



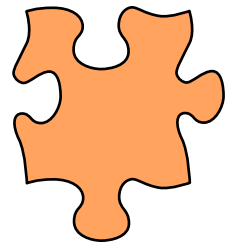
git gone wild

self.conference 2016

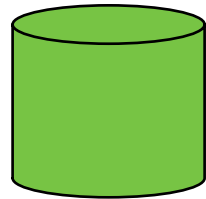
Magnus Stahre

@magnusstahre

Object types



blob



tree

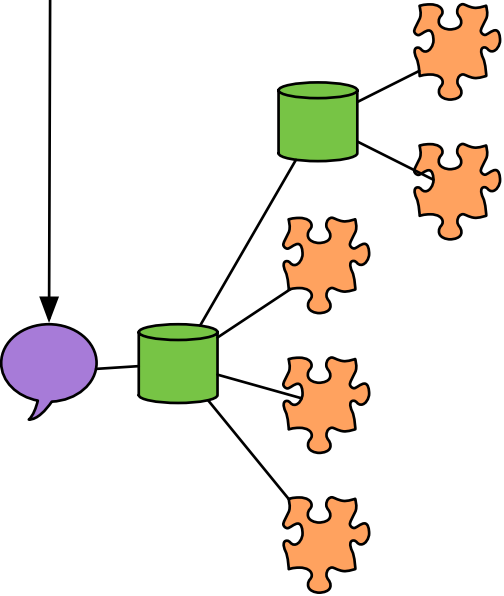
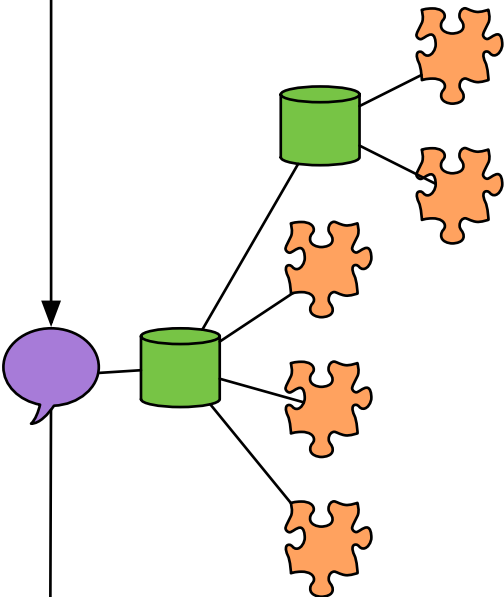
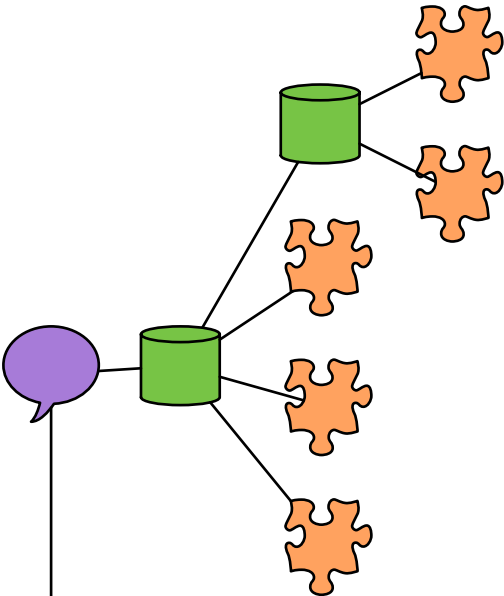


commit



ref (branch)

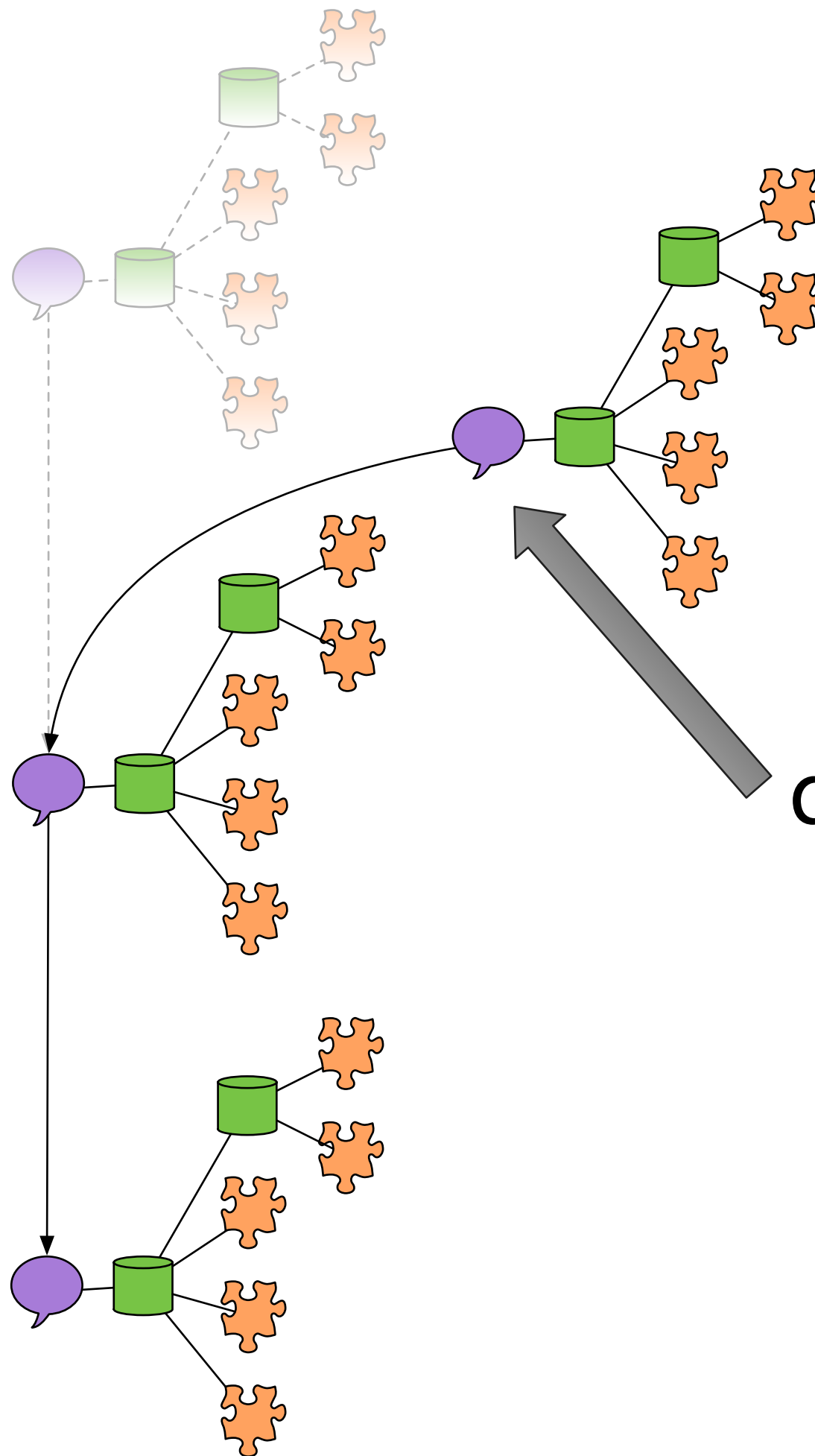
develop



master

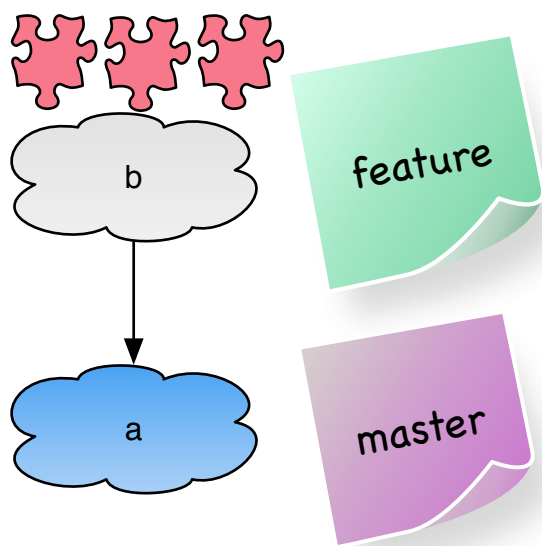


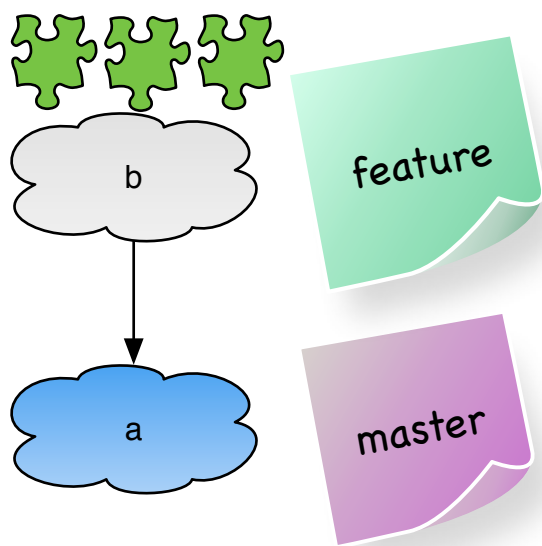
master



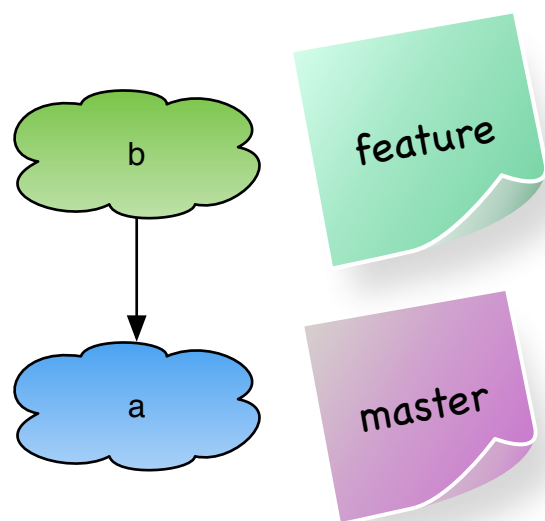
develop

Scenario:
Add missing files





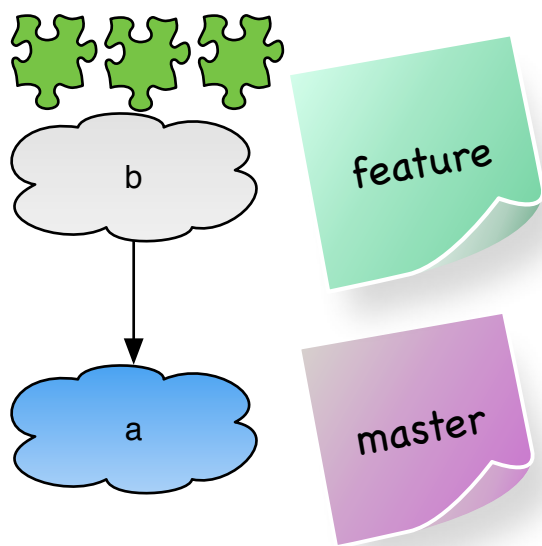
```
$ git add ...
```

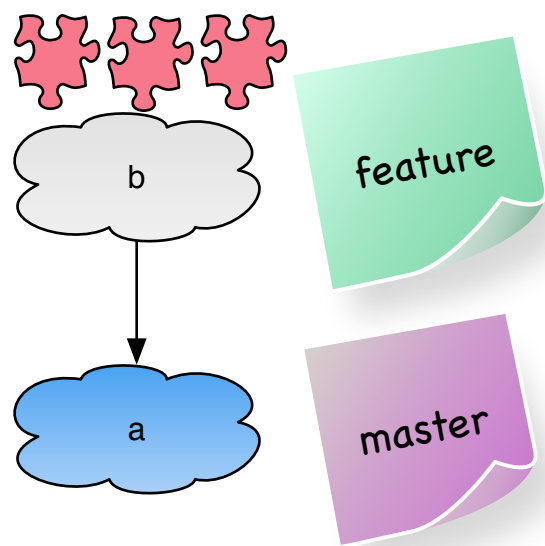


```
$ git add ...  
$ git commit --amend
```

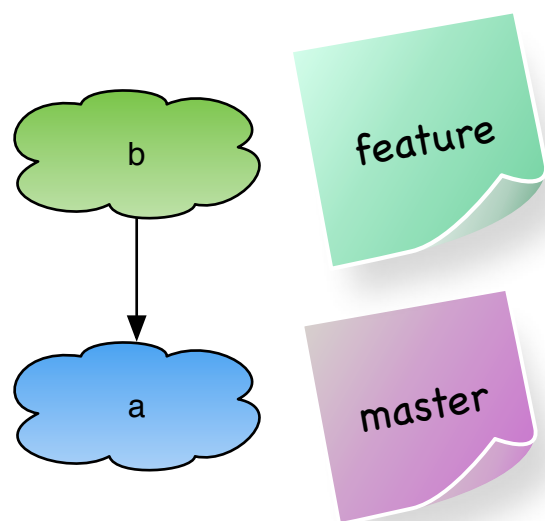

Scenario:

Remove files added by mistake





```
$ git rm --cached ...
```



```
$ git rm --cached ...  
$ git commit --amend
```

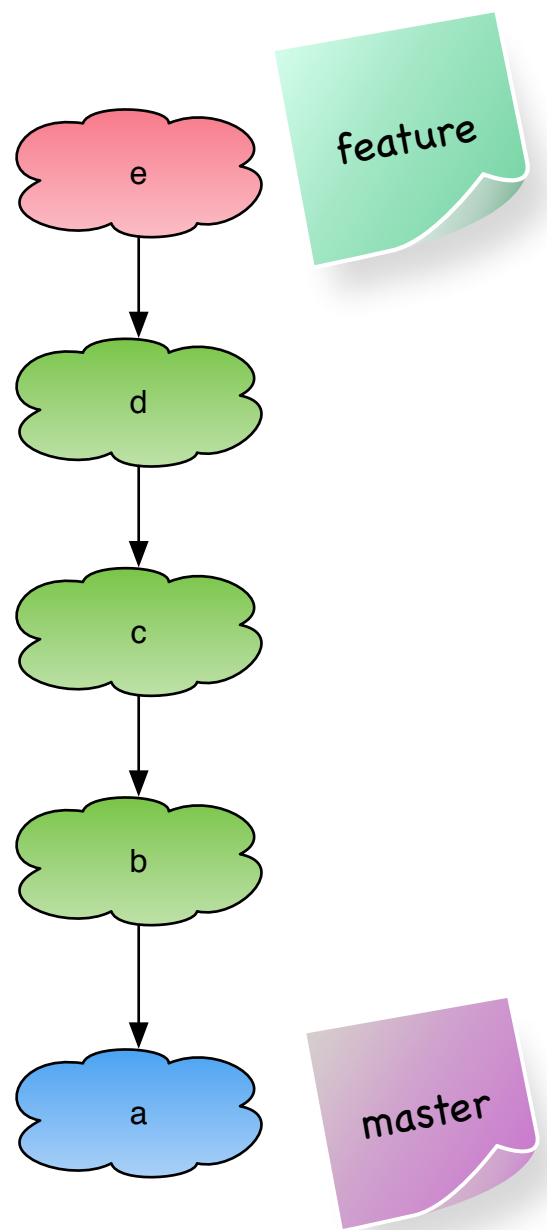
Scenario:
Avoid adding passwords

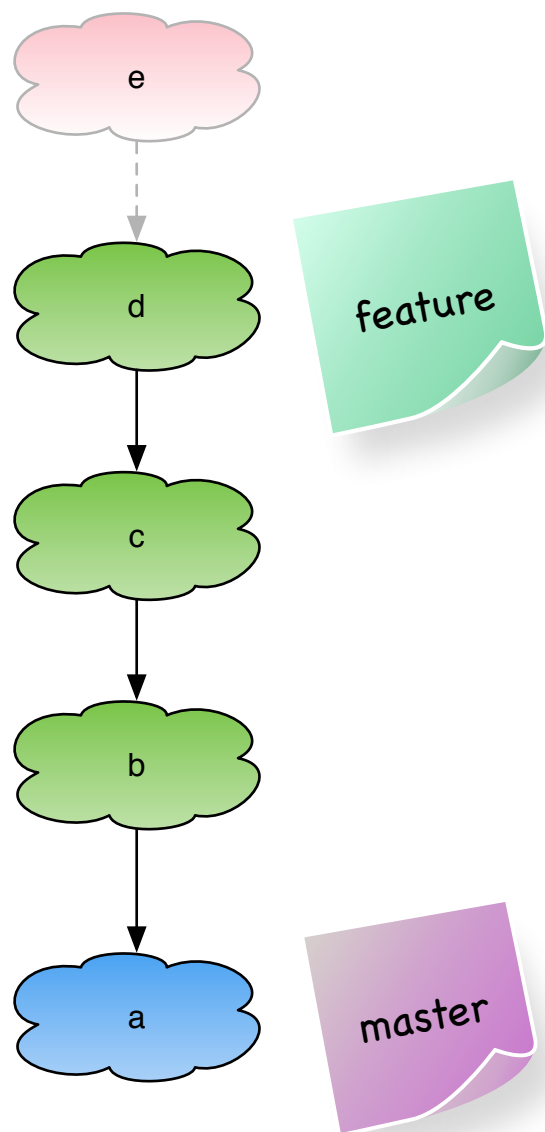
```
$ echo 'passwordfile' >> .gitignore
```

```
$ echo 'passwordfile' >> .gitignore
```

```
$ git update-index --assume-unchanged 'configfile'
```

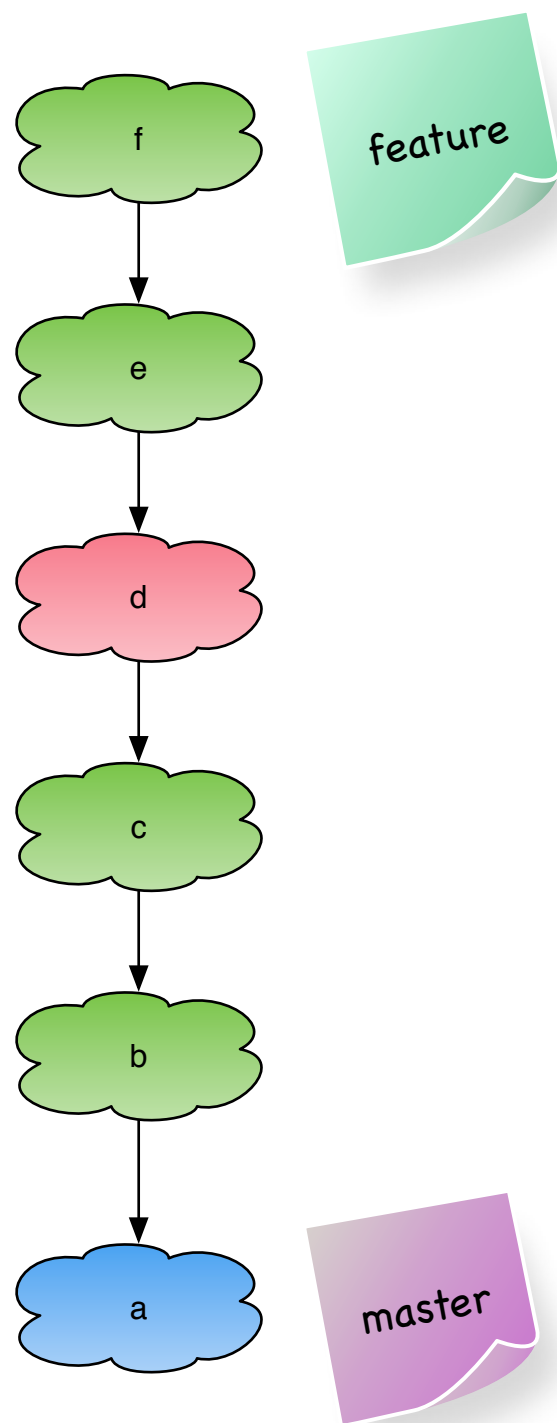
Scenario:
Delete top commit

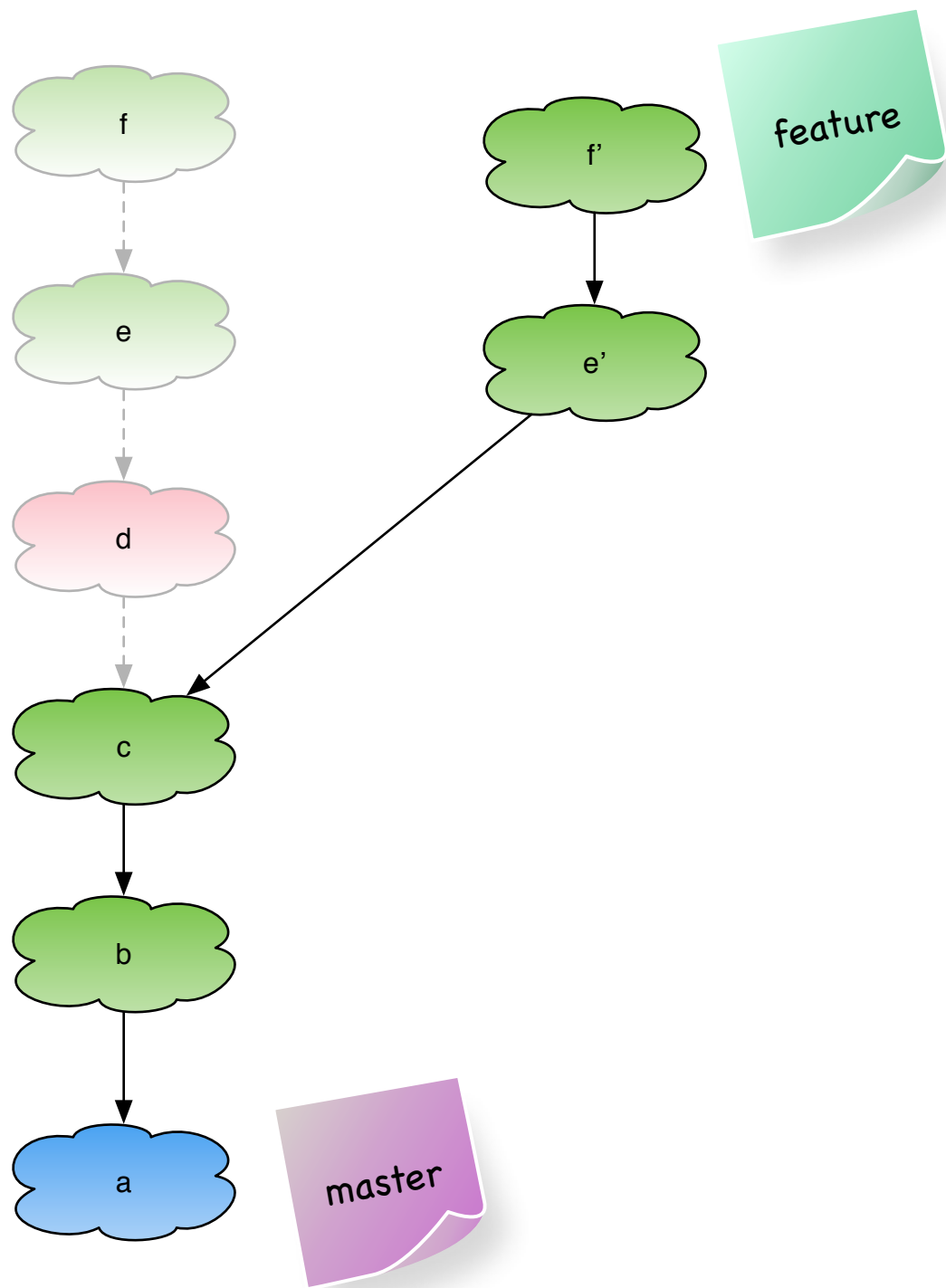




```
$ git reset --hard HEAD^
```

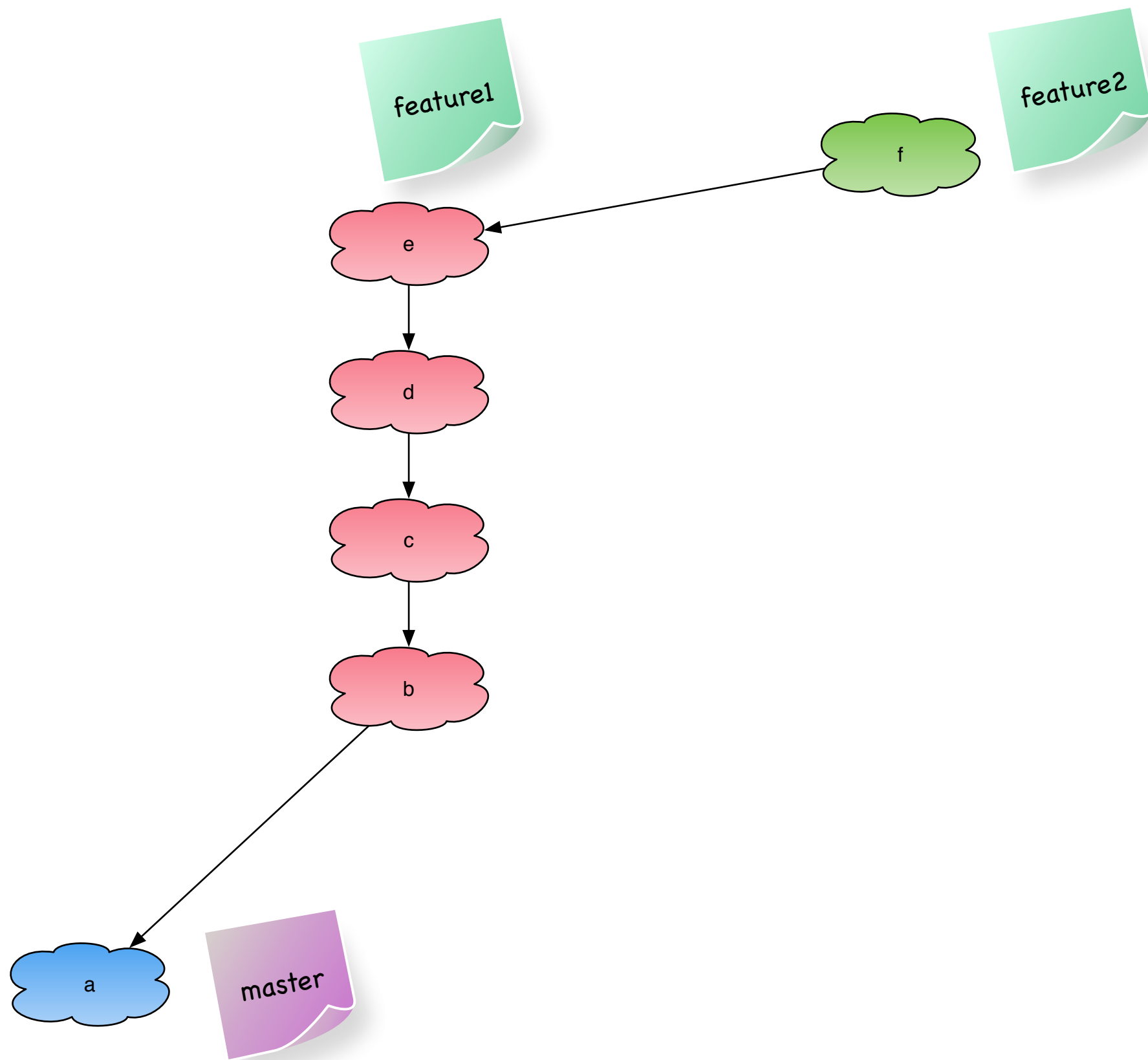
Scenario:
Delete previous commit

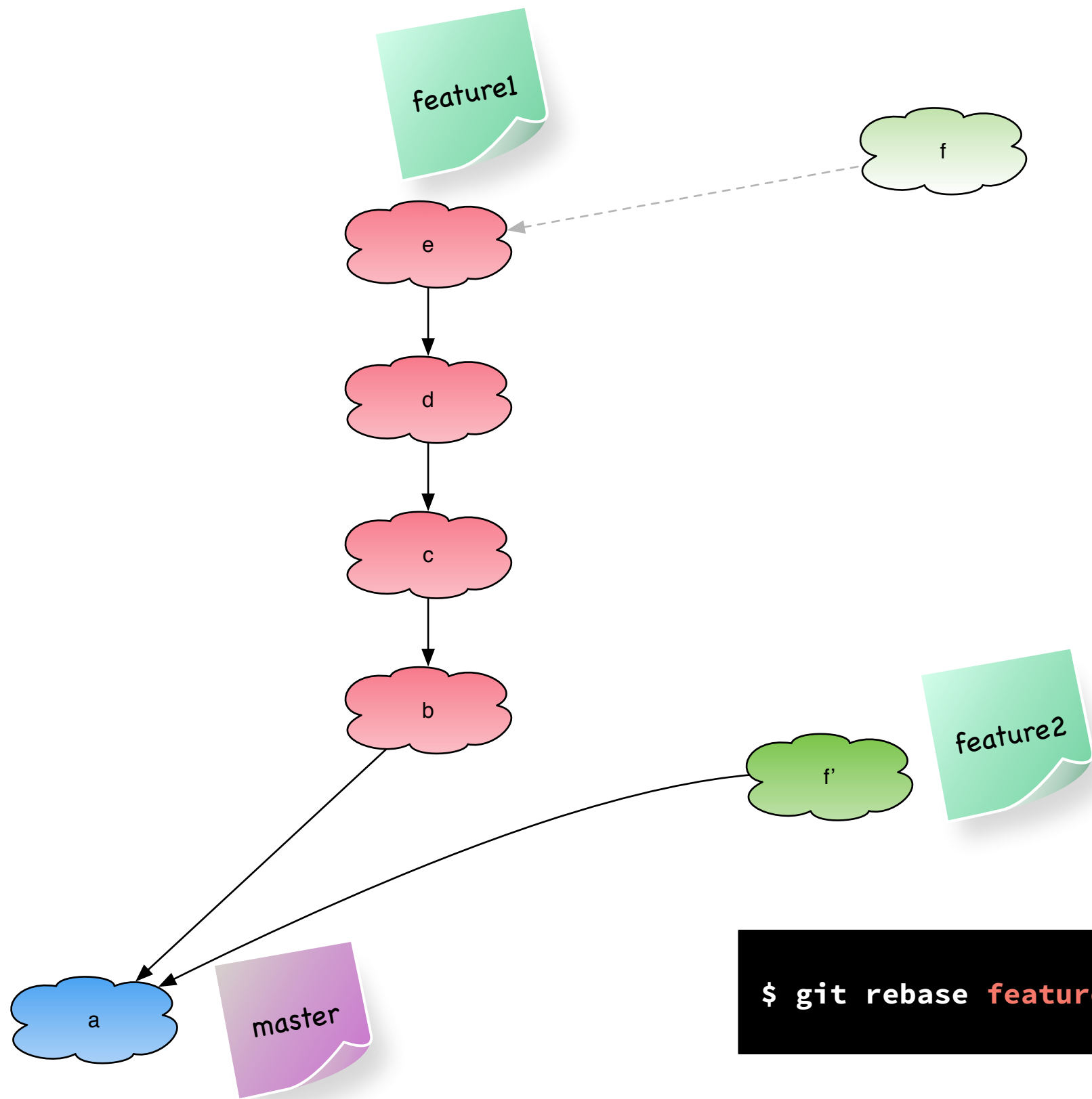




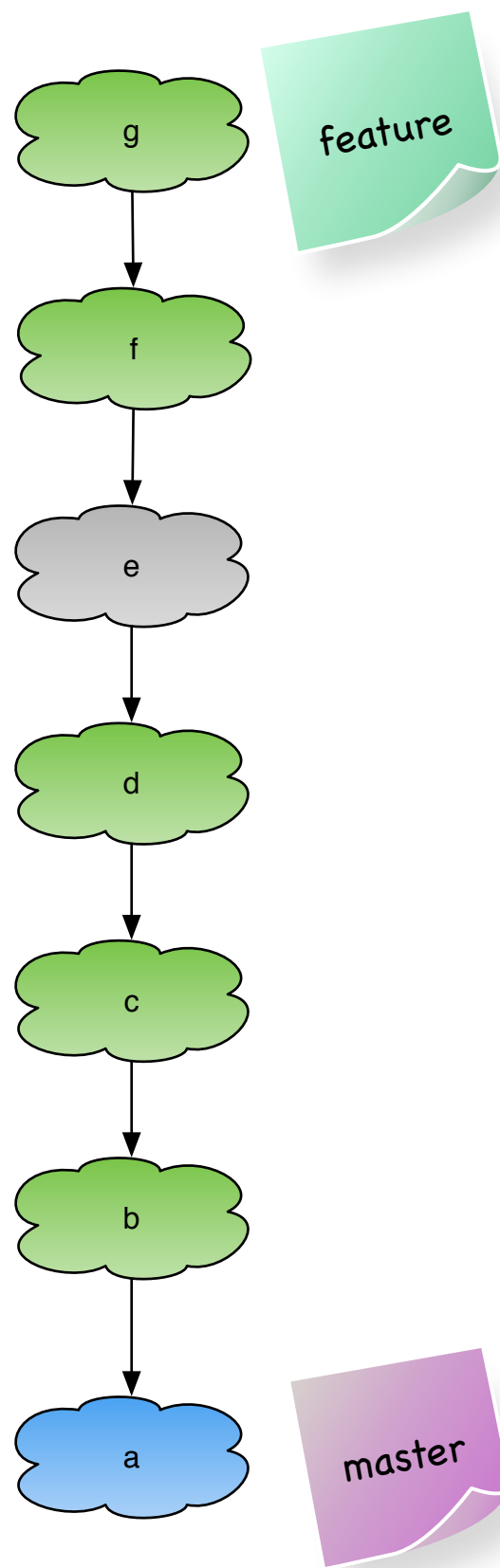
```
$ git rebase d --onto d^
```

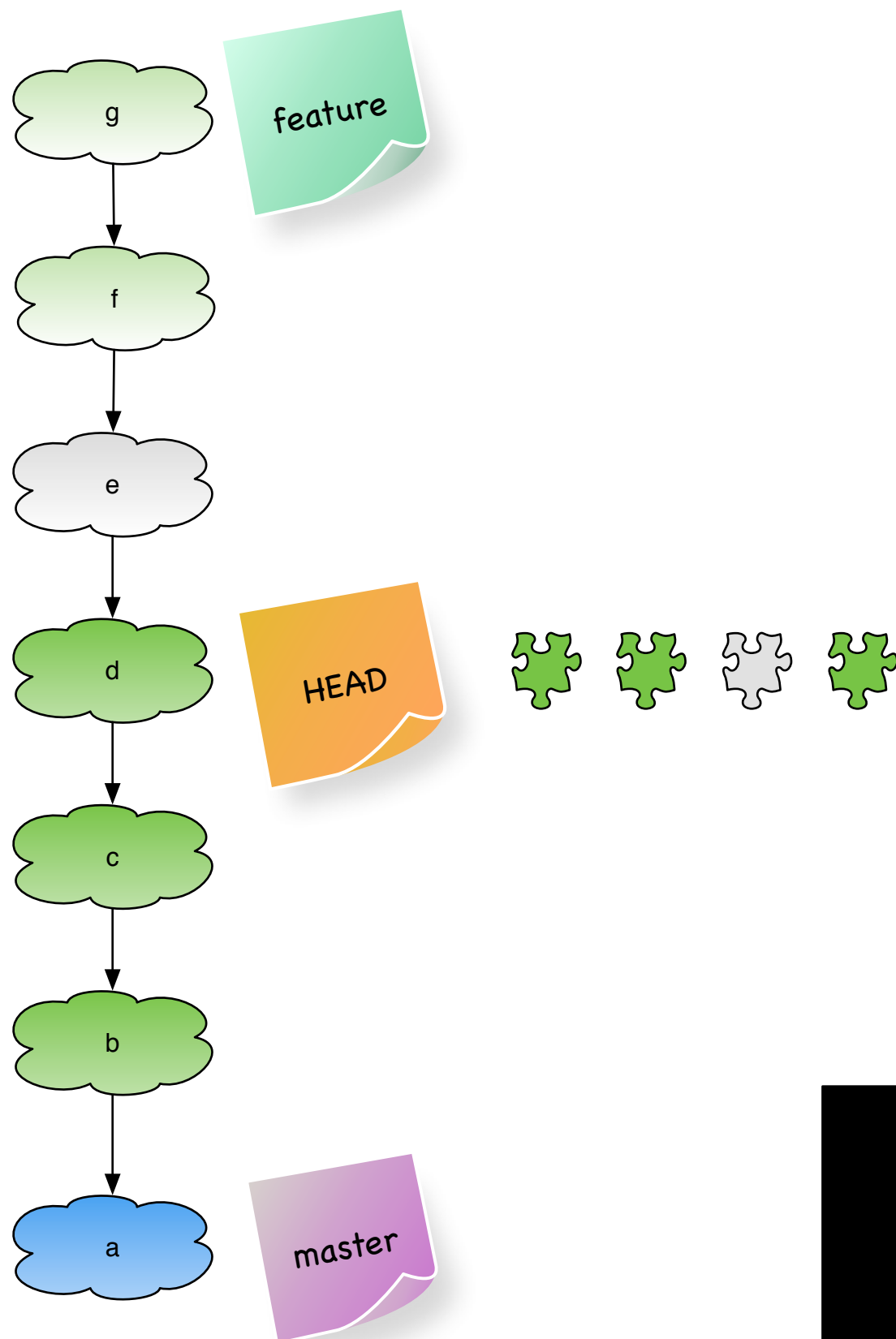
Scenario:
Fix wrong base for feature



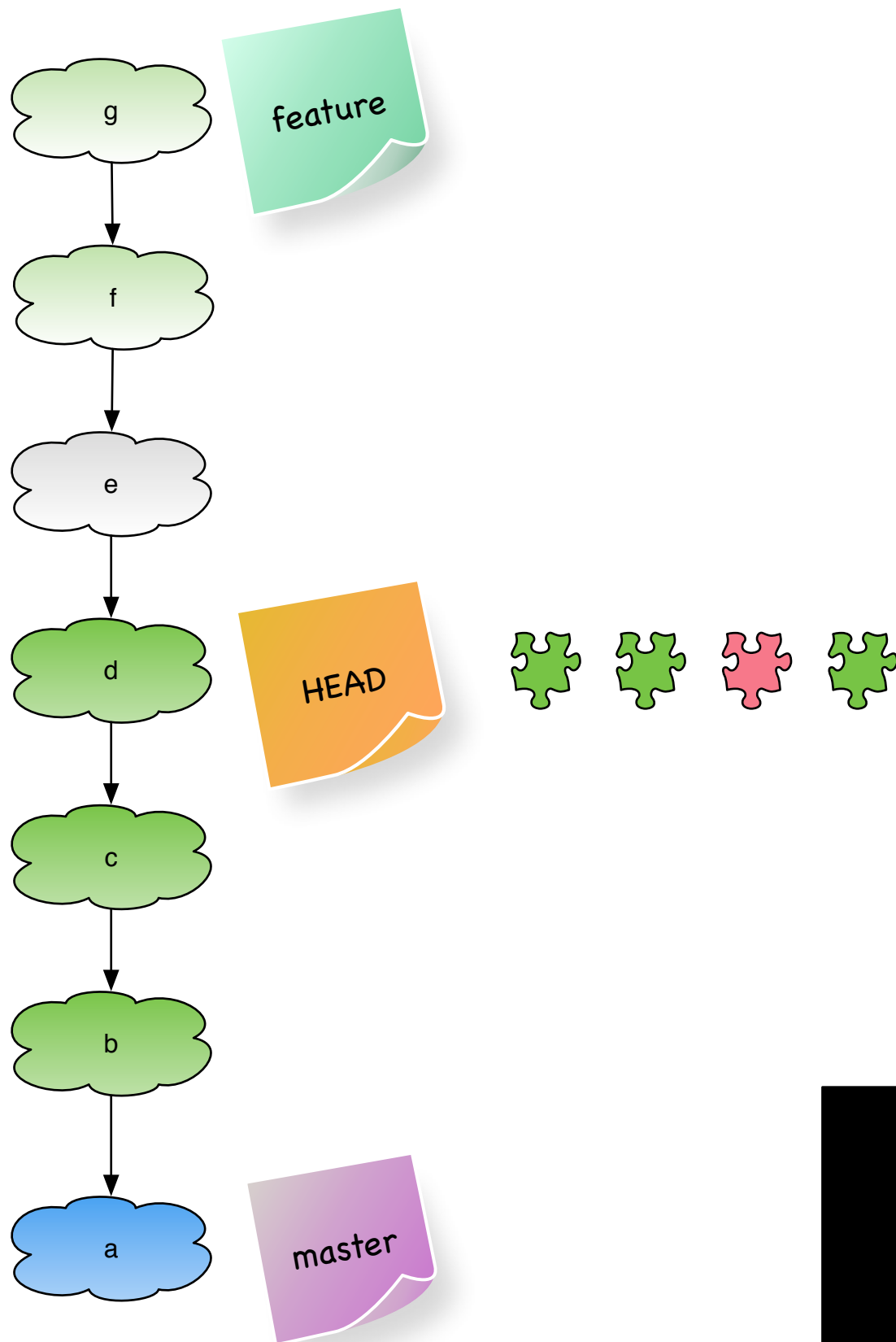


Scenario:
Amend a previous commit

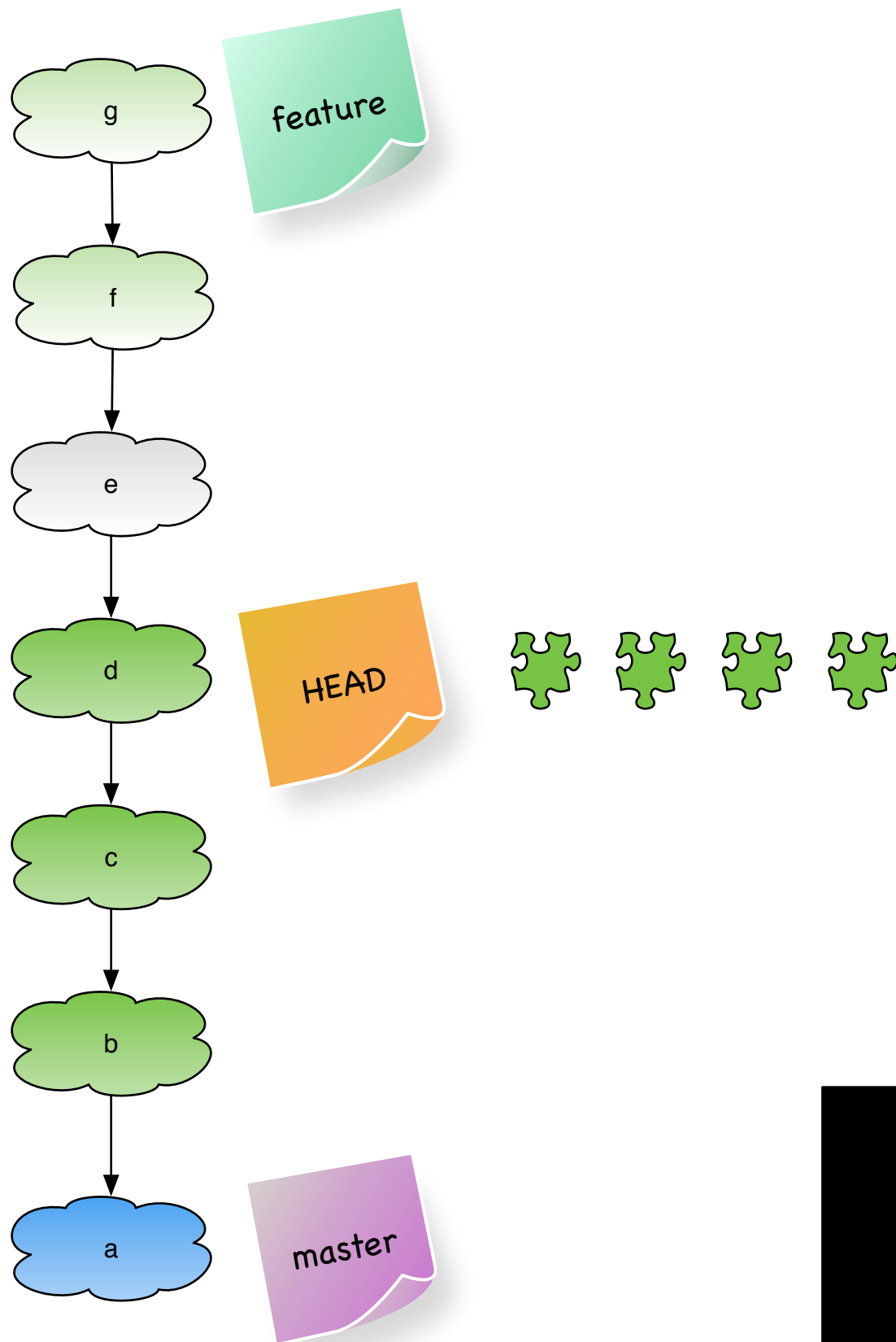




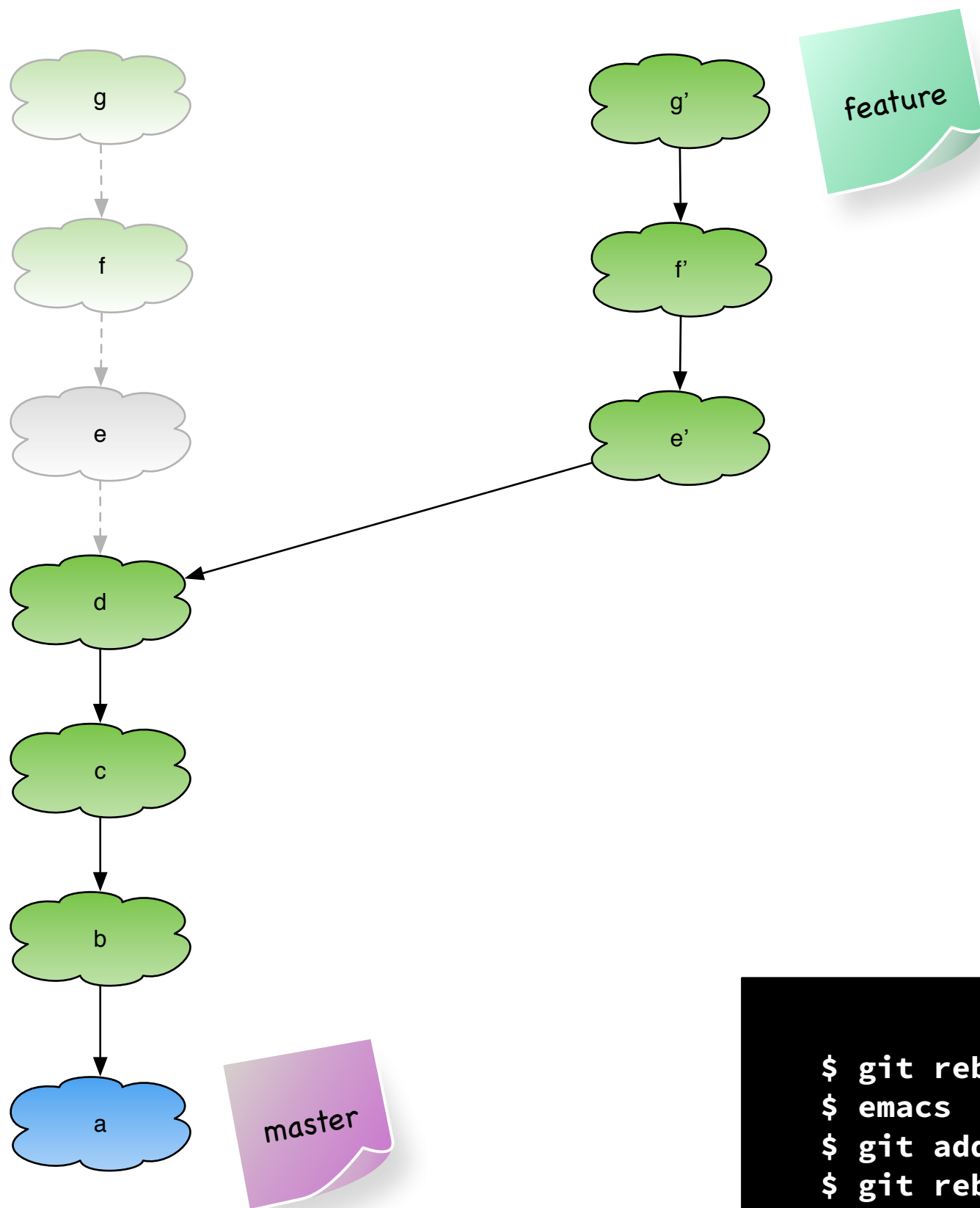
```
$ git rebase -i e^
```



```
$ git rebase -i e^  
$ emacs
```

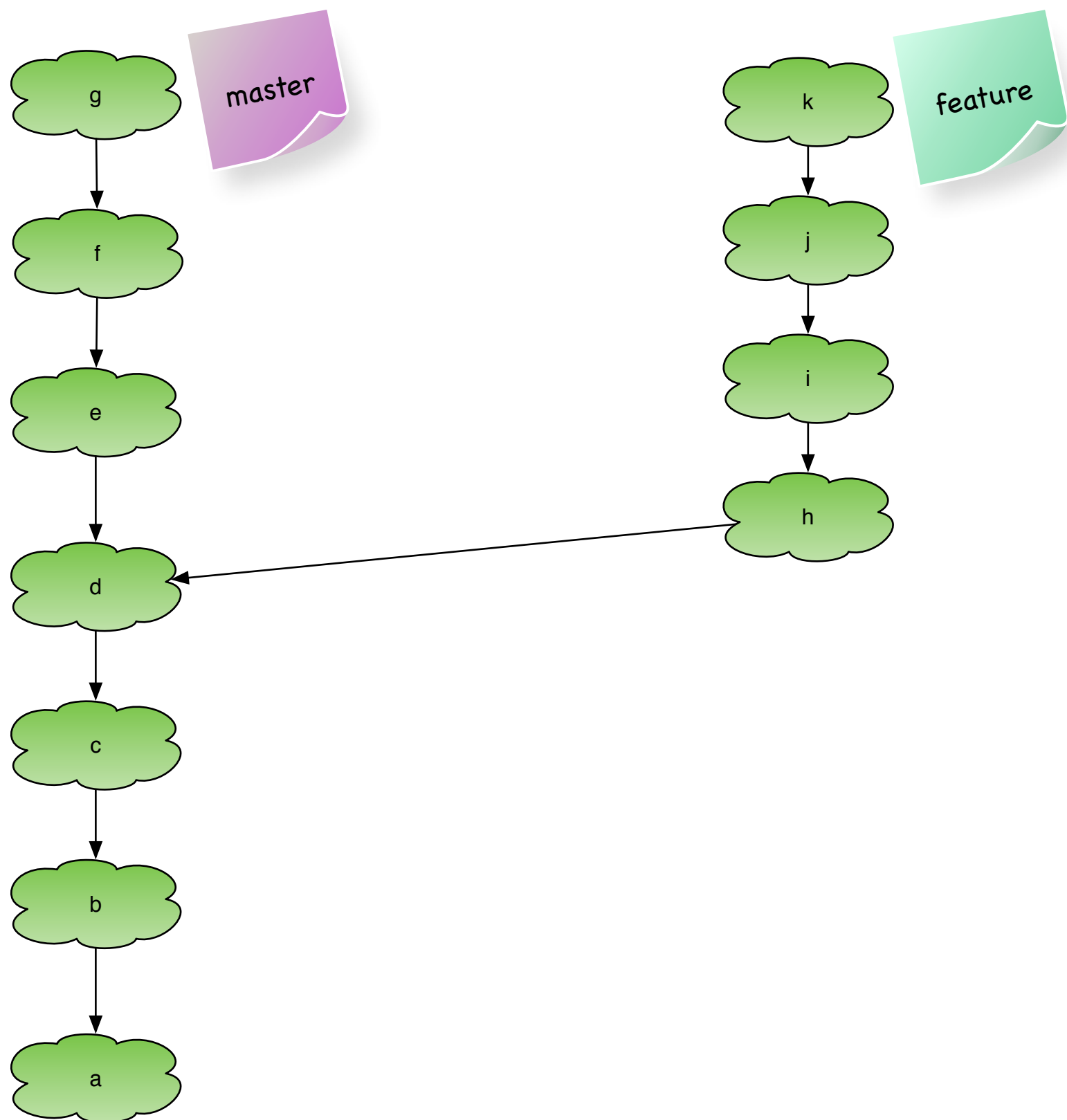


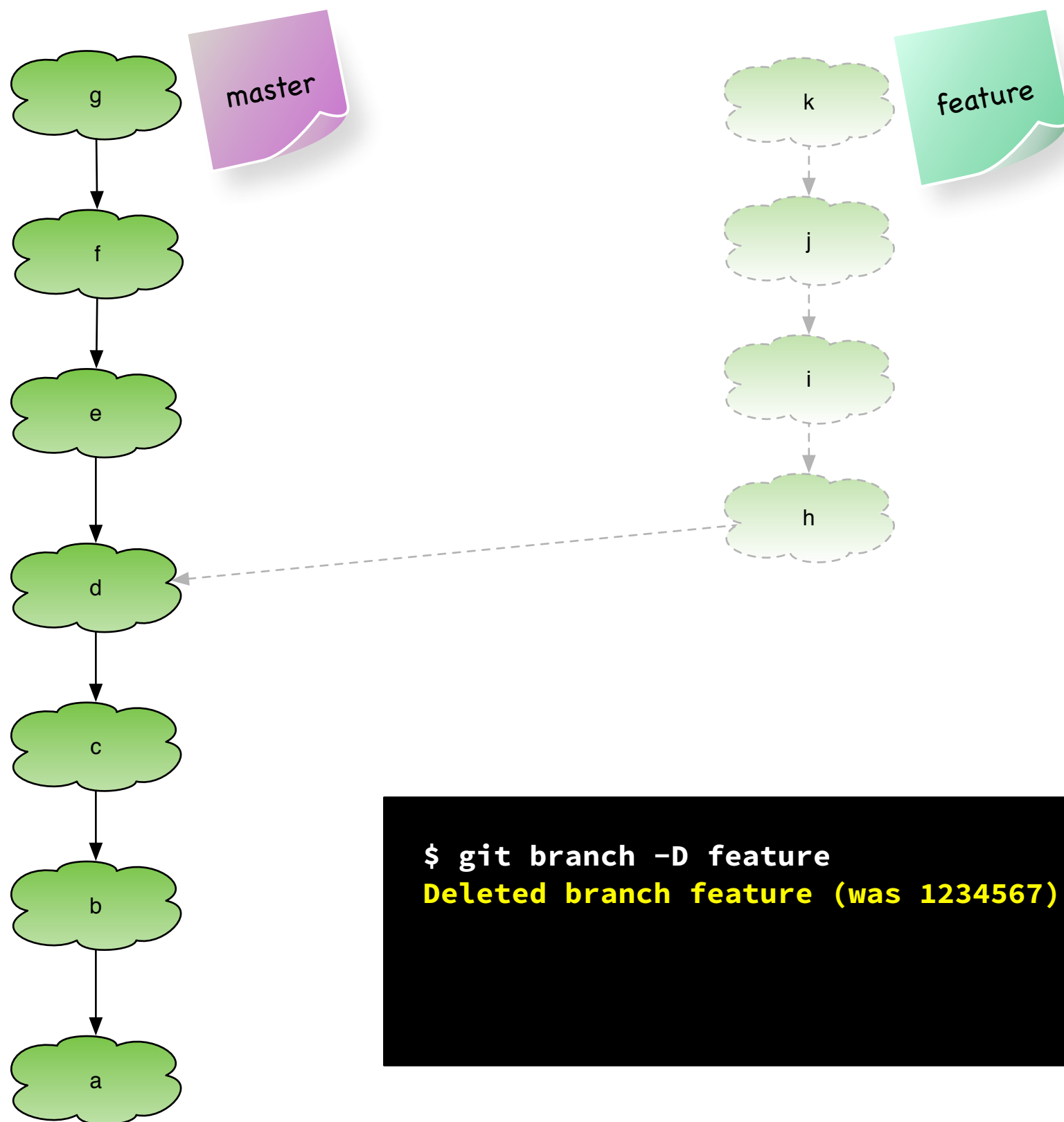
```
$ git rebase -i e^  
$ emacs  
$ git add ...
```



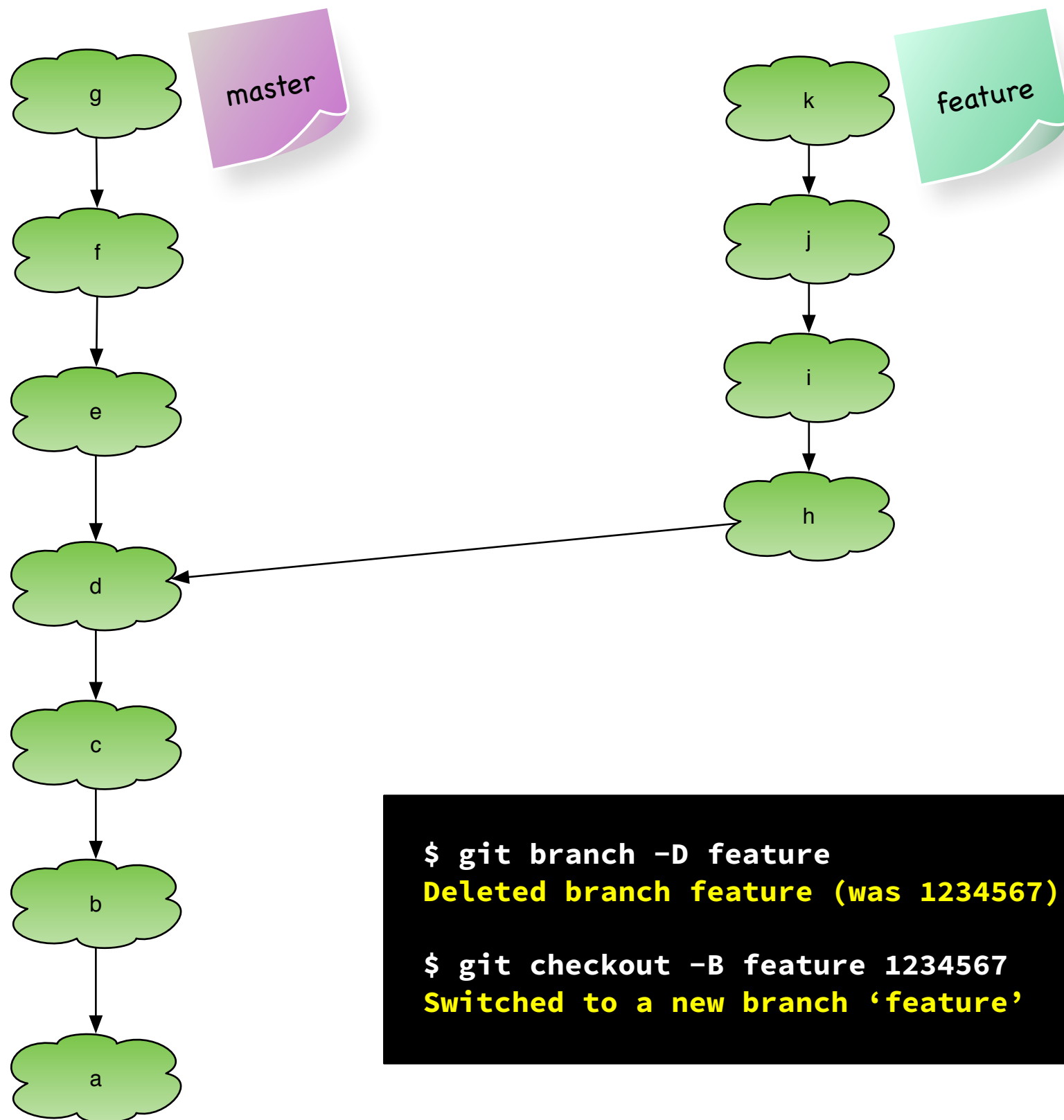
```
$ git rebase -i e^  
$ emacs  
$ git add ...  
$ git rebase --continue
```

Scenario:
Finding lost work



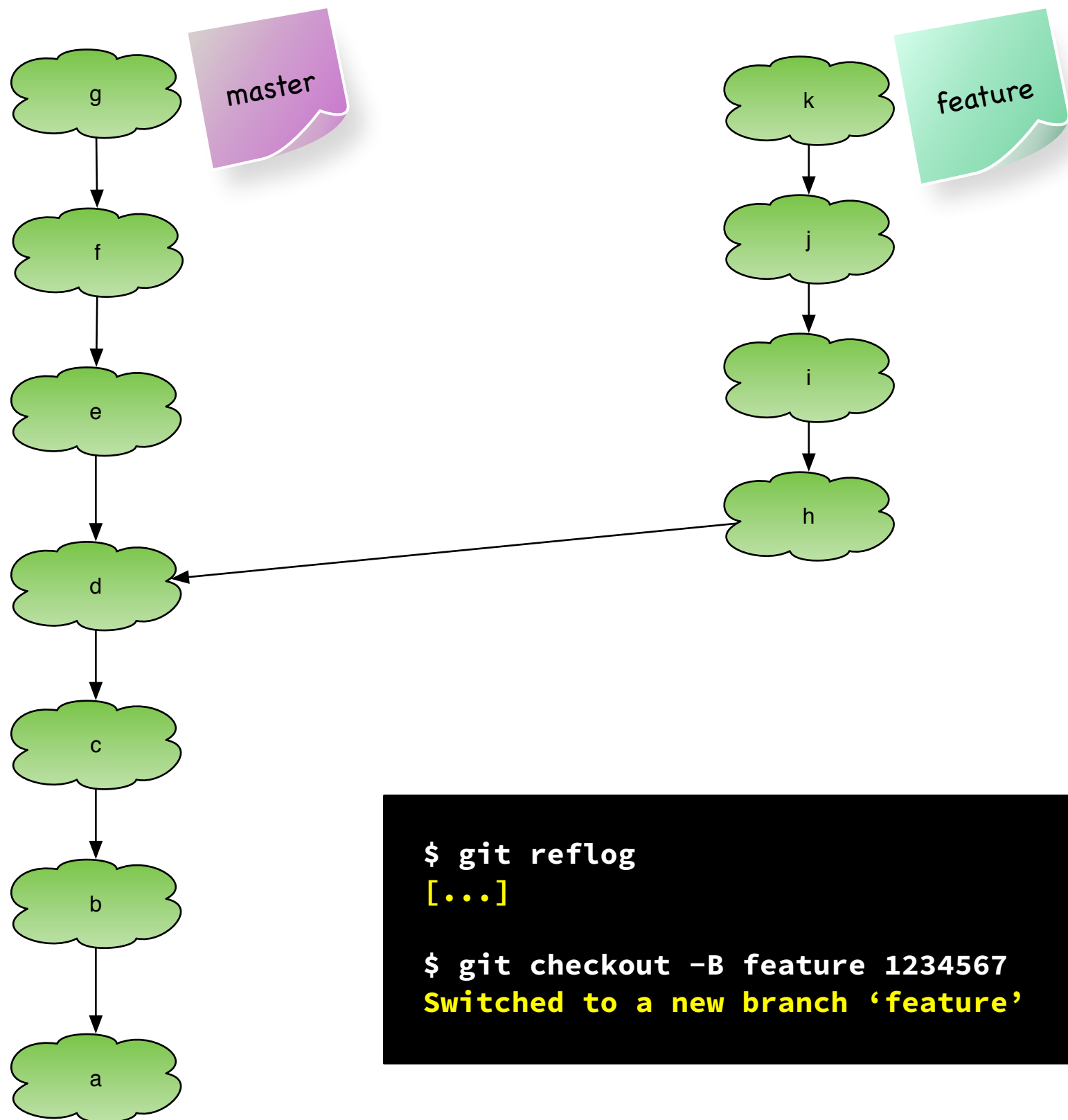


```
$ git branch -D feature  
Deleted branch feature (was 1234567).
```



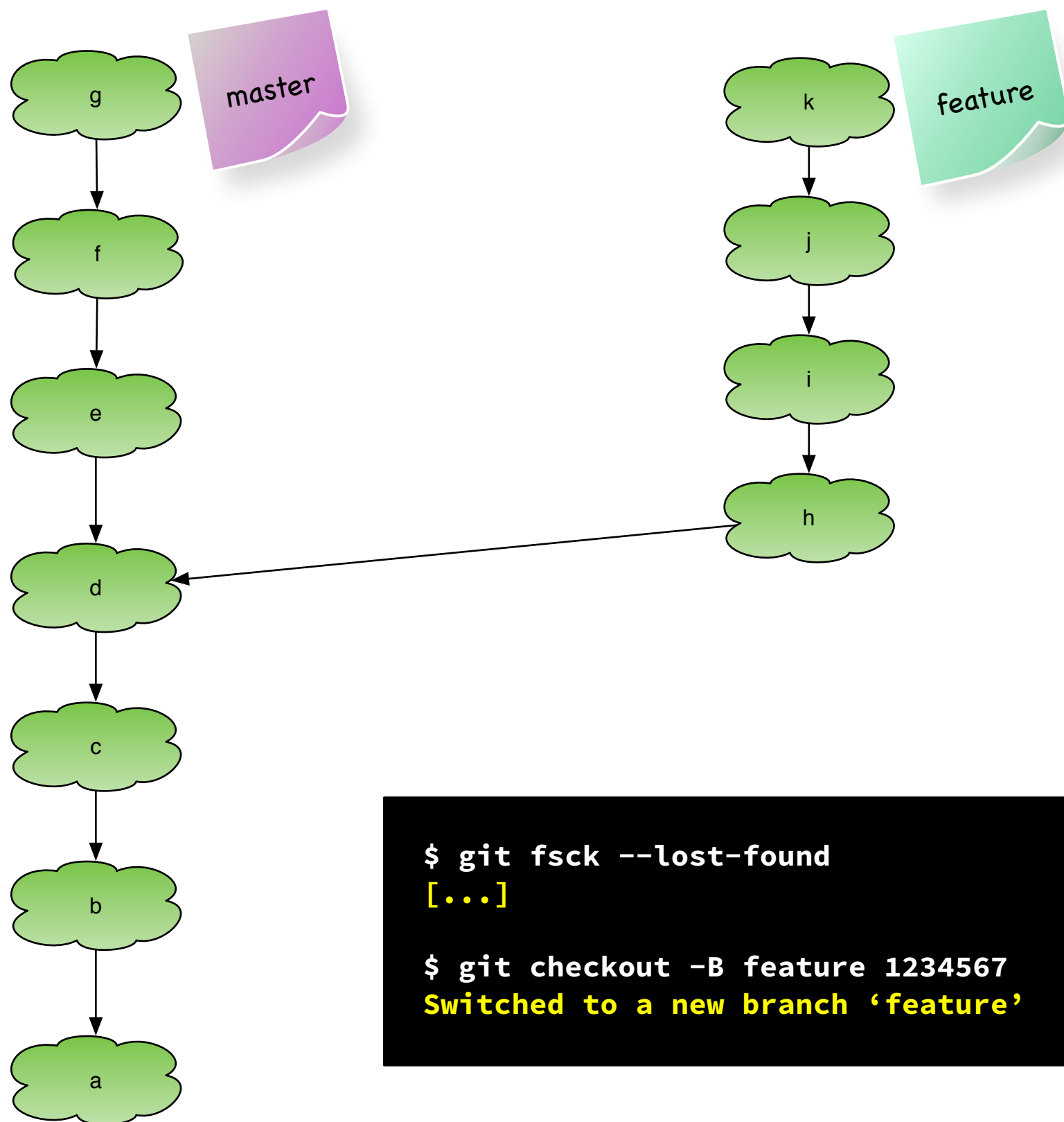
```
$ git branch -D feature  
Deleted branch feature (was 1234567).
```

```
$ git checkout -B feature 1234567  
Switched to a new branch 'feature'
```



```
$ git reflog  
[...]
```

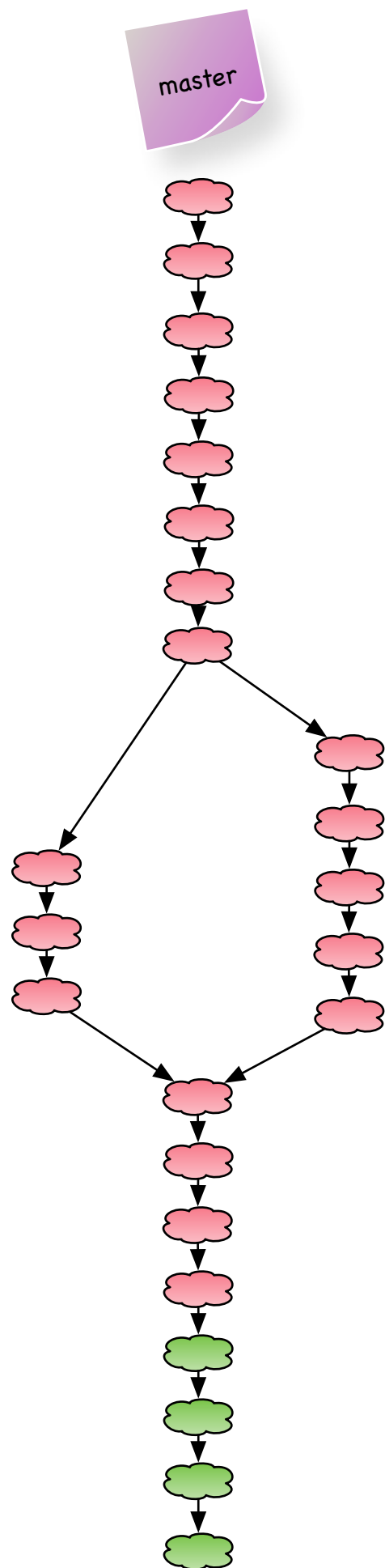
```
$ git checkout -B feature 1234567  
Switched to a new branch 'feature'
```



```
$ git fsck --lost-found  
[...]
```

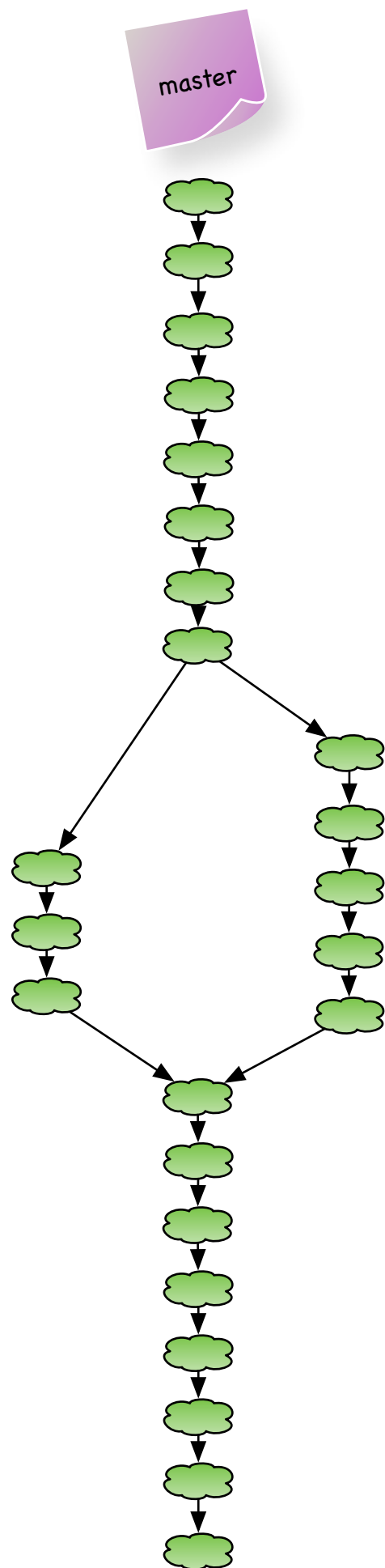
```
$ git checkout -B feature 1234567  
Switched to a new branch 'feature'
```

Scenario:
global thermonuclear war





```
$ git filter-branch -f --tree-filter 'rm -f id_rsa' master
```



```
$ git filter-branch -f --index-filter 'git rm --cached \
--ignore-unmatch id_rsa' master
```