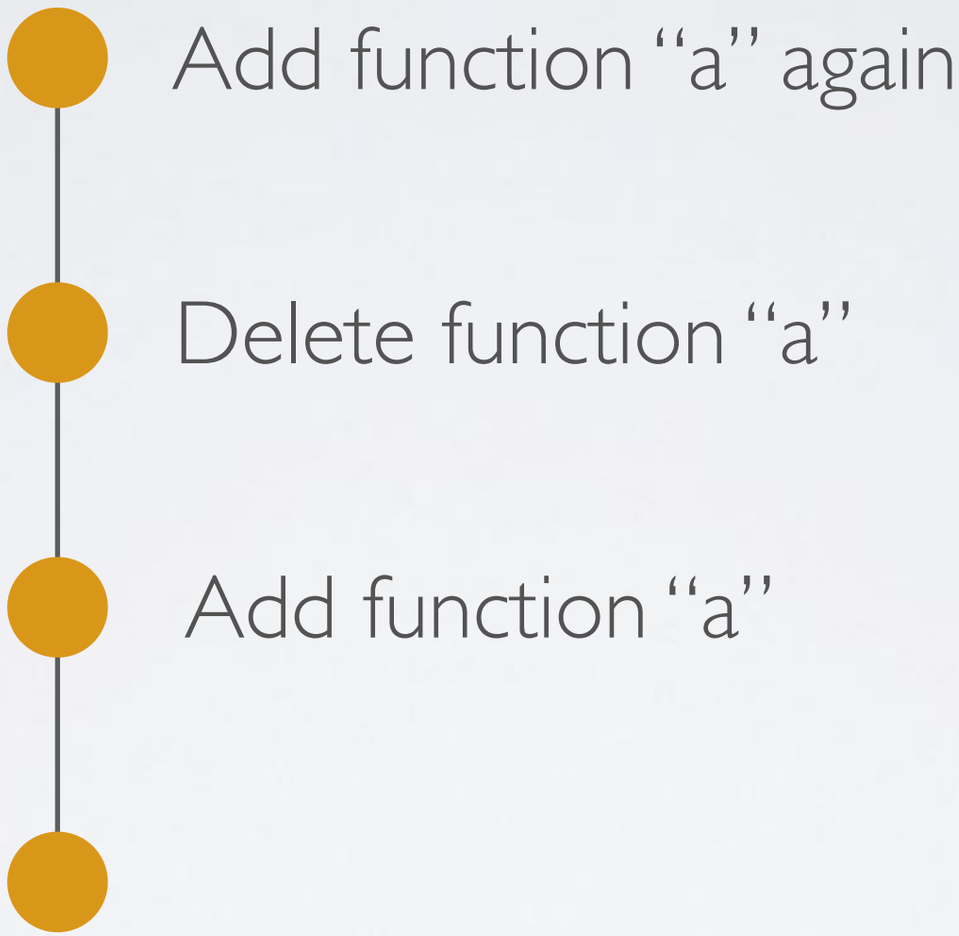
SWPP PRACTICE

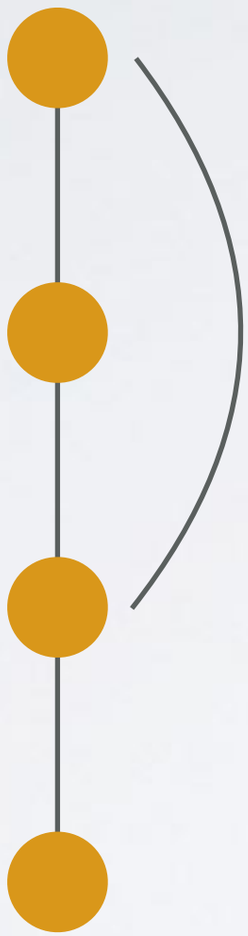
2018.03.13

- Squashing
- Merging
- Fast-forward merge
- Merge conflicts

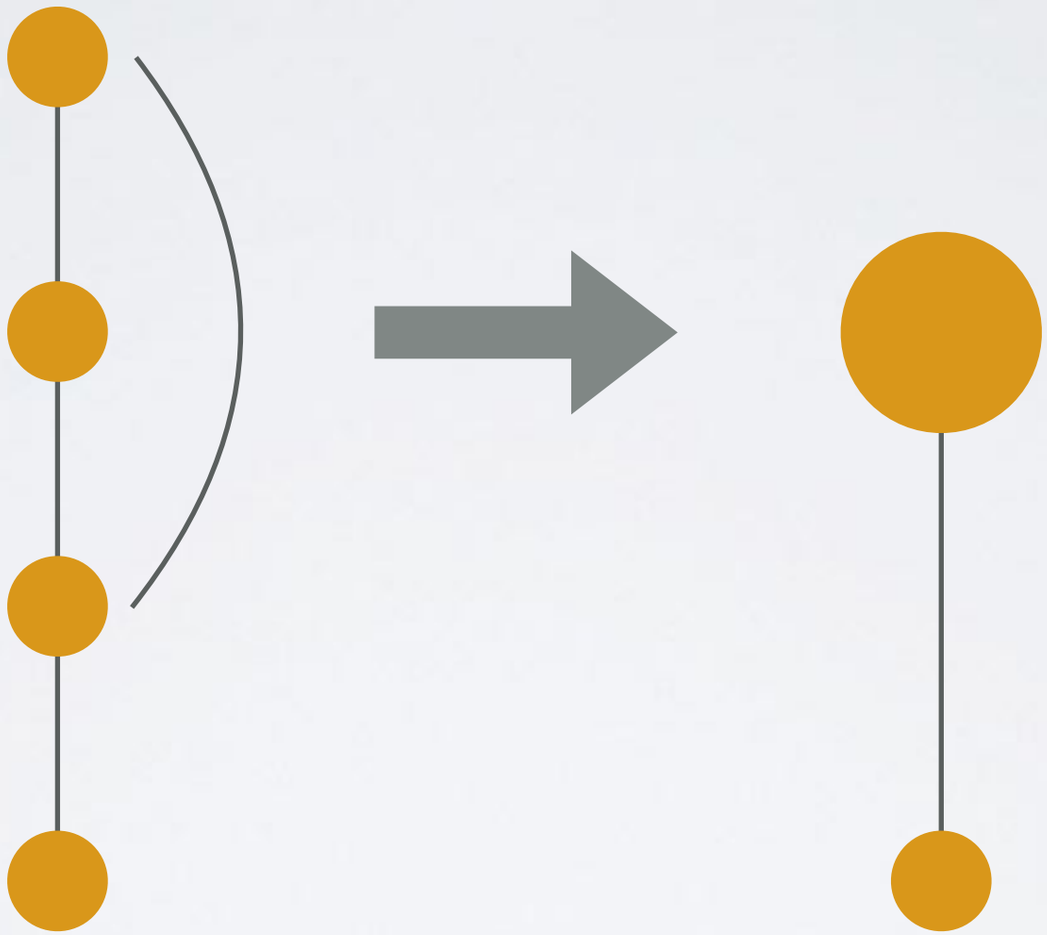
Squashing



Squashing



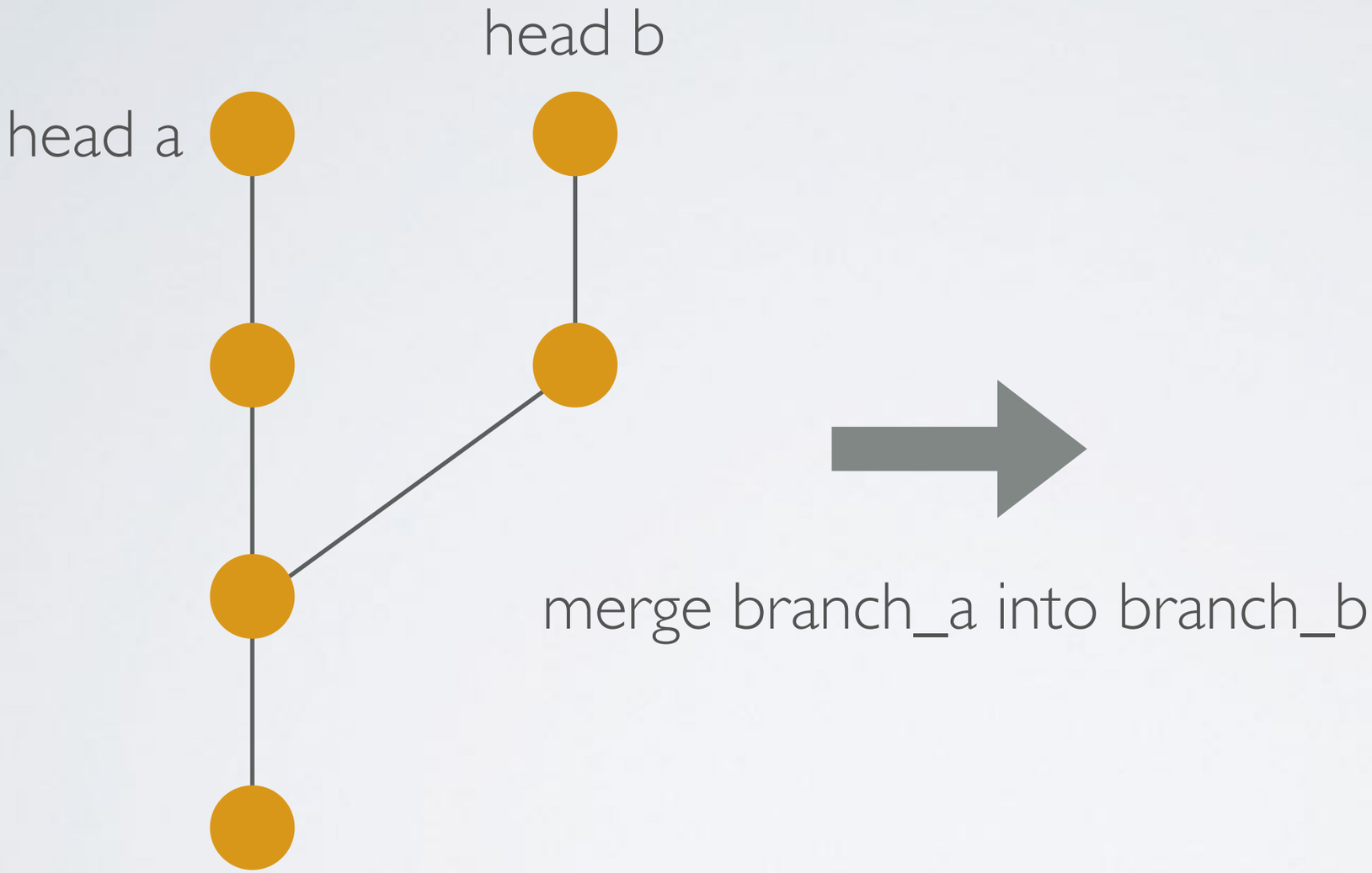
Squashing



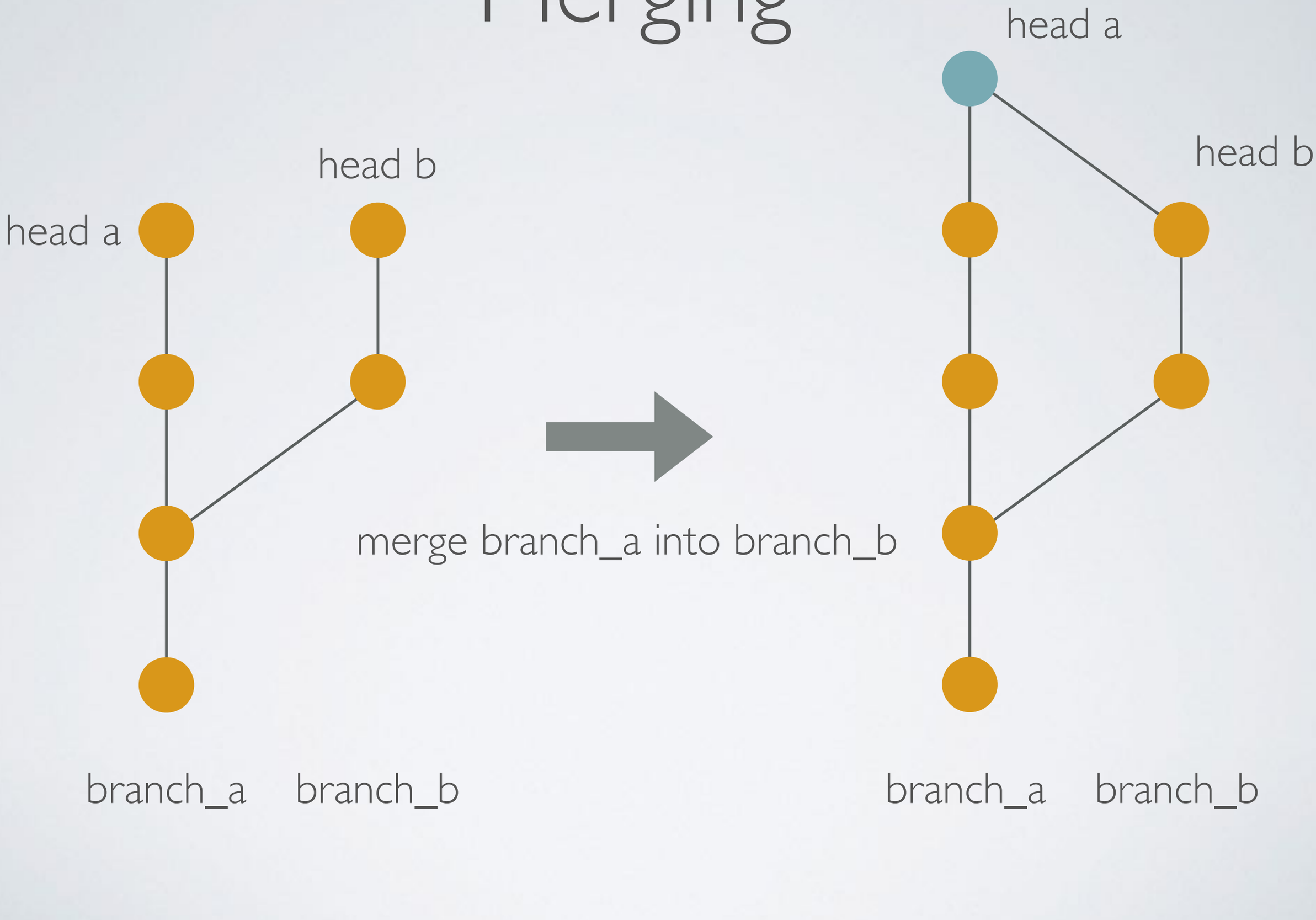
Squashing

- git reset <hash_of_commit>
  - reset head to specified commit
    - soft reset preserves the current files
- git rebase -i <hash_of_commit>
  - modify existing commits

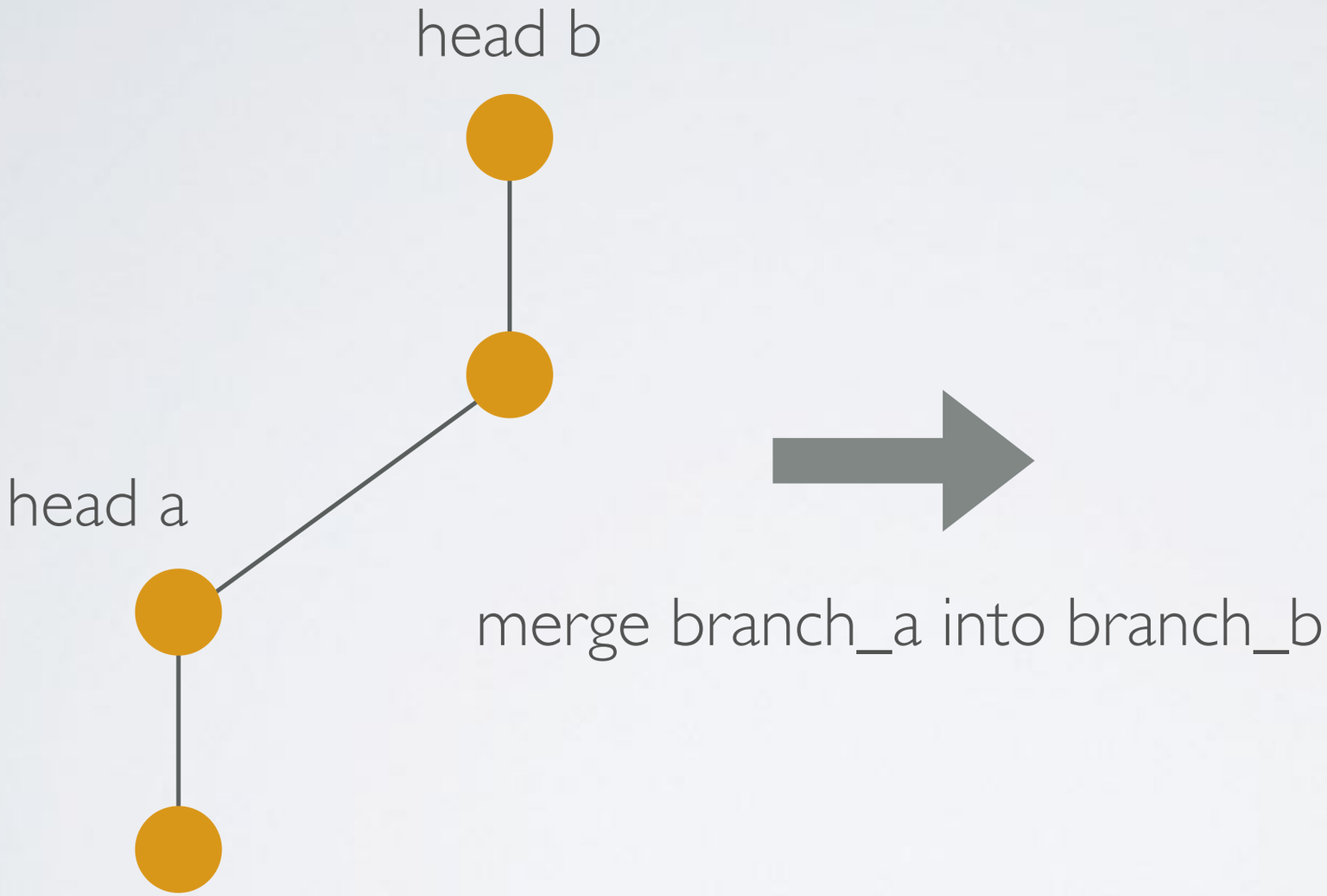
Merging



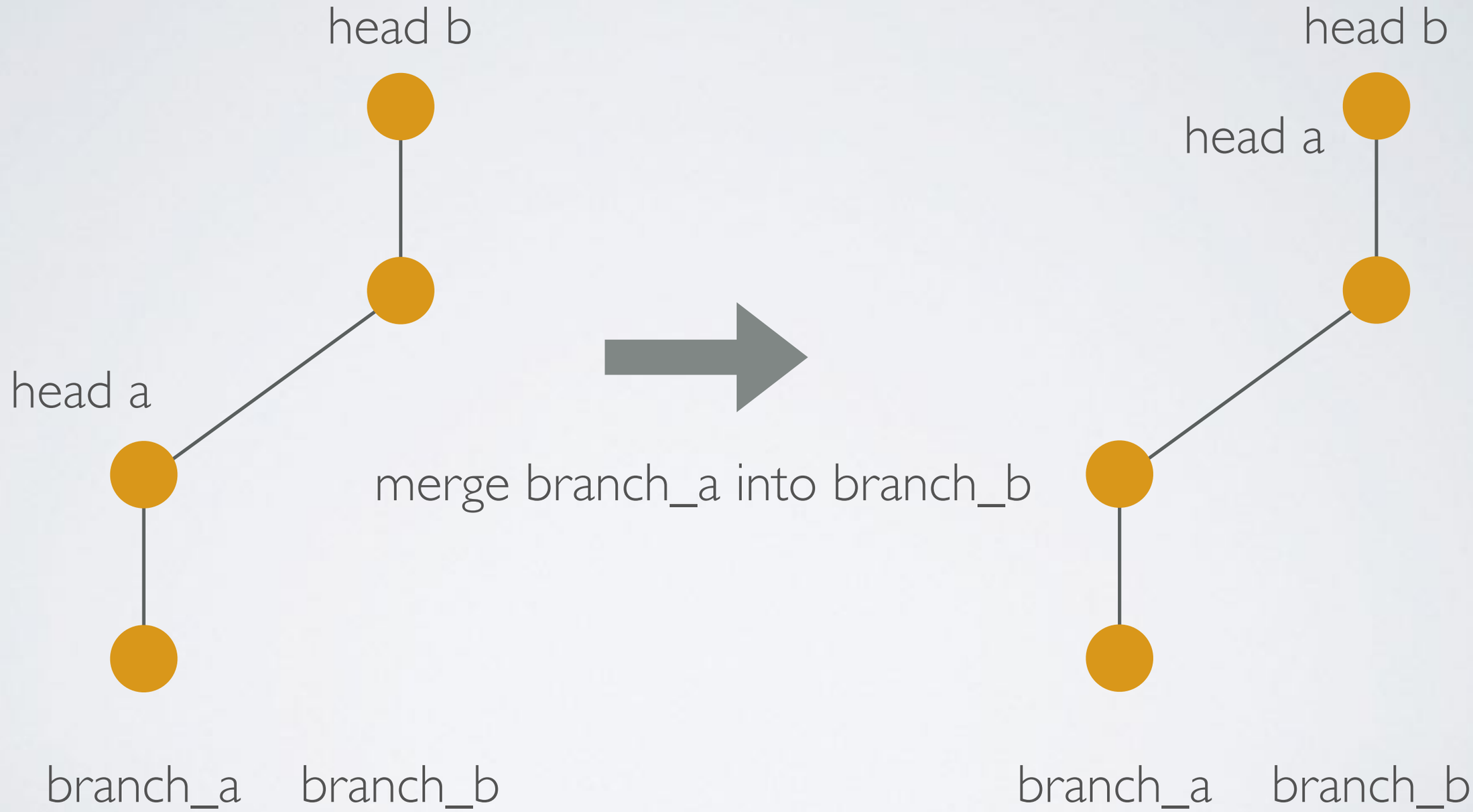
Merging


head a
head b
head a
head b
merge branch_a into branch_b
branch_a
branch_b
branch_a
branch_b

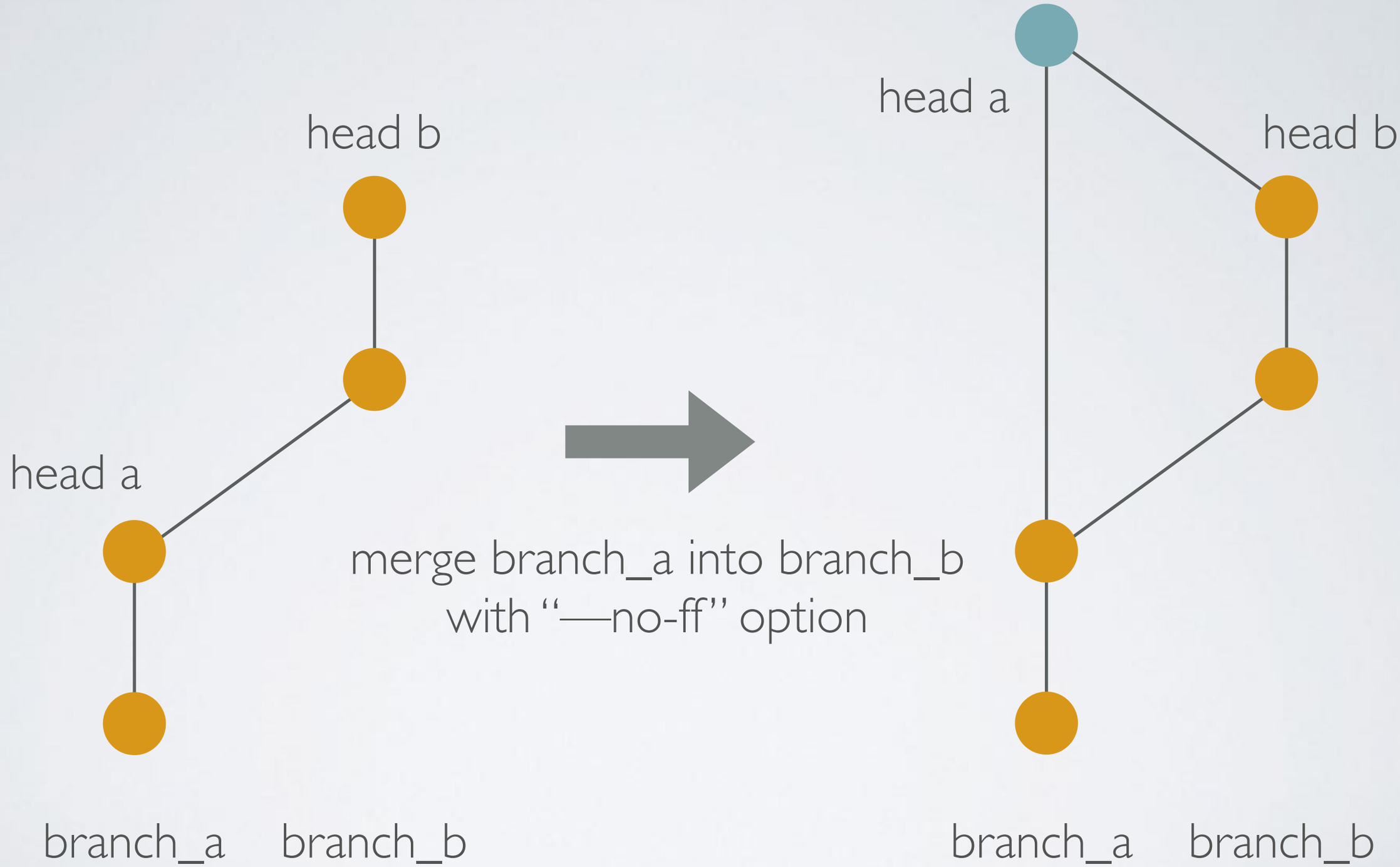
Fast-Forward Merge



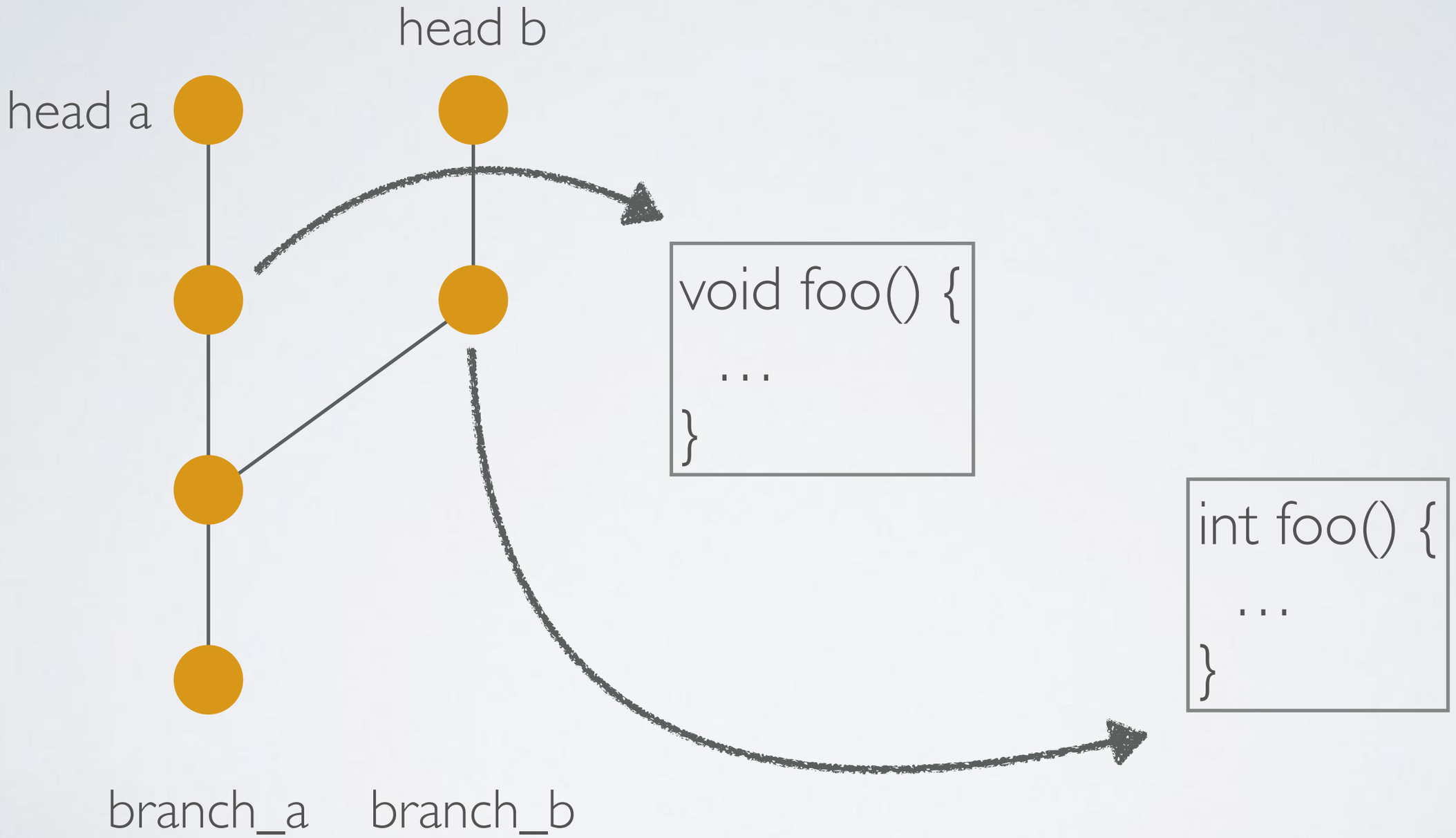
Fast-Forward Merge



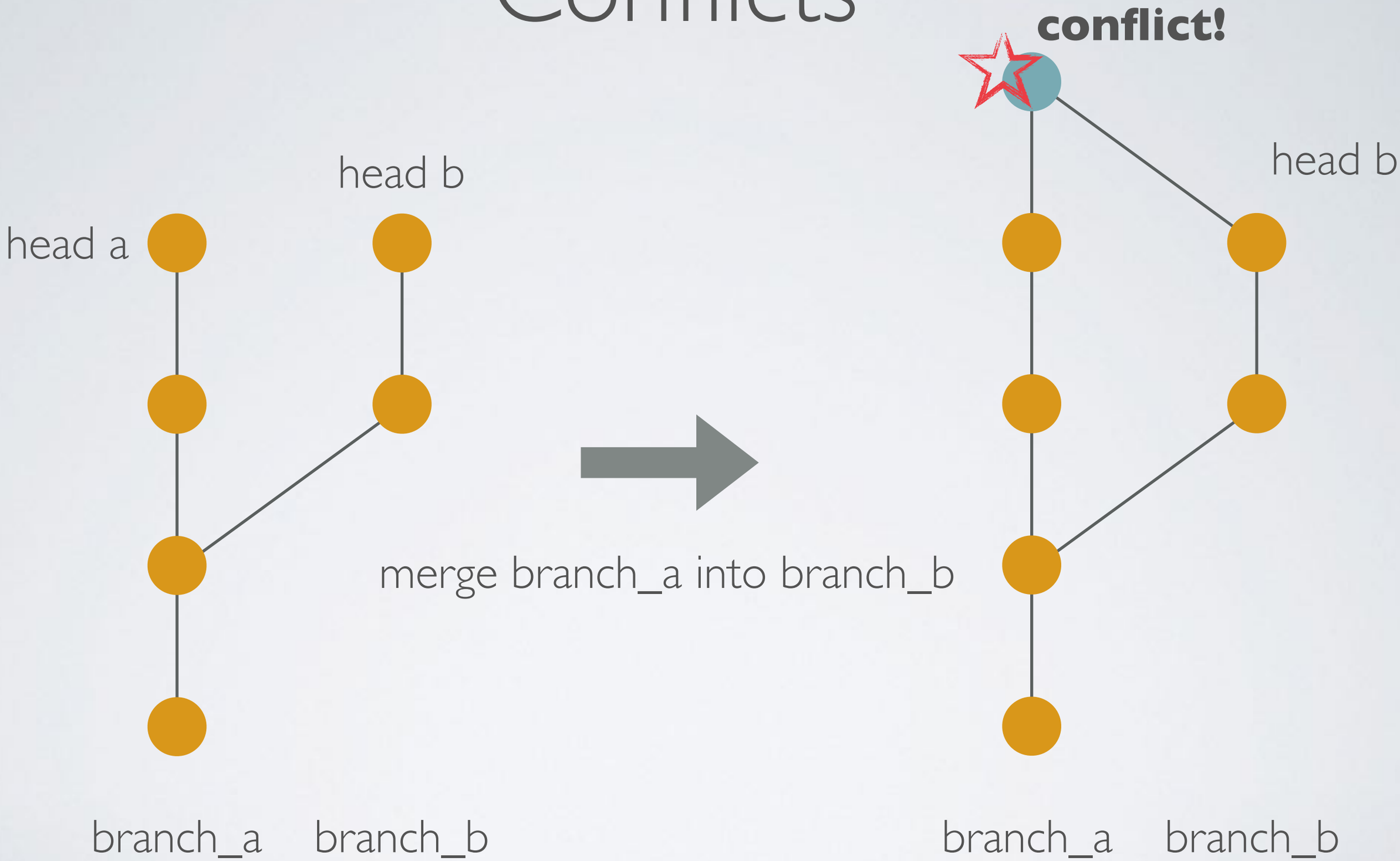
Non Fast-Forward Merge



Conflicts

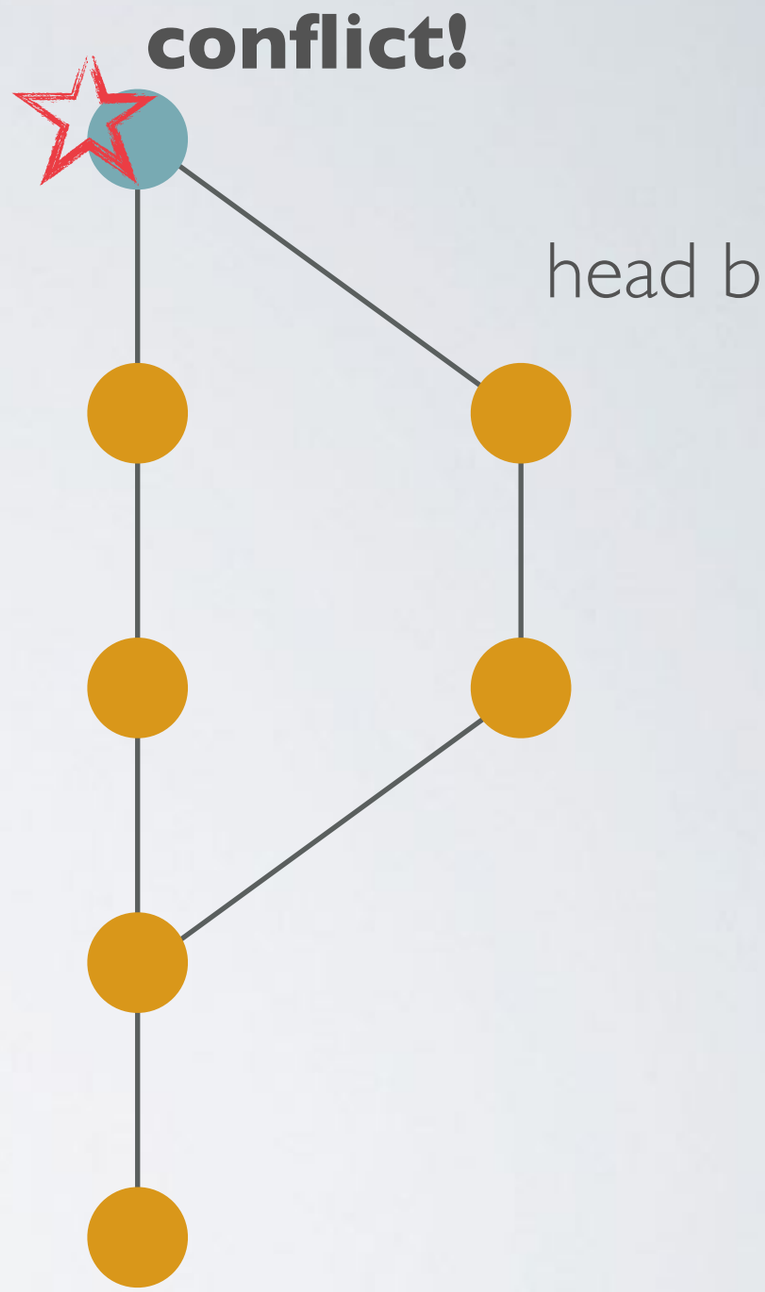


Conflicts


head a
head b
merge branch_a into branch_b
conflict!
head b
branch_a
branch_b
branch_a
branch_b

Conflicts

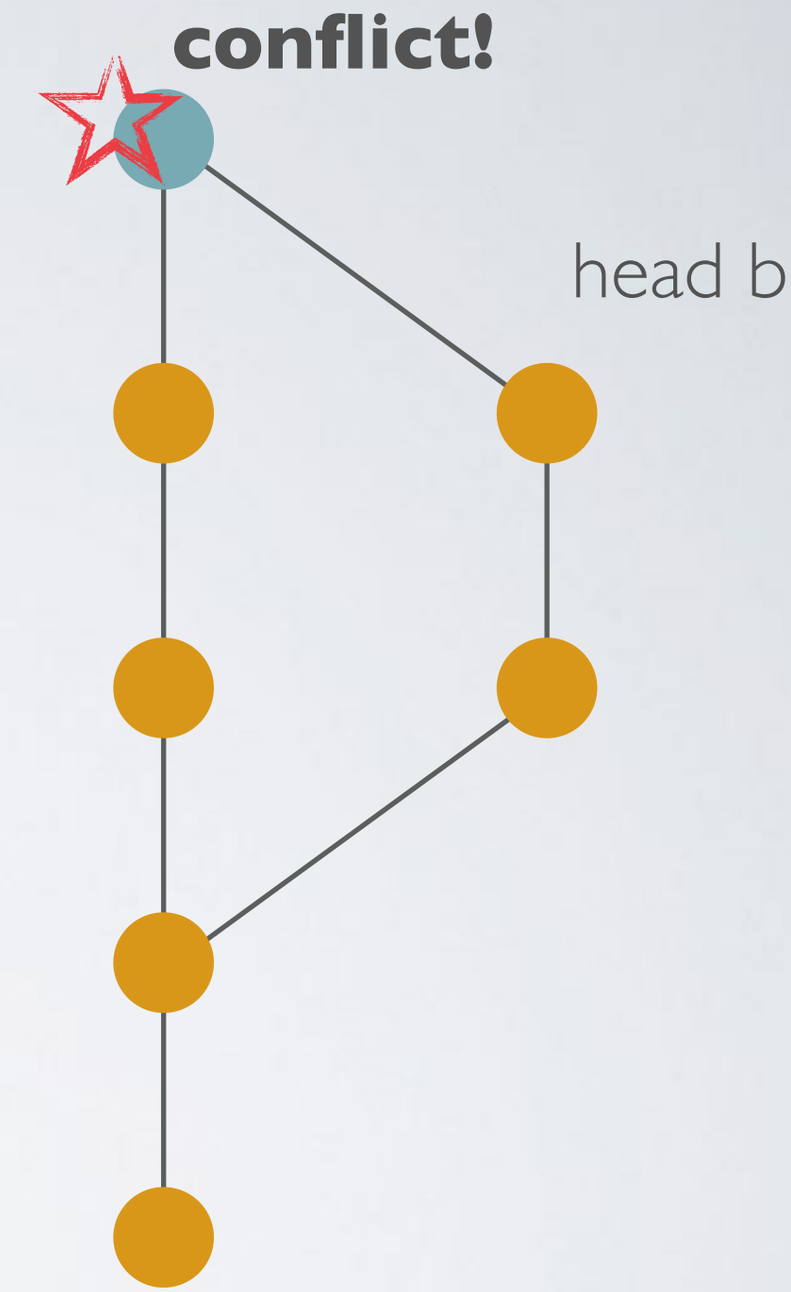
```
<<<<<<< HEAD
void foo() {
=======
int foo() {
>>>>>>> branch_b

  ...
}
```



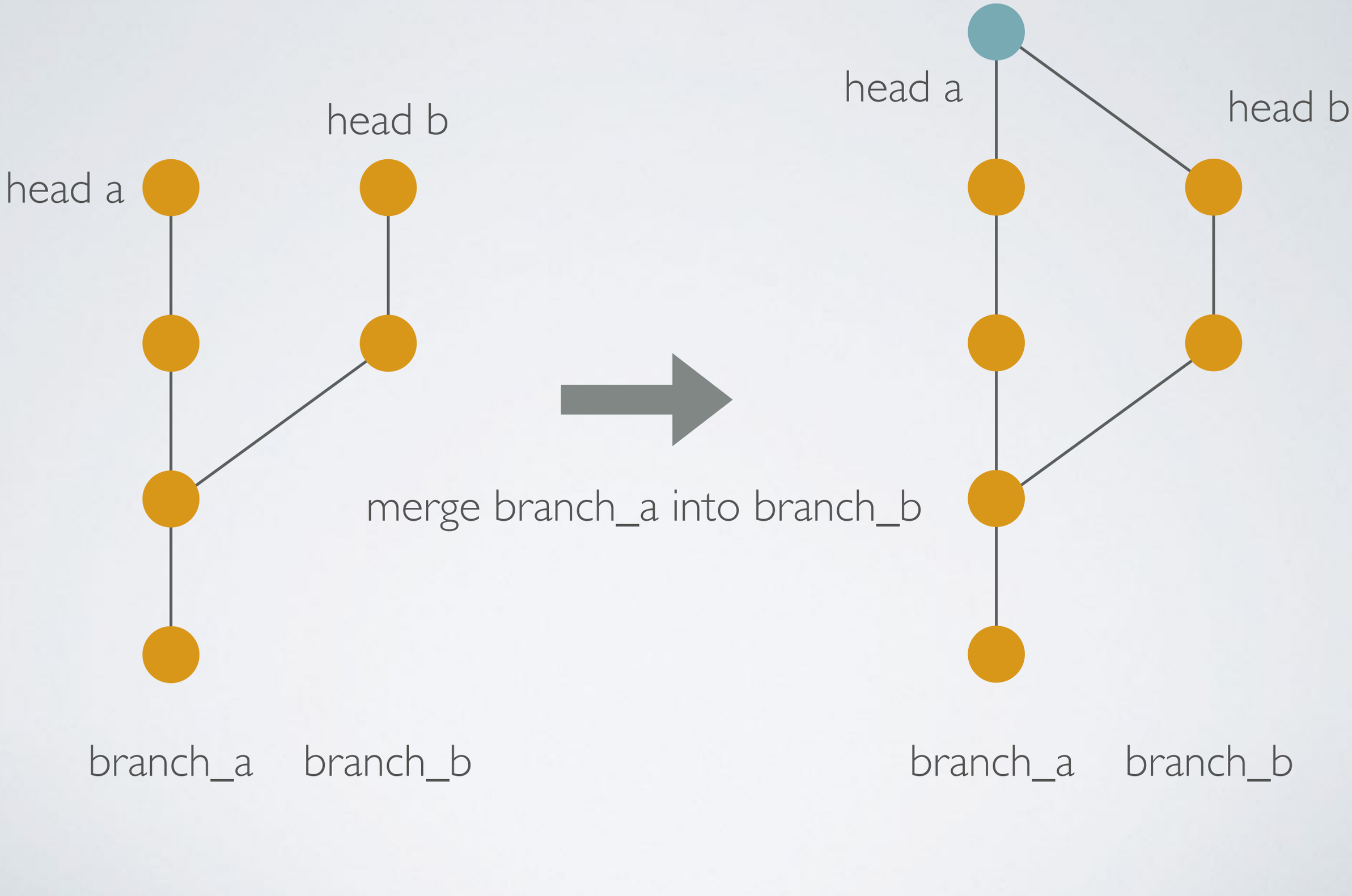
Conflicts

```
<<<<<<< HEAD
void foo() {
=======
int foo() {
>>>>>>> branch_b
   ...
}
```

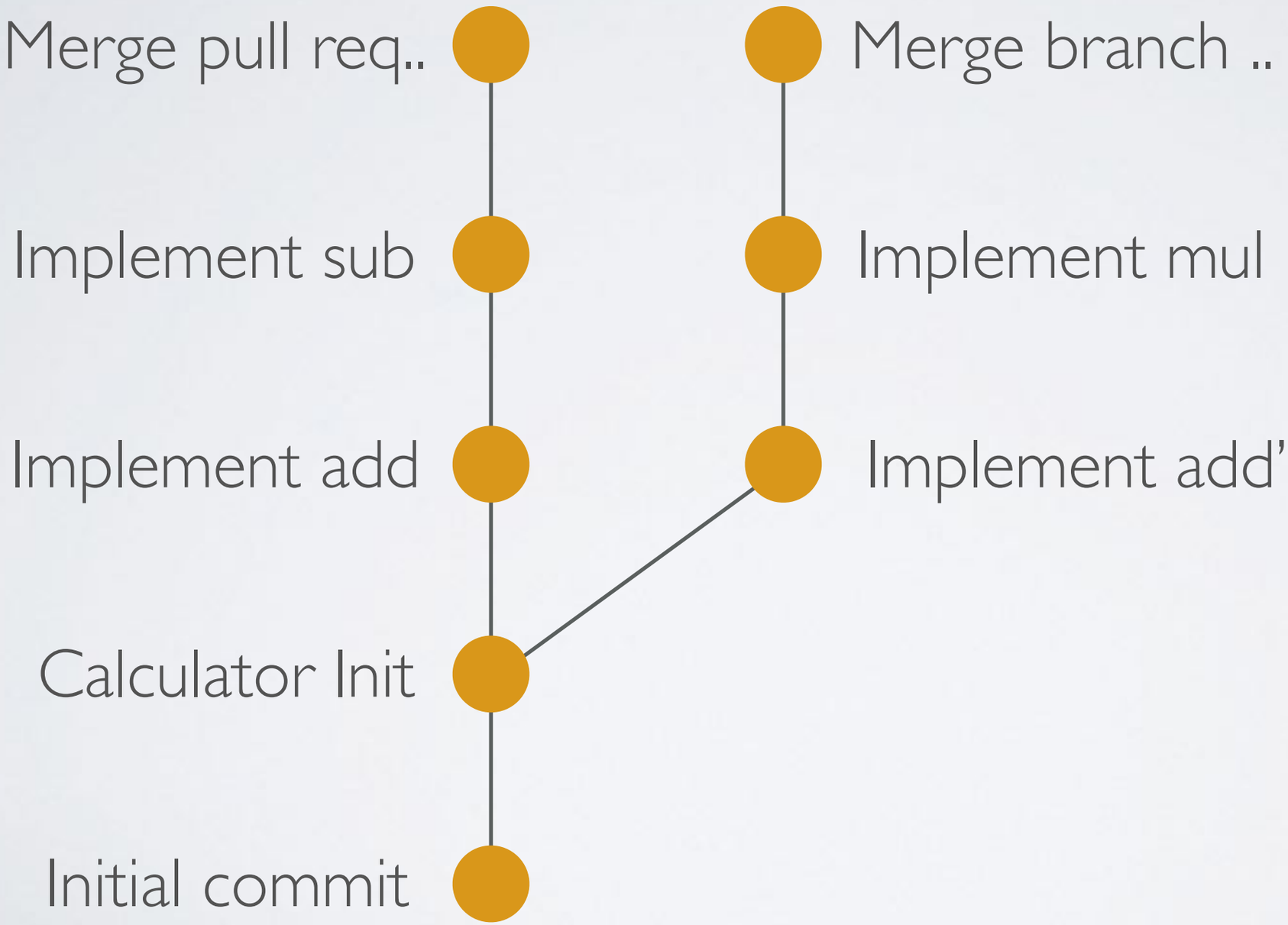
git add & git commit



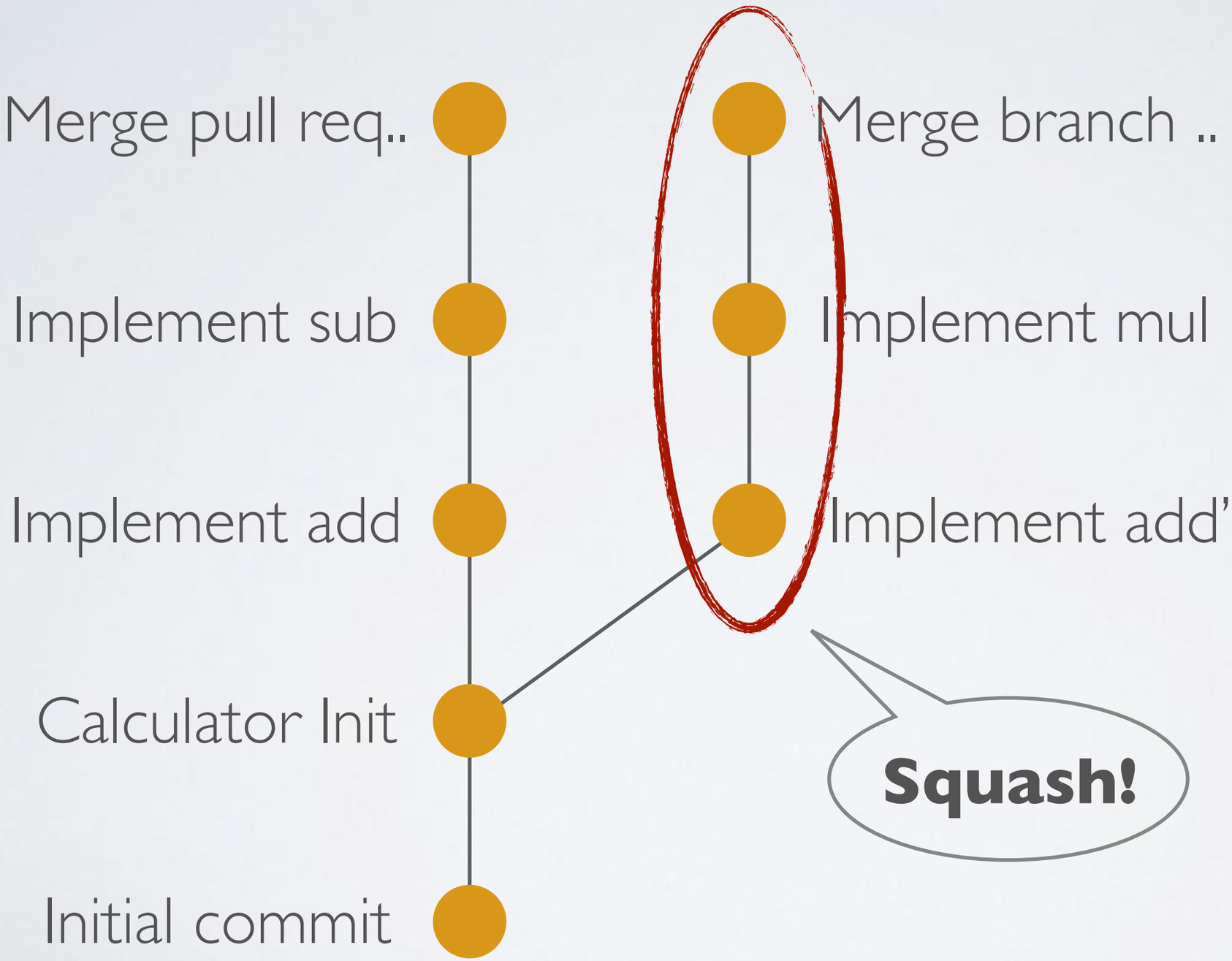
Conflicts


head a
head b
merge branch_a into branch_b
head a
head b
branch_a
branch_b
branch_a
branch_b

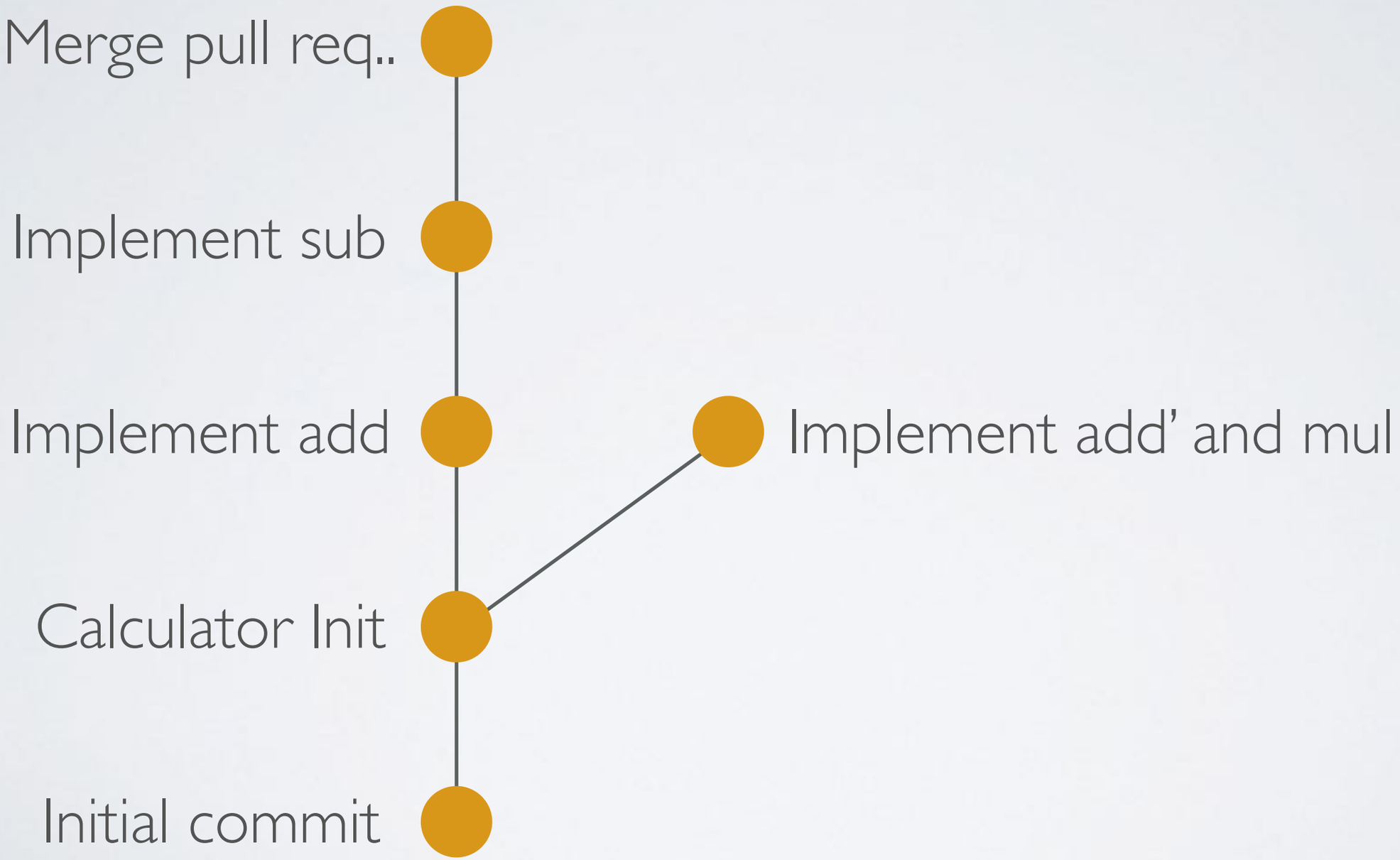
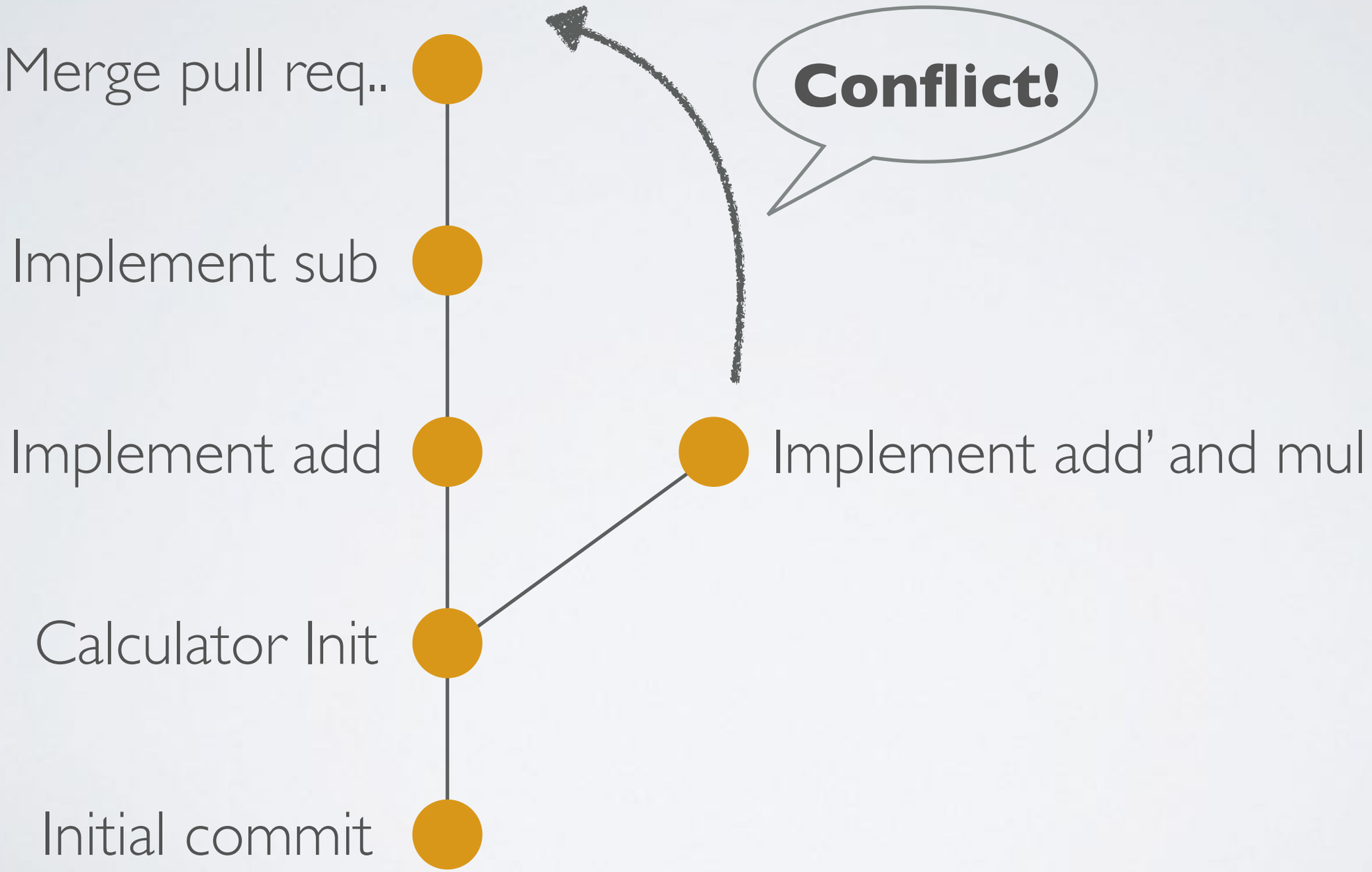
Assignment 1-2



Assignment 1-2



Assignment 1-2



Assignment 1-2