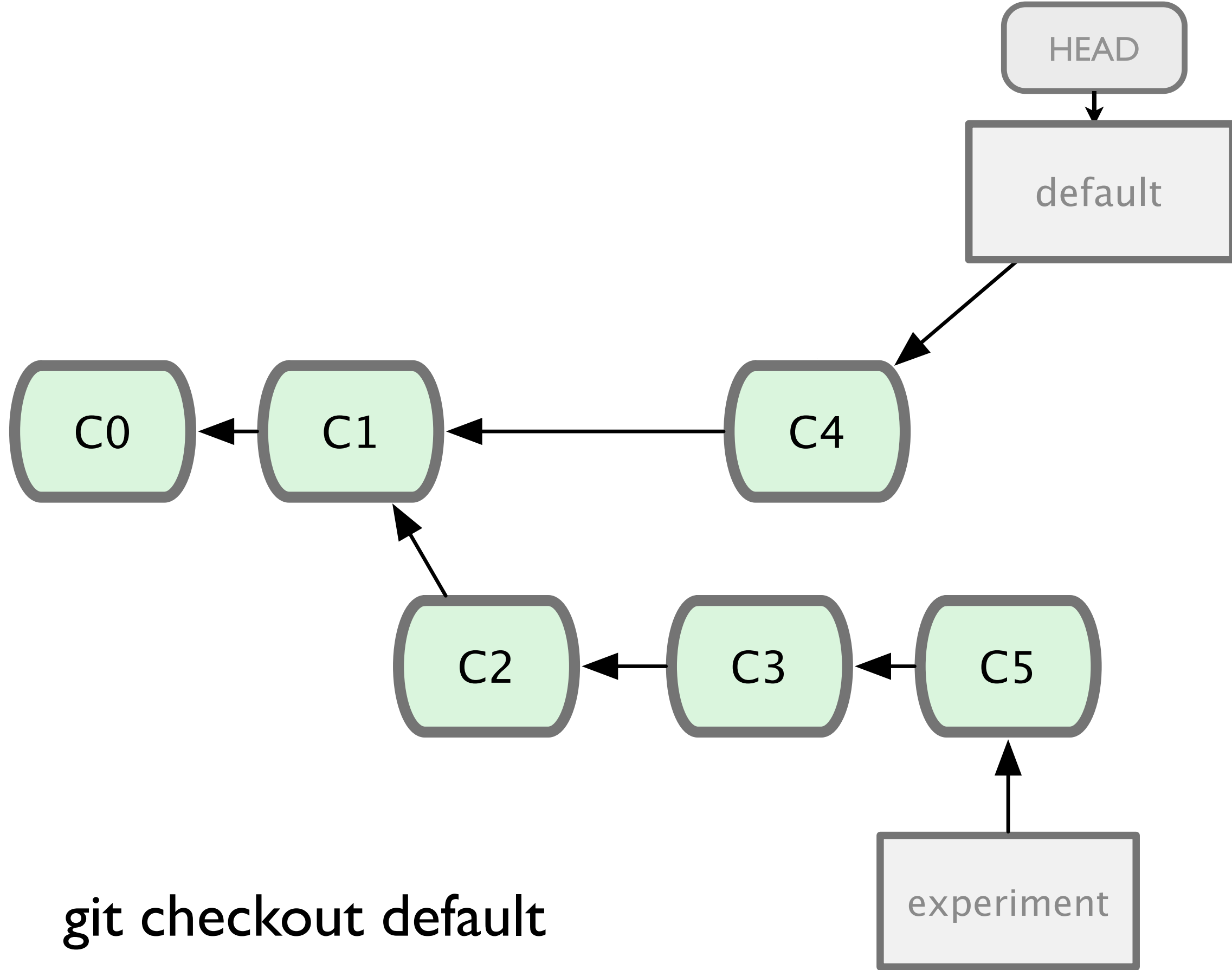
git commit

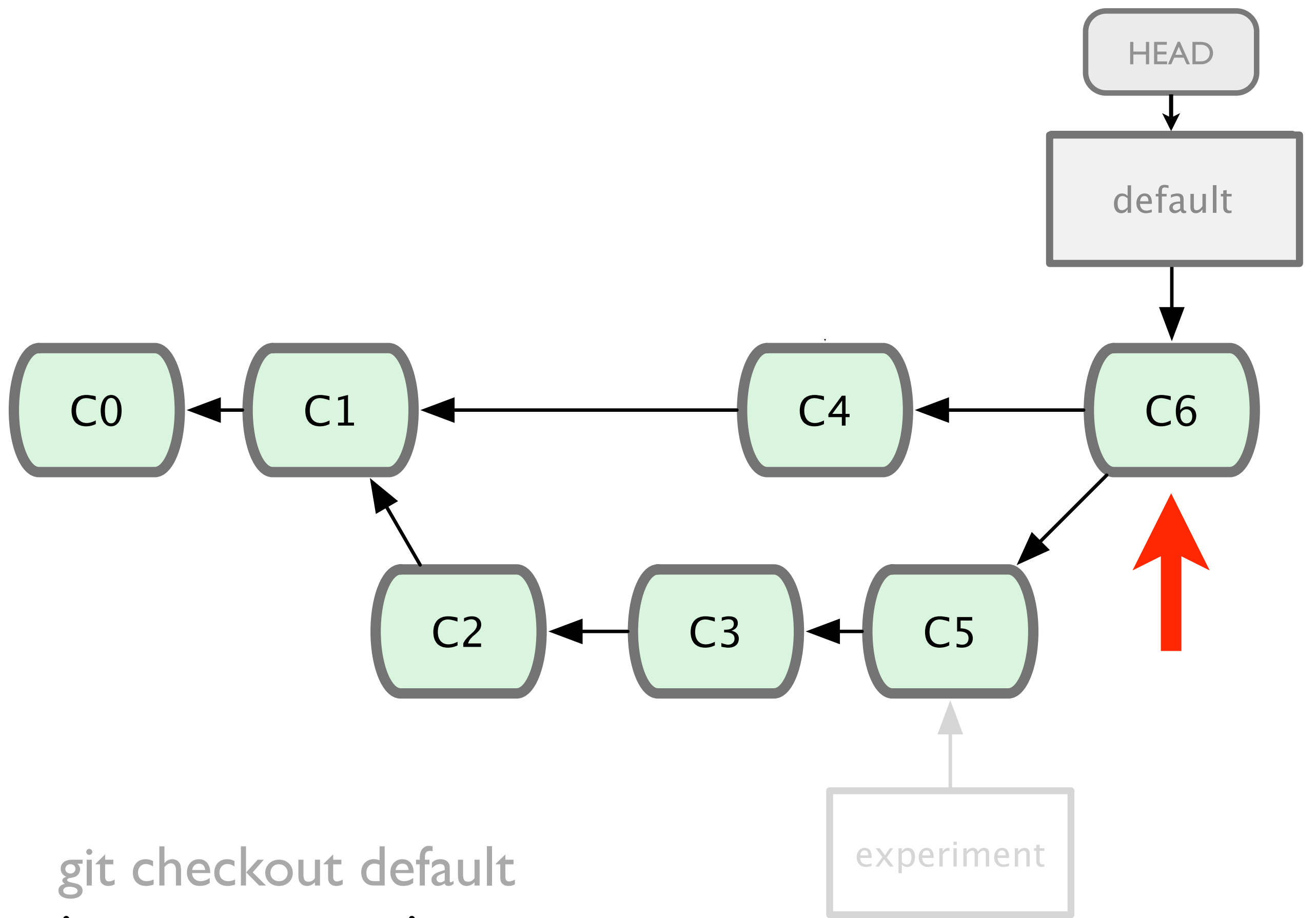




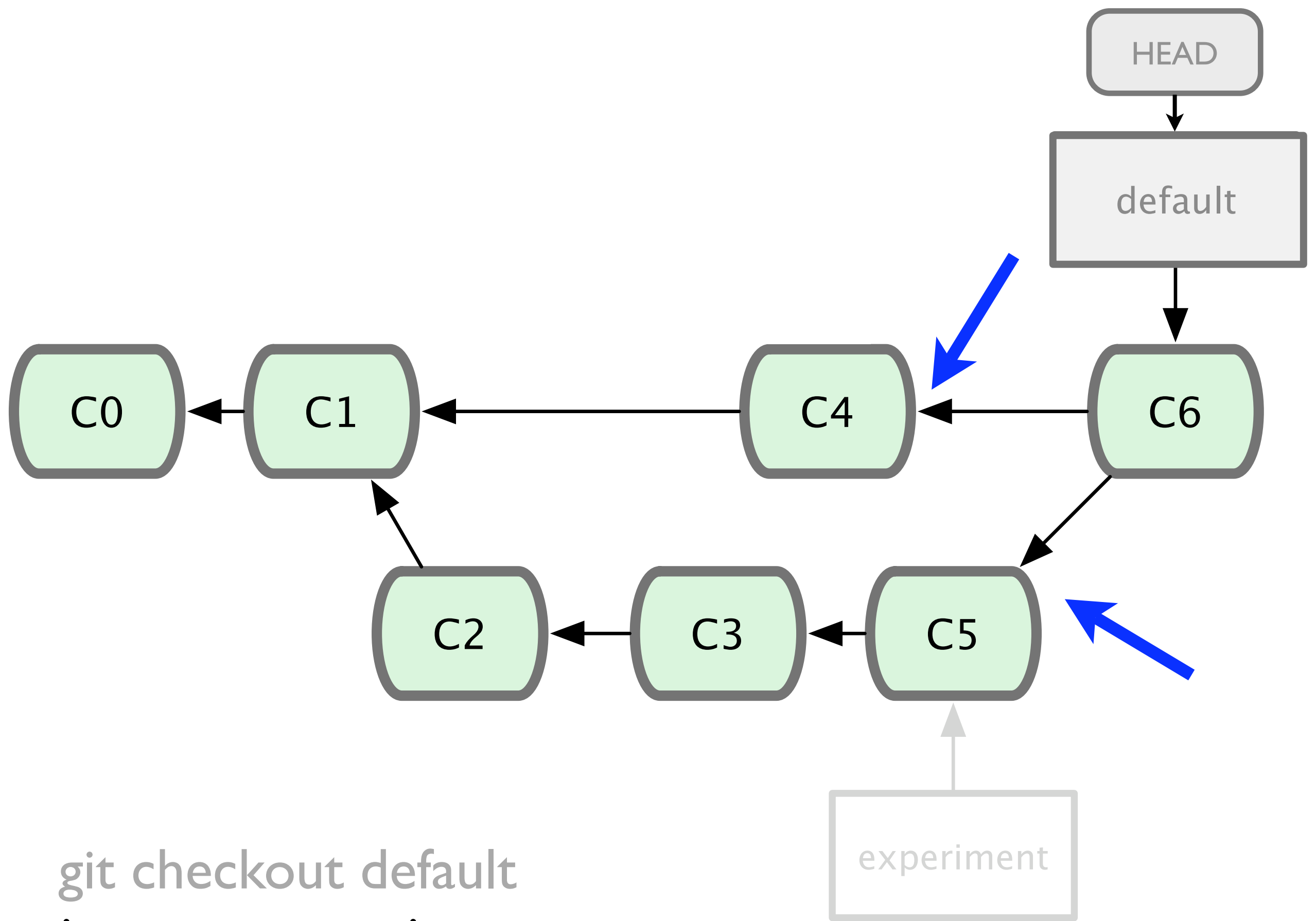
merging



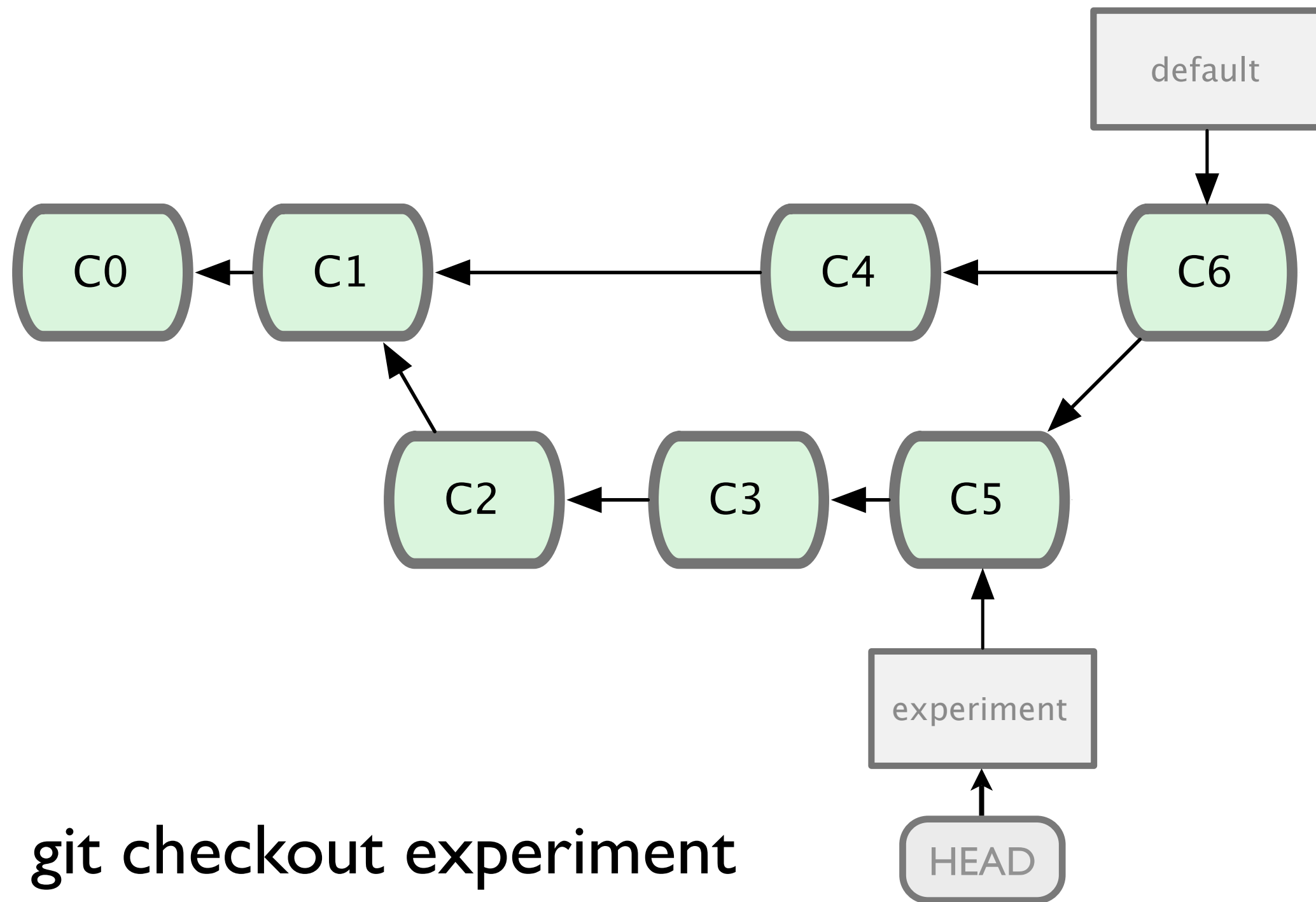


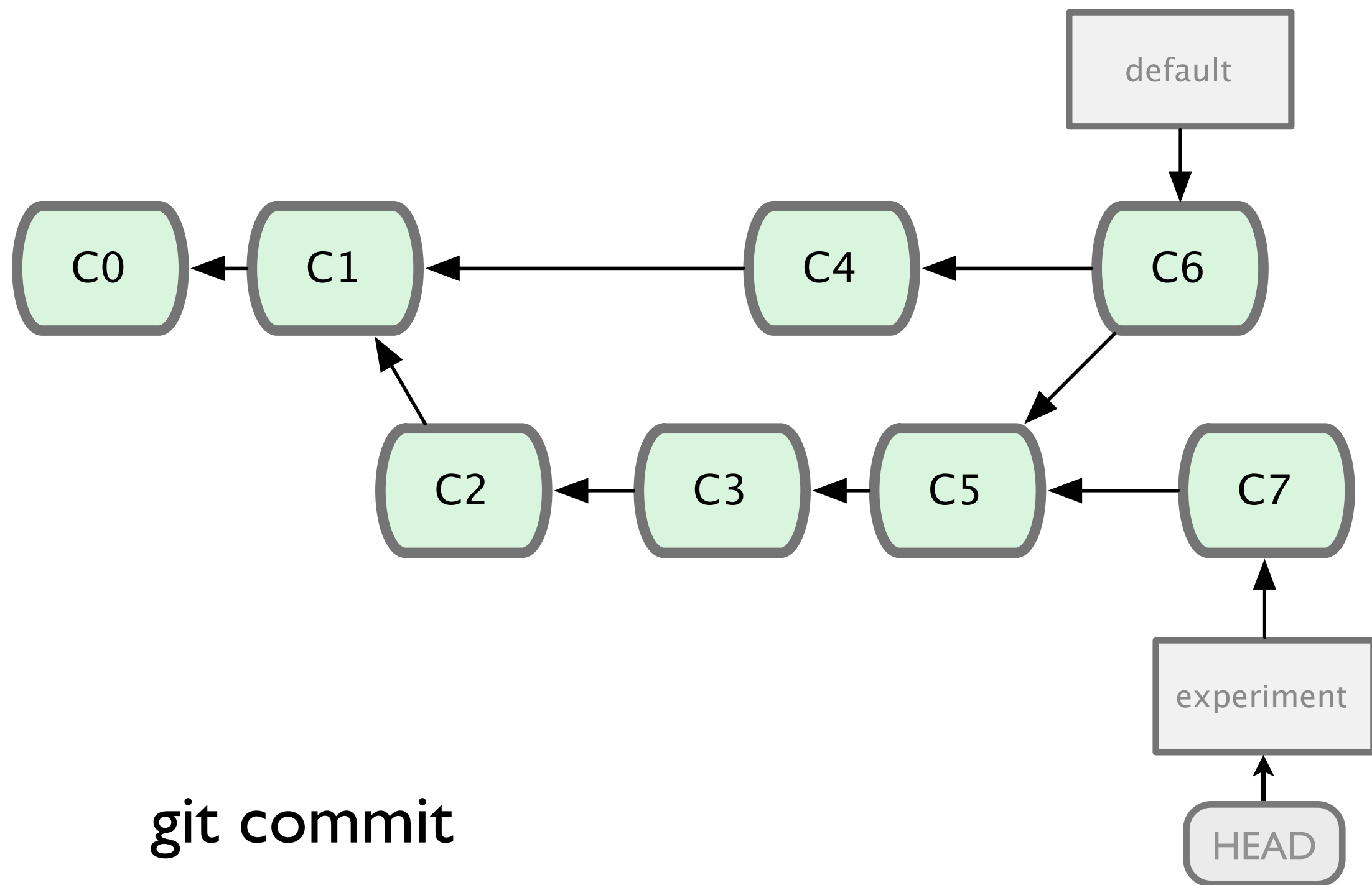


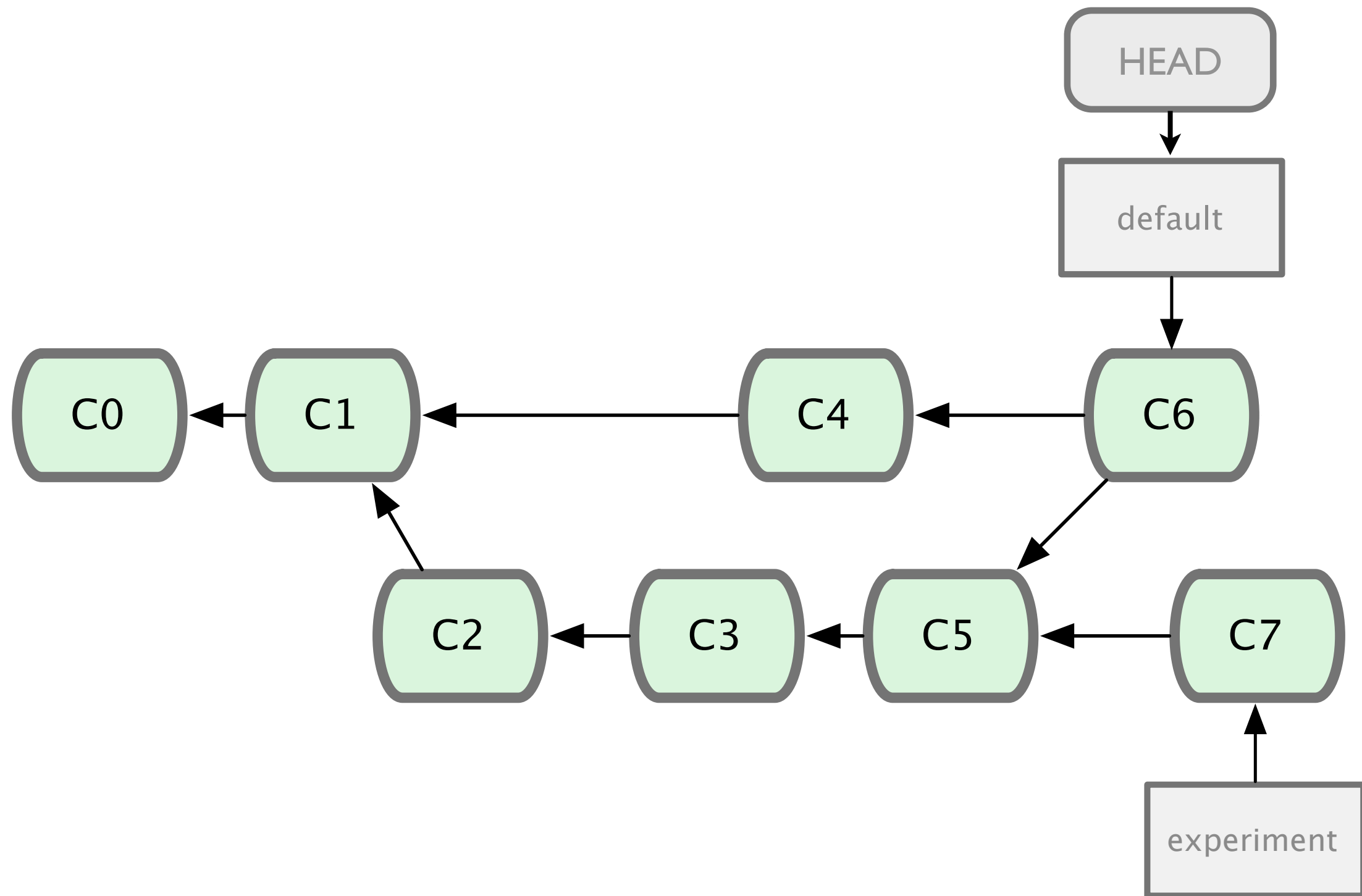
git checkout default
git merge experiment



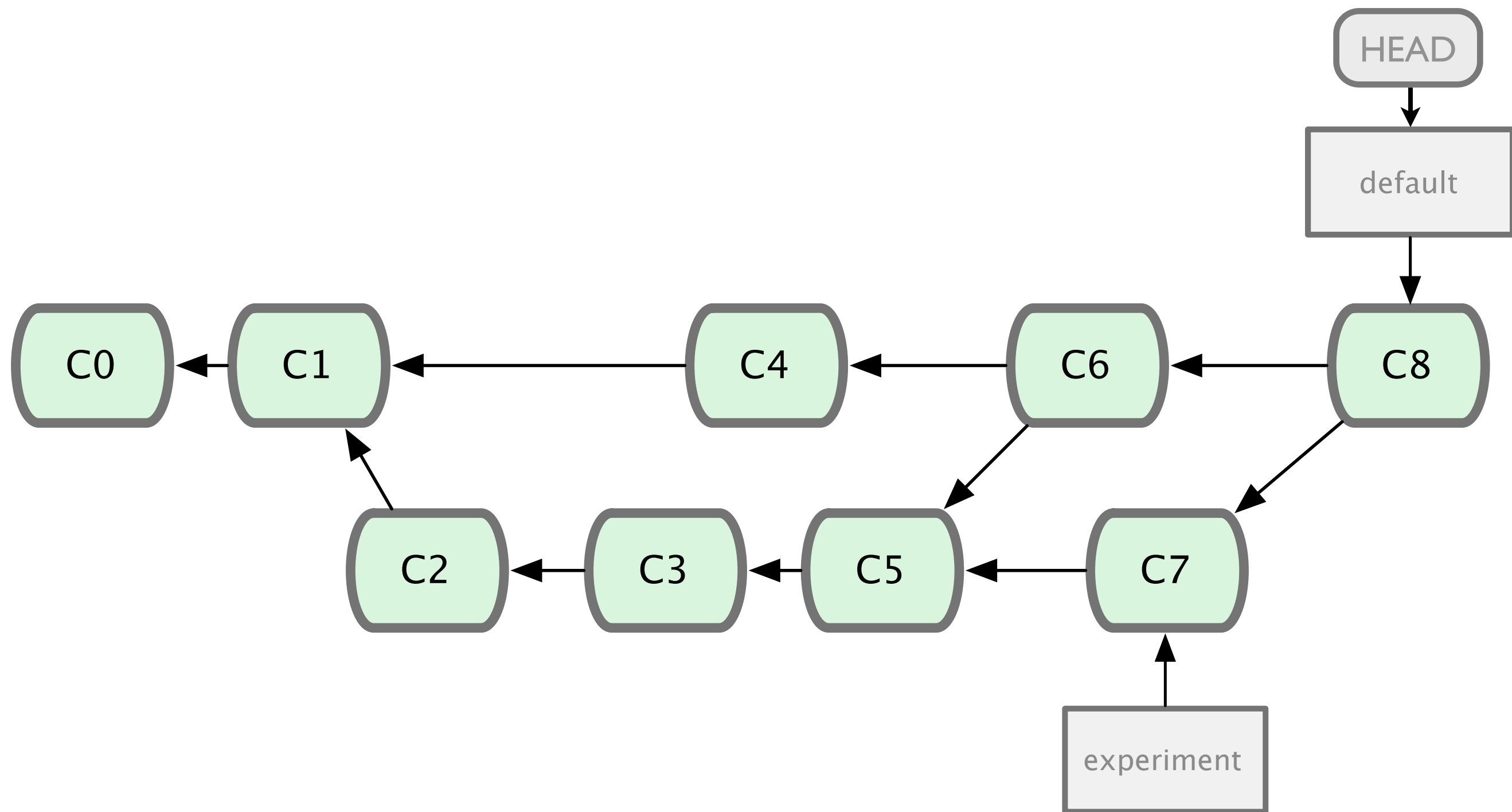
git checkout default
git merge experiment







git checkout default



git merge experiment

Local

Remote

working
directory

staging
area

localrepo

remote
repo

git add

git commit

git push

git pull

git checkout

git merge

