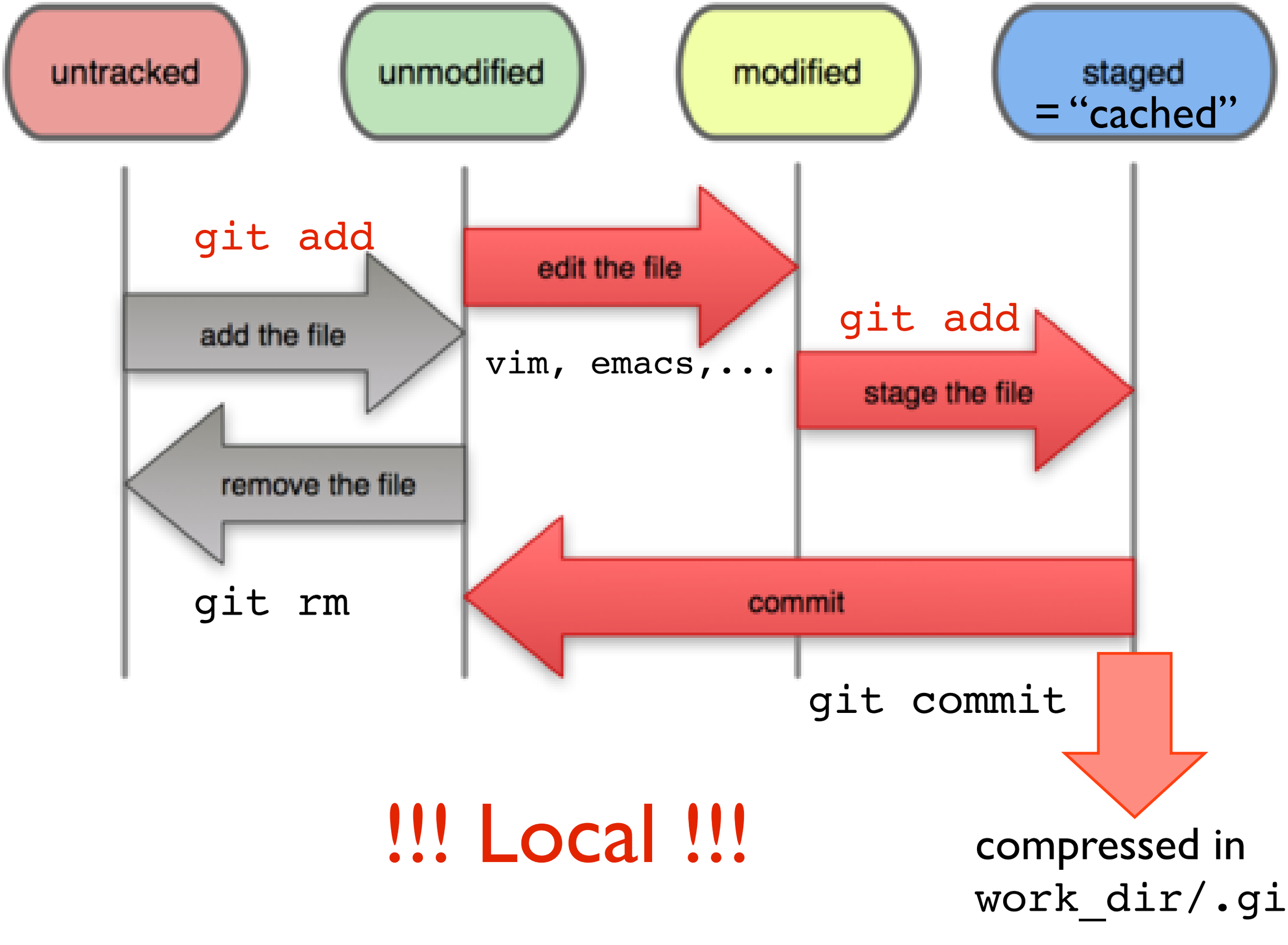
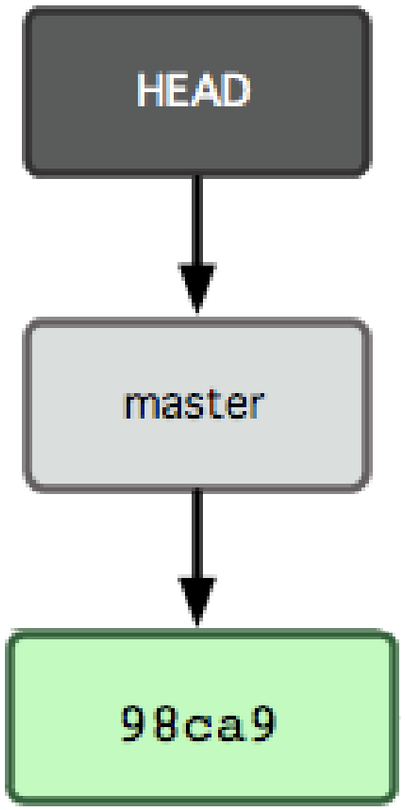
File Status Lifecycle

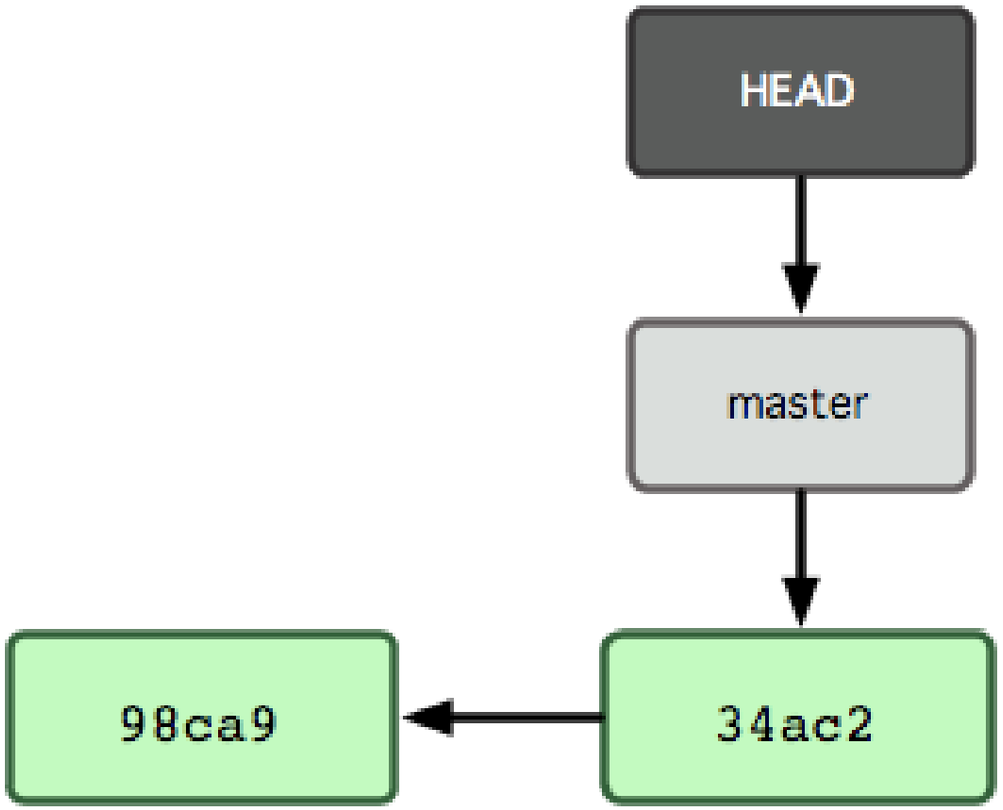


```
$git clone <url> / $git init
```

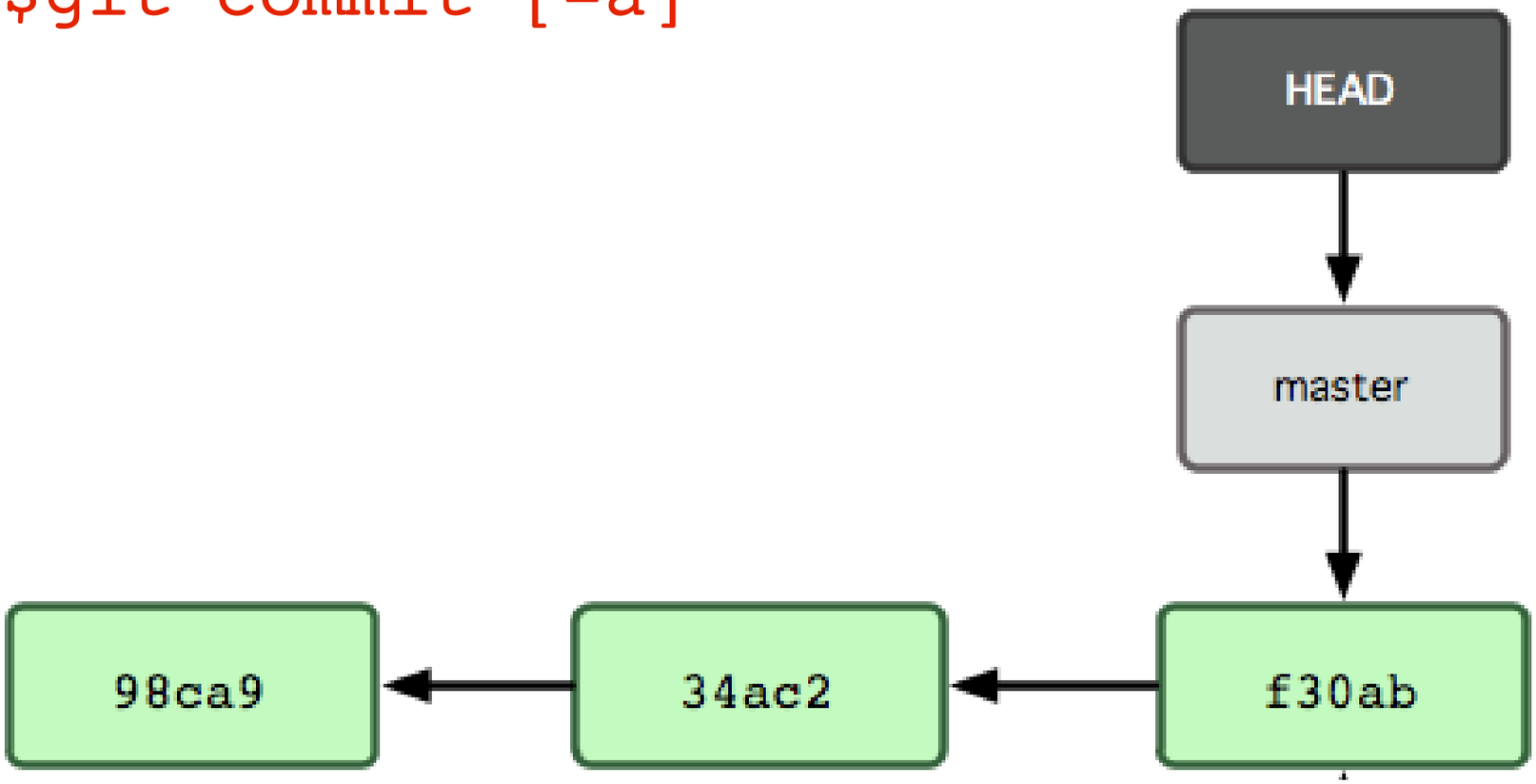


Exemple of development
Straight arrows = pointers

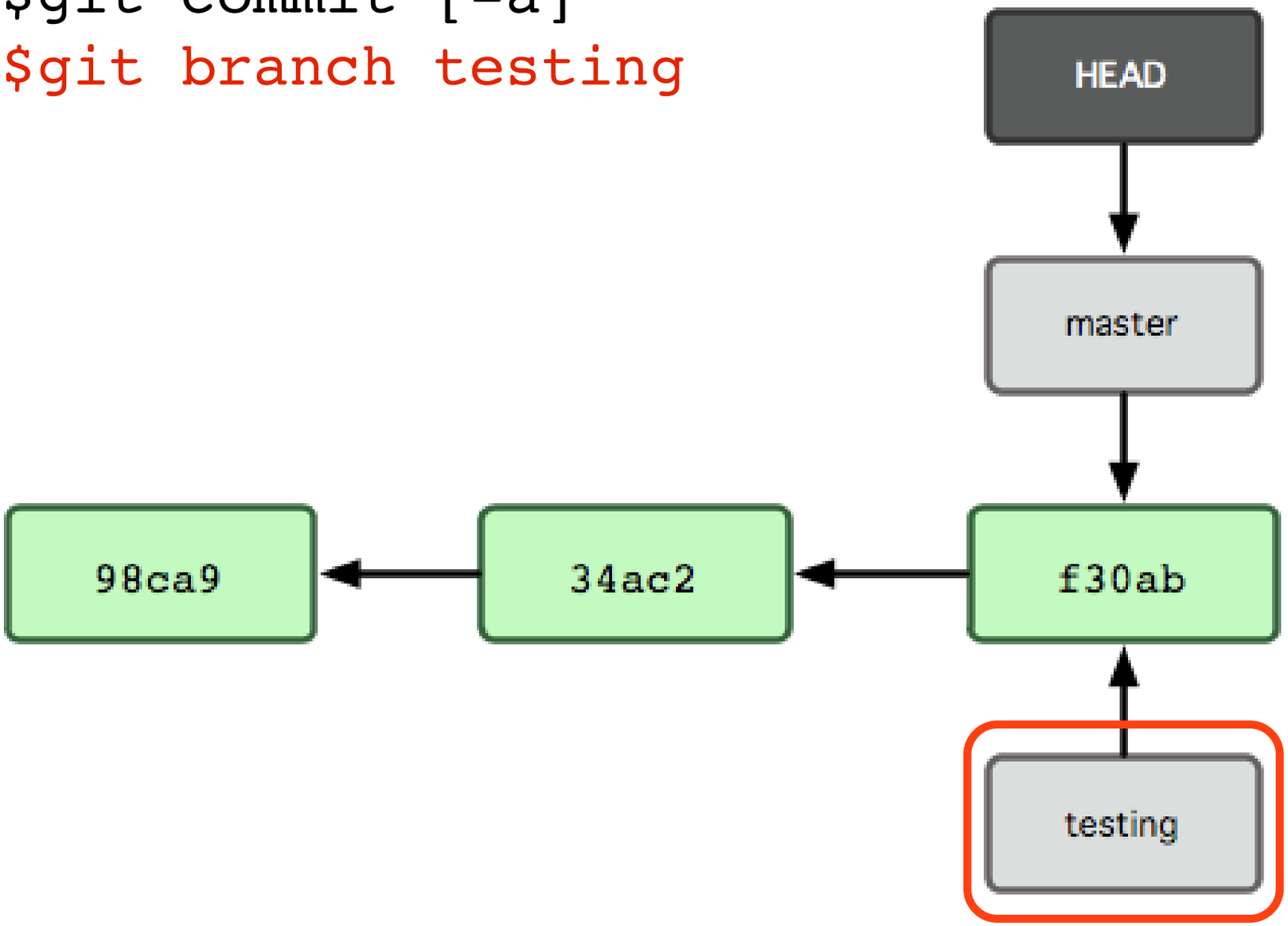
```
$git clone <url> / $git init
$git commit [-a]
```



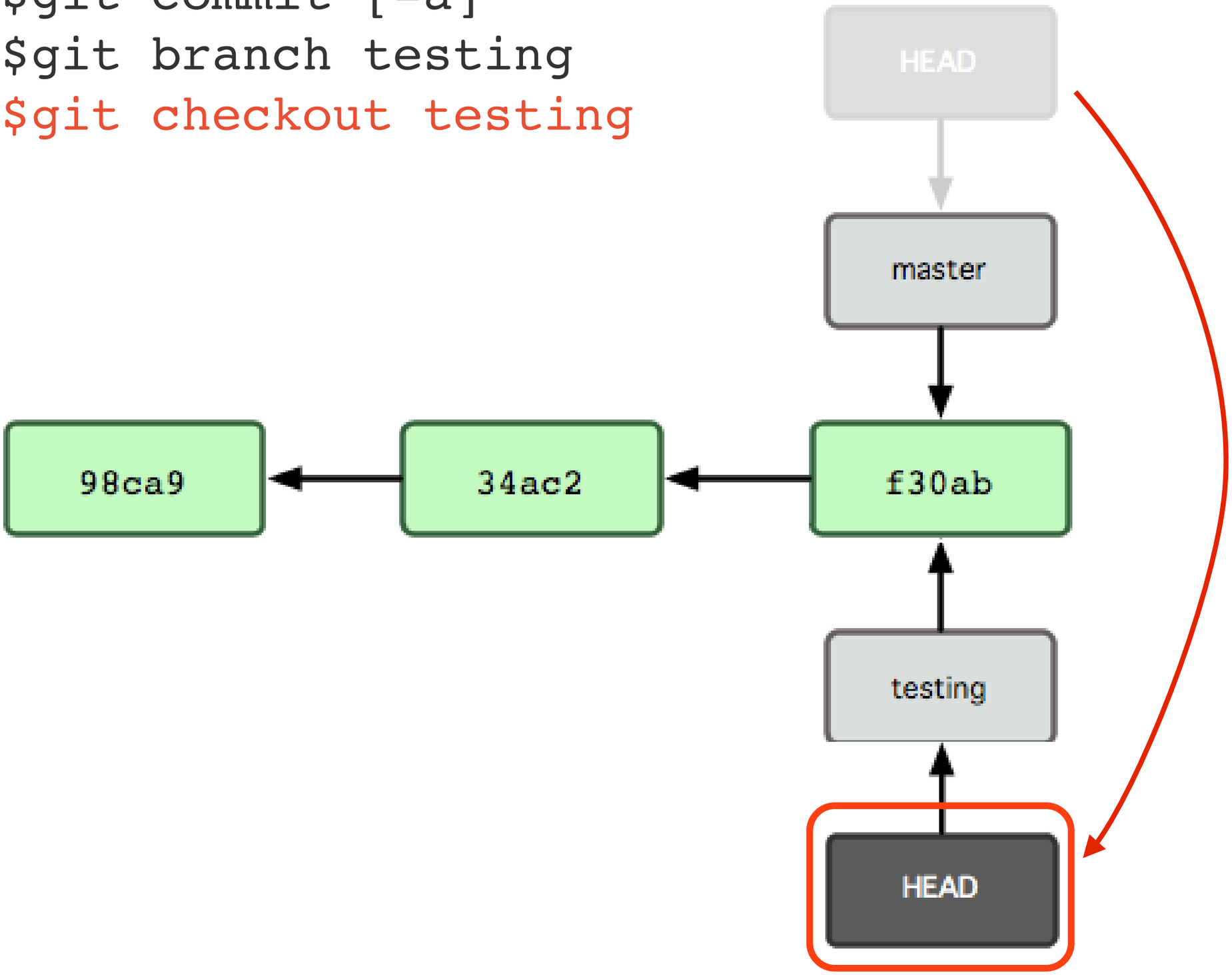
```
$git clone <url> / $git init
$git commit [-a]
$git commit [-a]
```



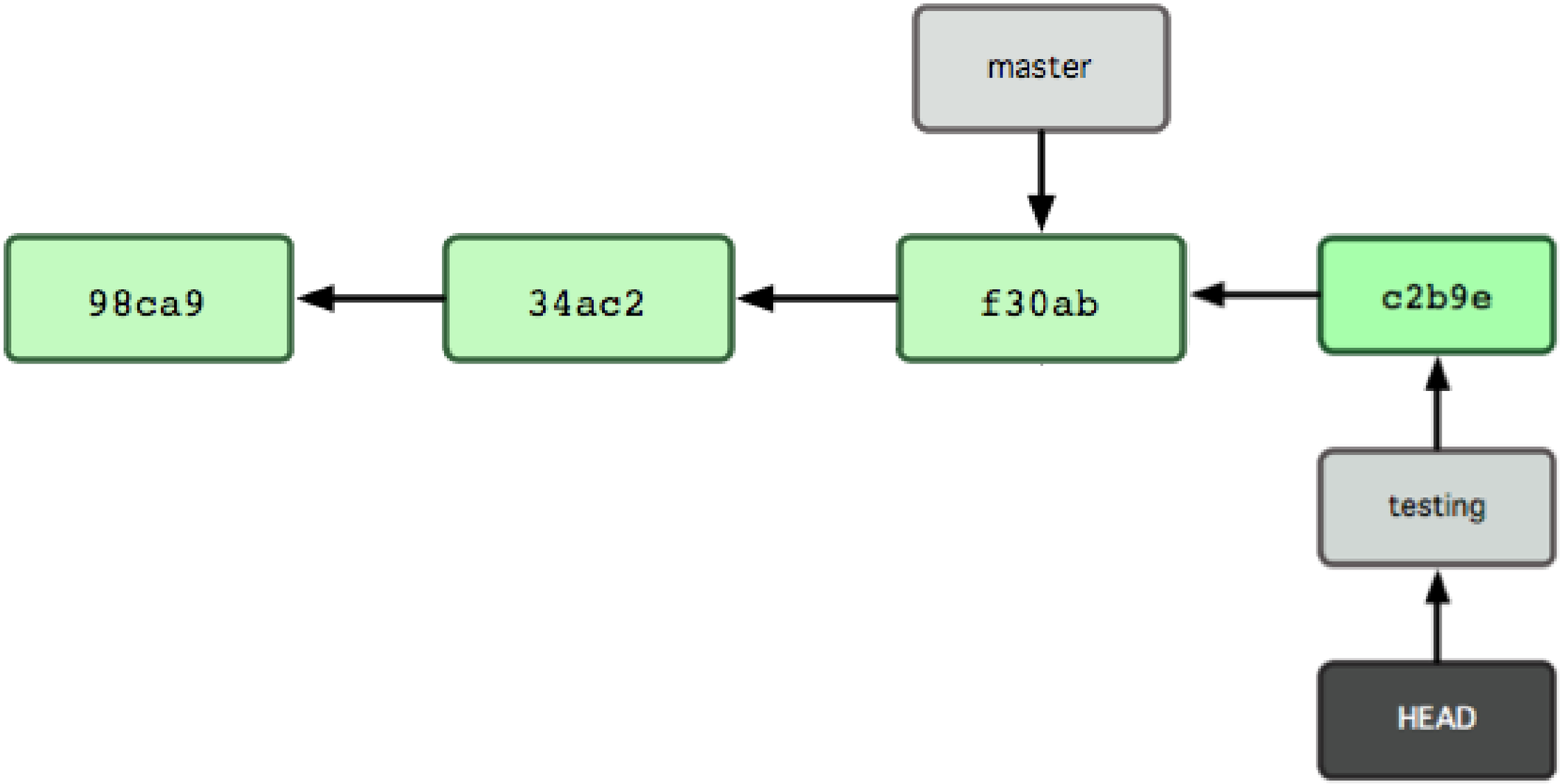
```
$git clone <url> / $git init
$git commit [-a]
$git commit [-a]
$git branch testing
```



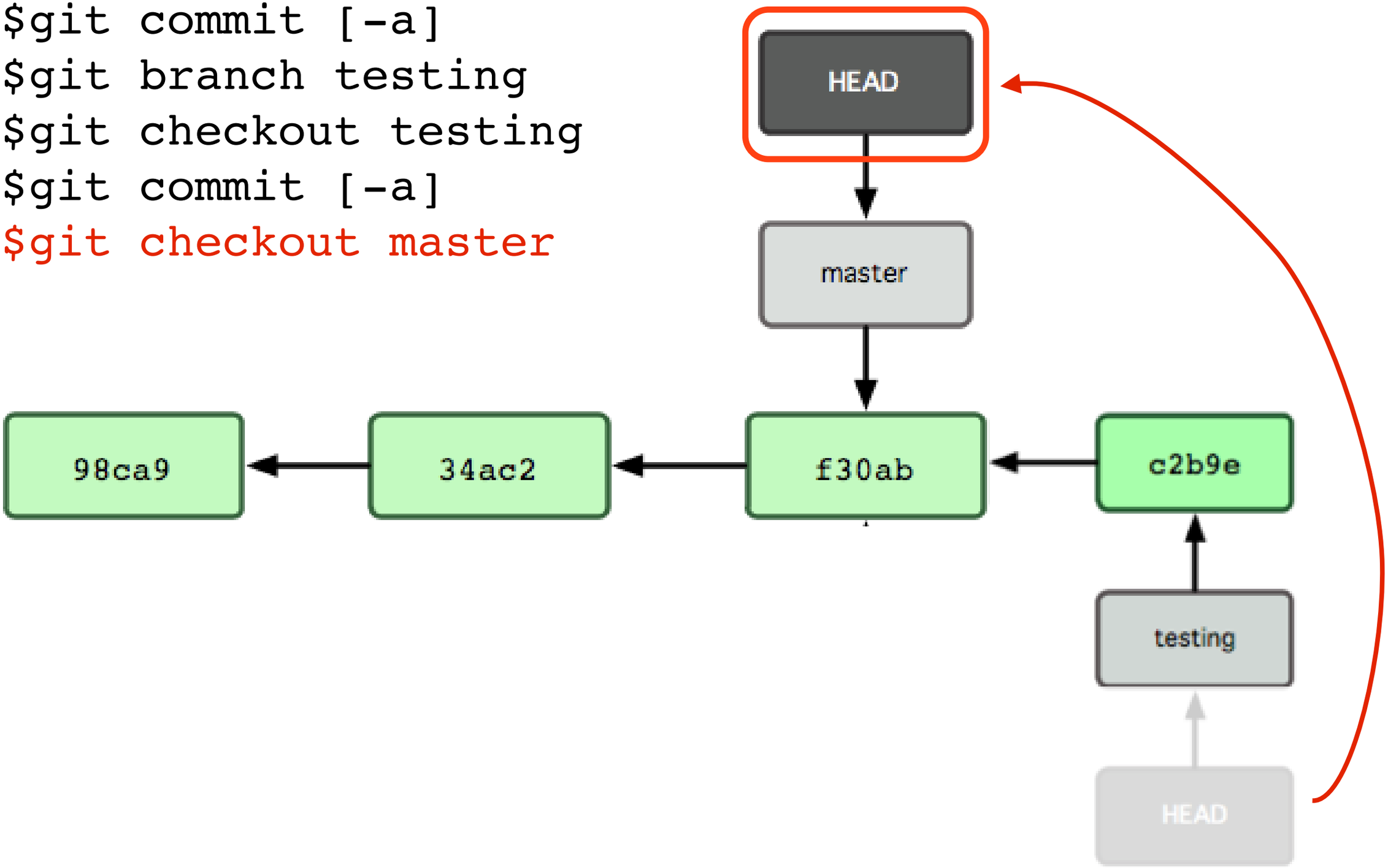
```
$git clone <url> / $git init
$git commit [-a]
$git commit [-a]
$git branch testing
$git checkout testing
```



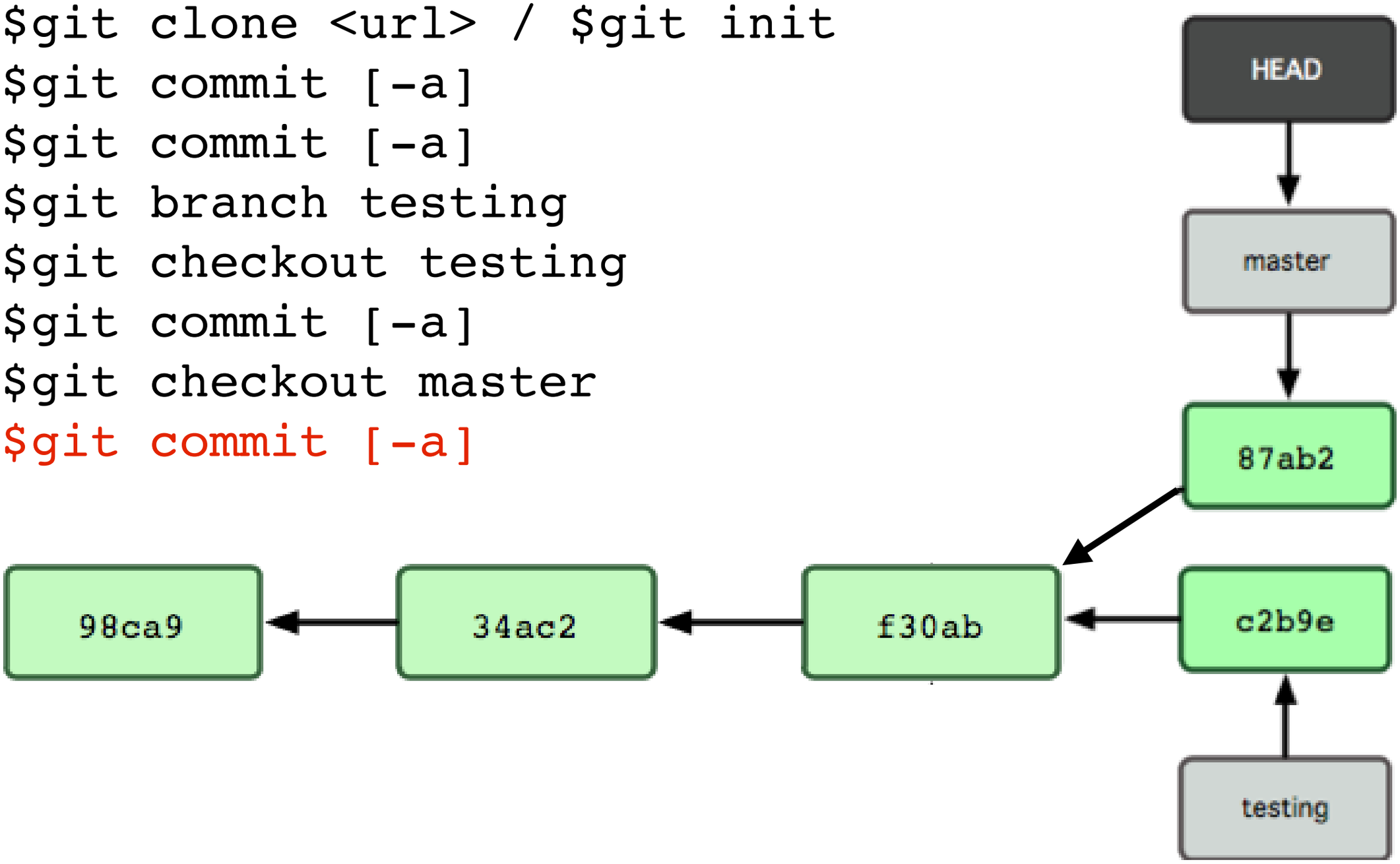
```
$git clone <url> / $git init
$git commit [-a]
$git commit [-a]
$git branch testing
$git checkout testing
$git commit [-a]
```



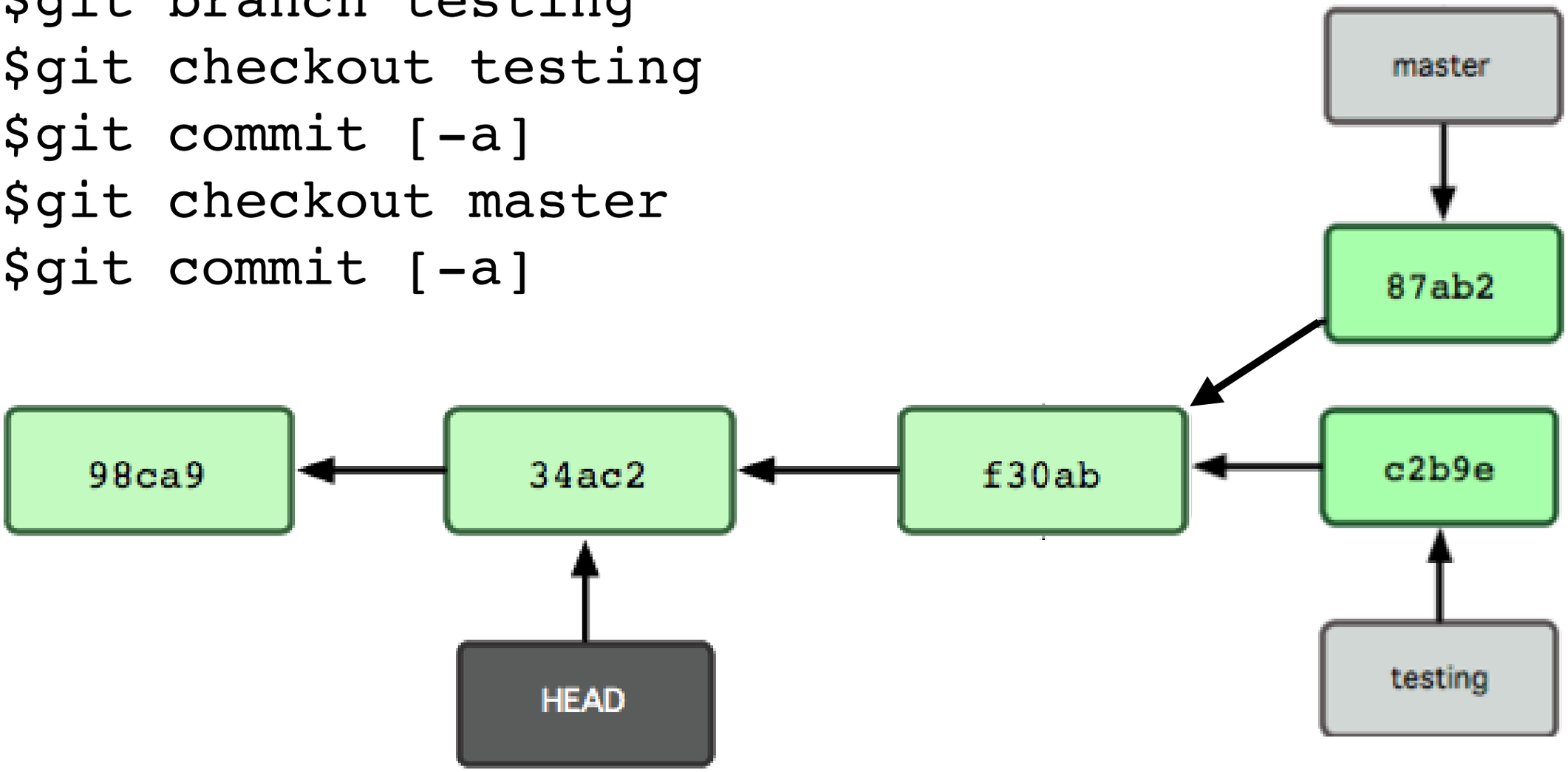
```
$git clone <url> / $git init
$git commit [-a]
$git commit [-a]
$git branch testing
$git checkout testing
$git commit [-a]
$git checkout master
```



```
$git clone <url> / $git init
$git commit [-a]
$git commit [-a]
$git branch testing
$git checkout testing
$git commit [-a]
$git checkout master
$git commit [-a]
```



```
$git clone <url> / $git init
$git commit [-a]
$git commit [-a]
$git branch testing
$git checkout testing
$git commit [-a]
$git checkout master
$git commit [-a]
```

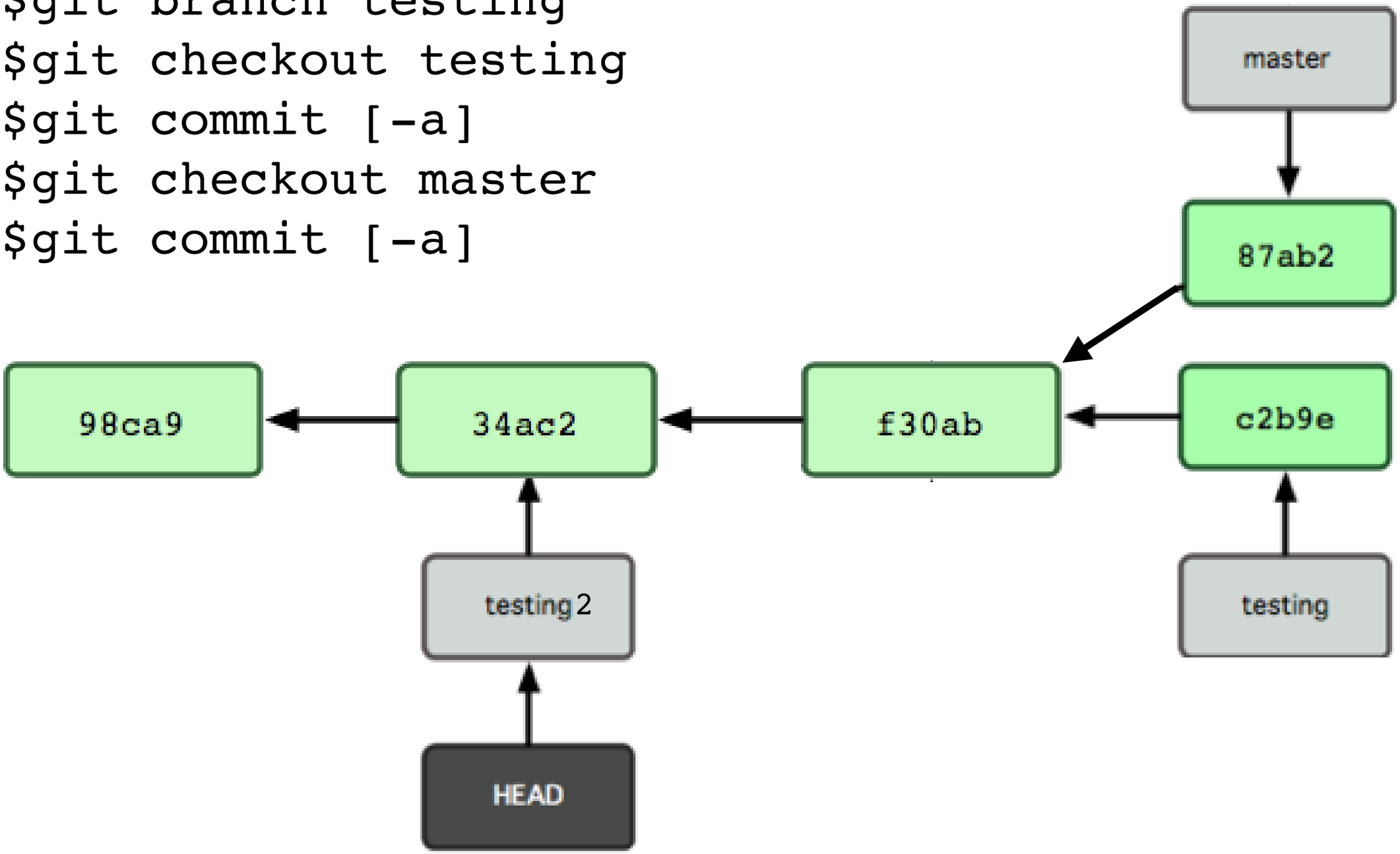



```
$git checkout 34ac2
```

Detached HEAD!

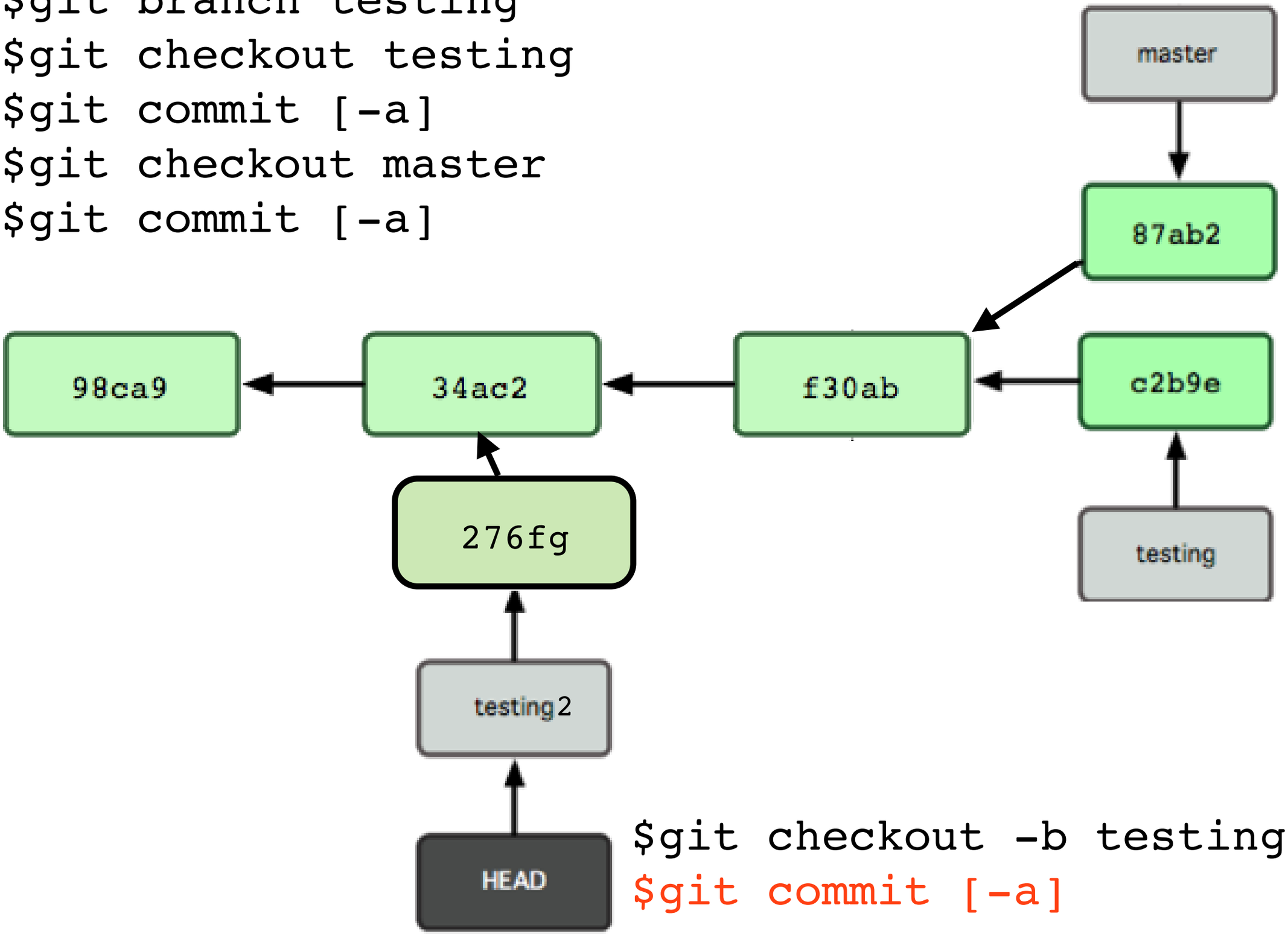
ok for experimenting but it is not tidy...

```
$git clone <url> / $git init
$git commit [-a]
$git commit [-a]
$git branch testing
$git checkout testing
$git commit [-a]
$git checkout master
$git commit [-a]
```



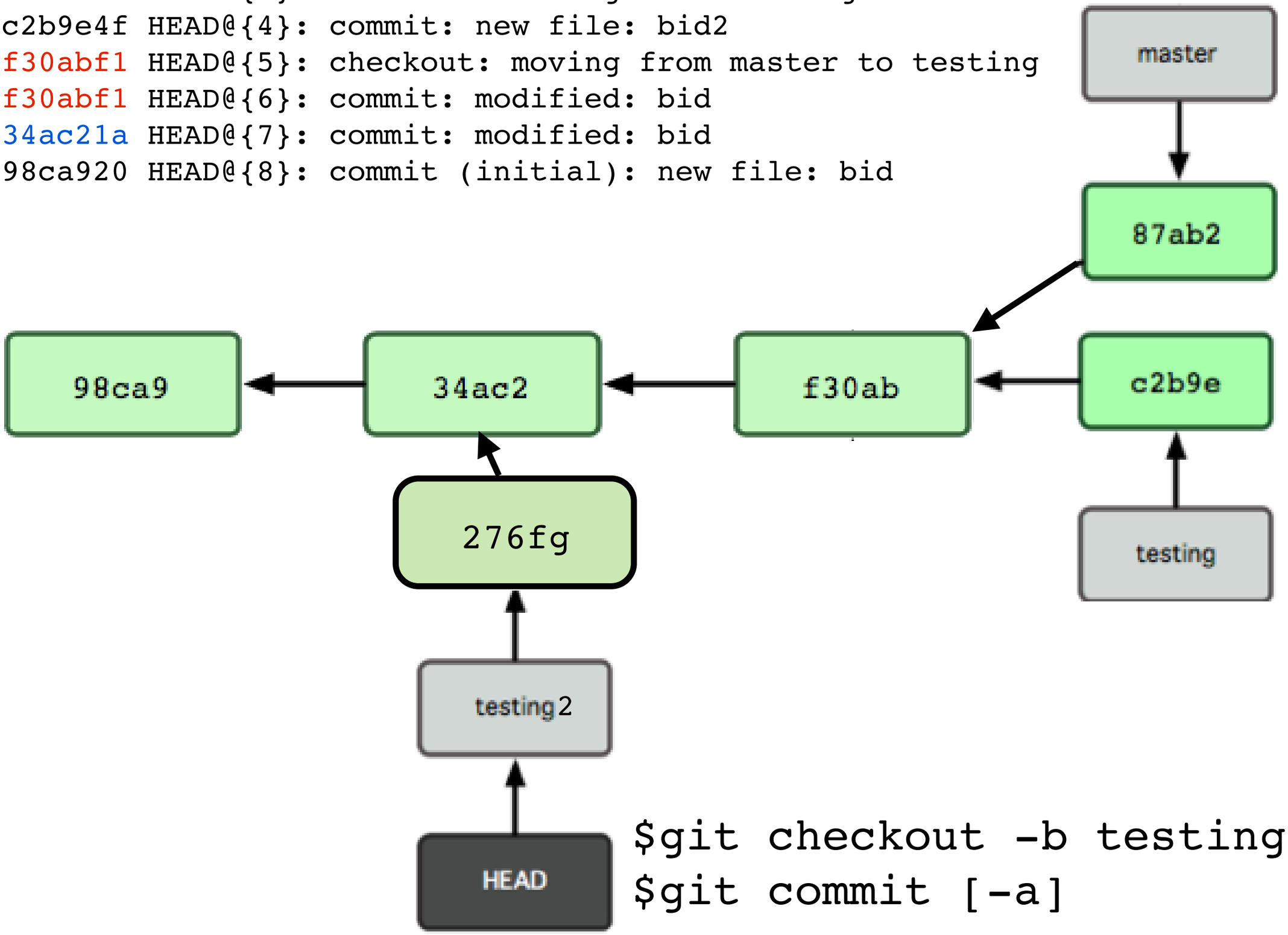

```
$git checkout -b testing2 34ac2
```

```
$git clone <url> / $git init
$git commit [-a]
$git commit [-a]
$git branch testing
$git checkout testing
$git commit [-a]
$git checkout master
$git commit [-a]
```




```
$git checkout -b testing2 34ac2
$git commit [-a]
```

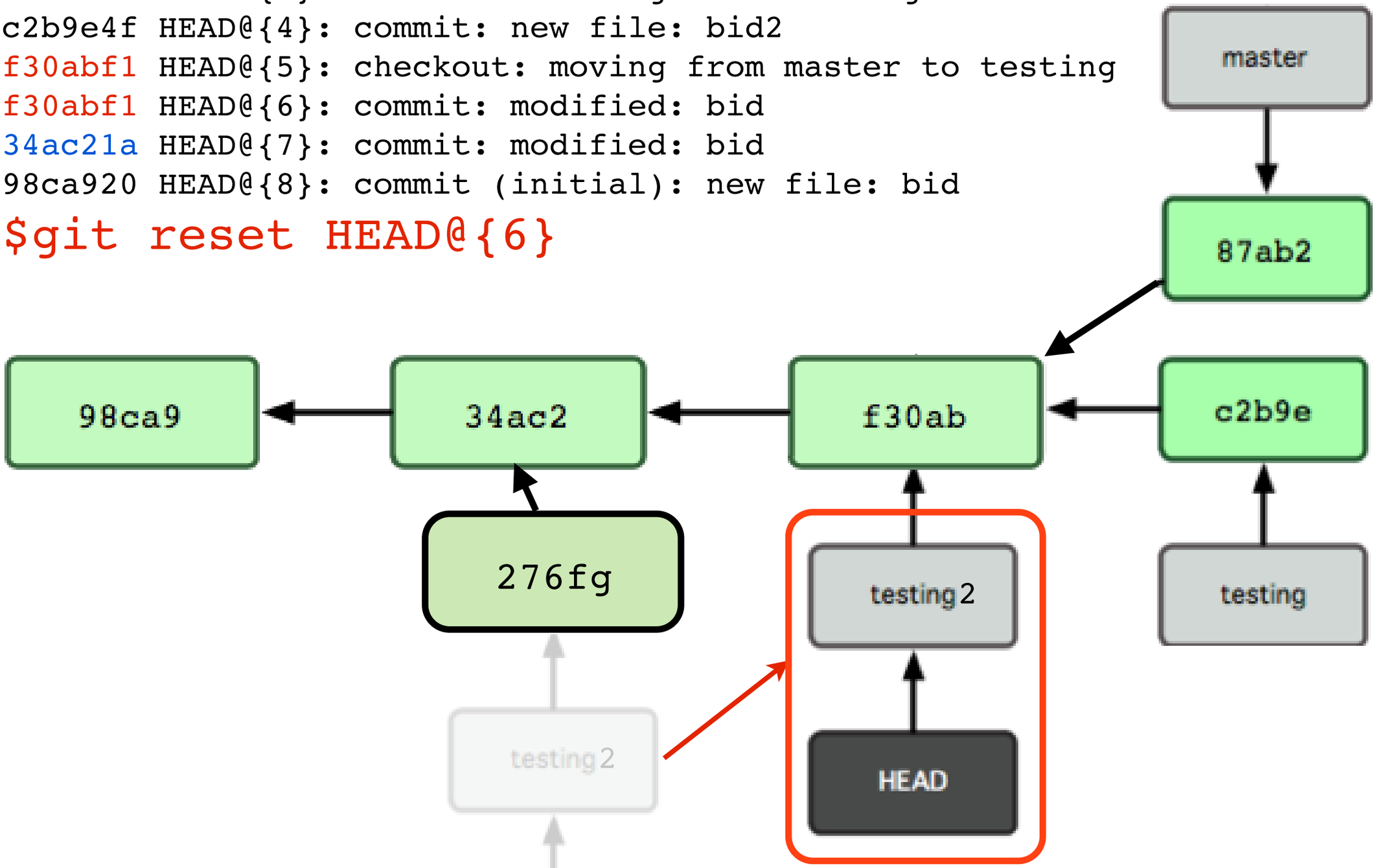
```
$git reflog
276fg2b HEAD@{0}: commit: new file: bid3
34ac21a HEAD@{1}: checkout: moving from master to testing2
87ab20a HEAD@{2}: commit: new file: bid2
f30abf1 HEAD@{3}: checkout: moving from testing to master
c2b9e4f HEAD@{4}: commit: new file: bid2
f30abf1 HEAD@{5}: checkout: moving from master to testing
f30abf1 HEAD@{6}: commit: modified: bid
34ac21a HEAD@{7}: commit: modified: bid
98ca920 HEAD@{8}: commit (initial): new file: bid
```




```
$git checkout -b testing2 34ac2
$git commit [-a]
```

```
$git reflog
276fg2b HEAD@{0}: commit: new file: bid3
34ac21a HEAD@{1}: checkout: moving from master to testing2
87ab20a HEAD@{2}: commit: new file: bid2
f30abf1 HEAD@{3}: checkout: moving from testing to master
c2b9e4f HEAD@{4}: commit: new file: bid2
f30abf1 HEAD@{5}: checkout: moving from master to testing
f30abf1 HEAD@{6}: commit: modified: bid
34ac21a HEAD@{7}: commit: modified: bid
98ca920 HEAD@{8}: commit (initial): new file: bid
```

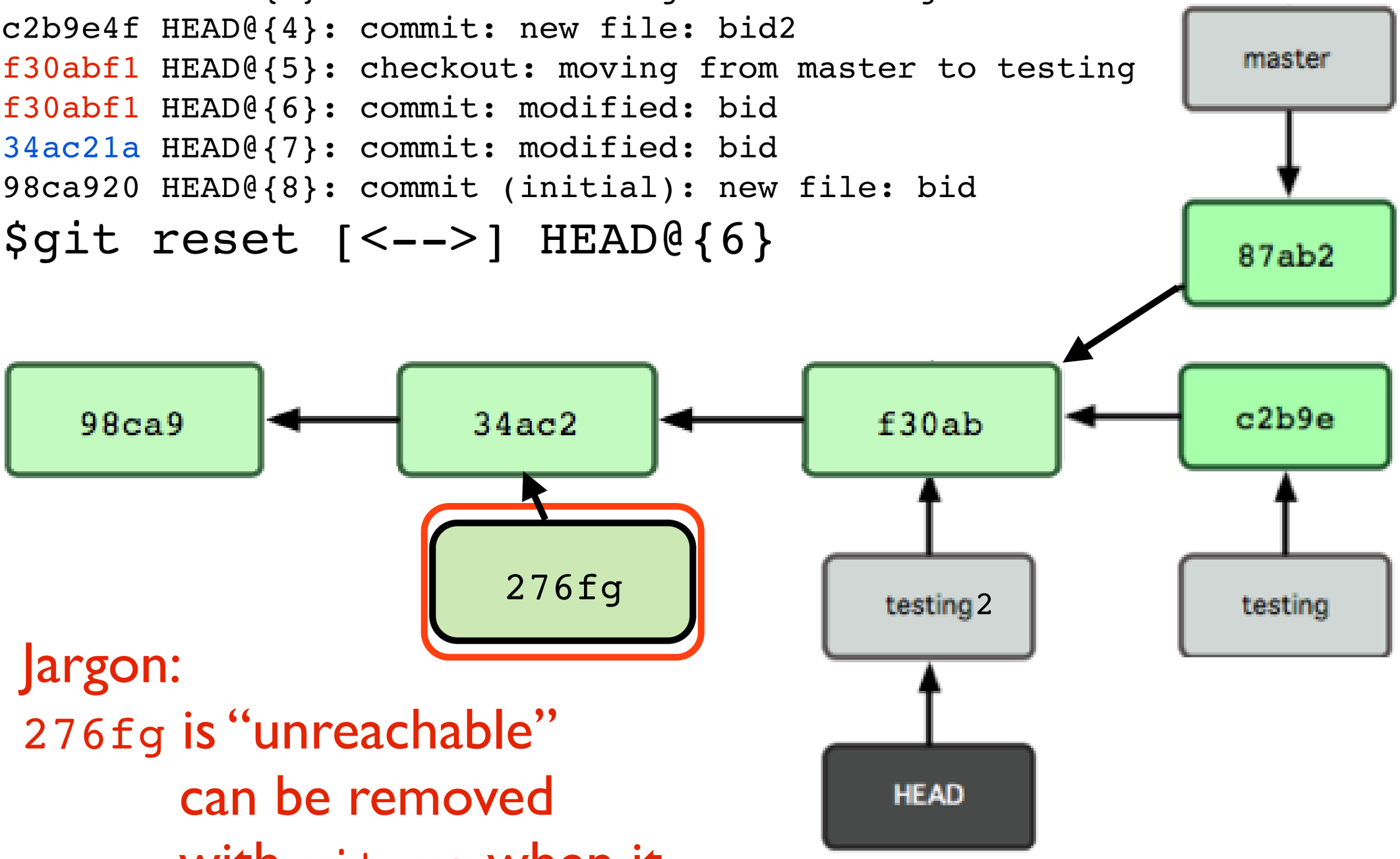
```
$git reset HEAD@{6}
```




```
$git checkout -b testing2 34ac2
$git commit [-a]
```

```
$git reflog
276fg2b HEAD@{0}: commit: new file: bid3
34ac21a HEAD@{1}: checkout: moving from master to testing2
87ab20a HEAD@{2}: commit: new file: bid2
f30abf1 HEAD@{3}: checkout: moving from testing to master
c2b9e4f HEAD@{4}: commit: new file: bid2
f30abf1 HEAD@{5}: checkout: moving from master to testing
f30abf1 HEAD@{6}: commit: modified: bid
34ac21a HEAD@{7}: commit: modified: bid
98ca920 HEAD@{8}: commit (initial): new file: bid
```

```
$git reset [<-->] HEAD@{6}
```



Jargon:

`276fg` is "unreachable"
can be removed
with `git gc` when it
expires out from the
`reflog`

```
$git checkout -b testing2 34ac2
$git commit [-a]
```