

DRUPALCAMP STOCKHOLM, MARCH 8 2013



Branch branch branch and then rebase
a Git workflow

Speaker: Fredrik Jonsson

broken English
vs
hygglig svenska



Drupals xudil & tnumdoleval laulu

Fredrik Jonsson

xddeb.net

xddeb.org/blog/frjo

[drupal.org/user/5546 \(frjo\)](http://drupal.org/user/5546)

- ⦿ Started using Drupal 2003.
- ⦿ Freelance Drupal developer since 2006.
- ⦿ Maintainer of the Colorbox, Modal forms, Markdown and Markdown editor modules.
- ⦿ Recently started Drupalsnack.se podcast.



Av Drupalfolk för Drupalfolk på svenska



drupalsnack.se
@drupalsnack
RSS & iTunes

Av Drupalfolk för Drupalfolk på svenska

Git

What works for you are good.

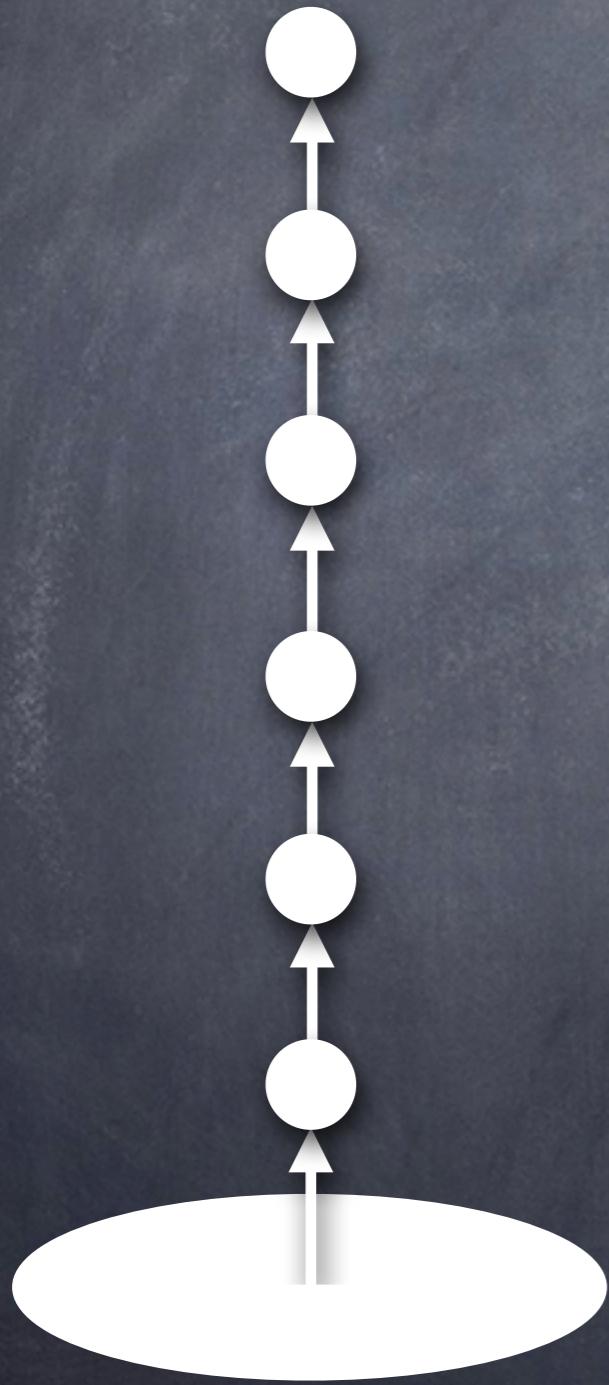
This works for me...

branch

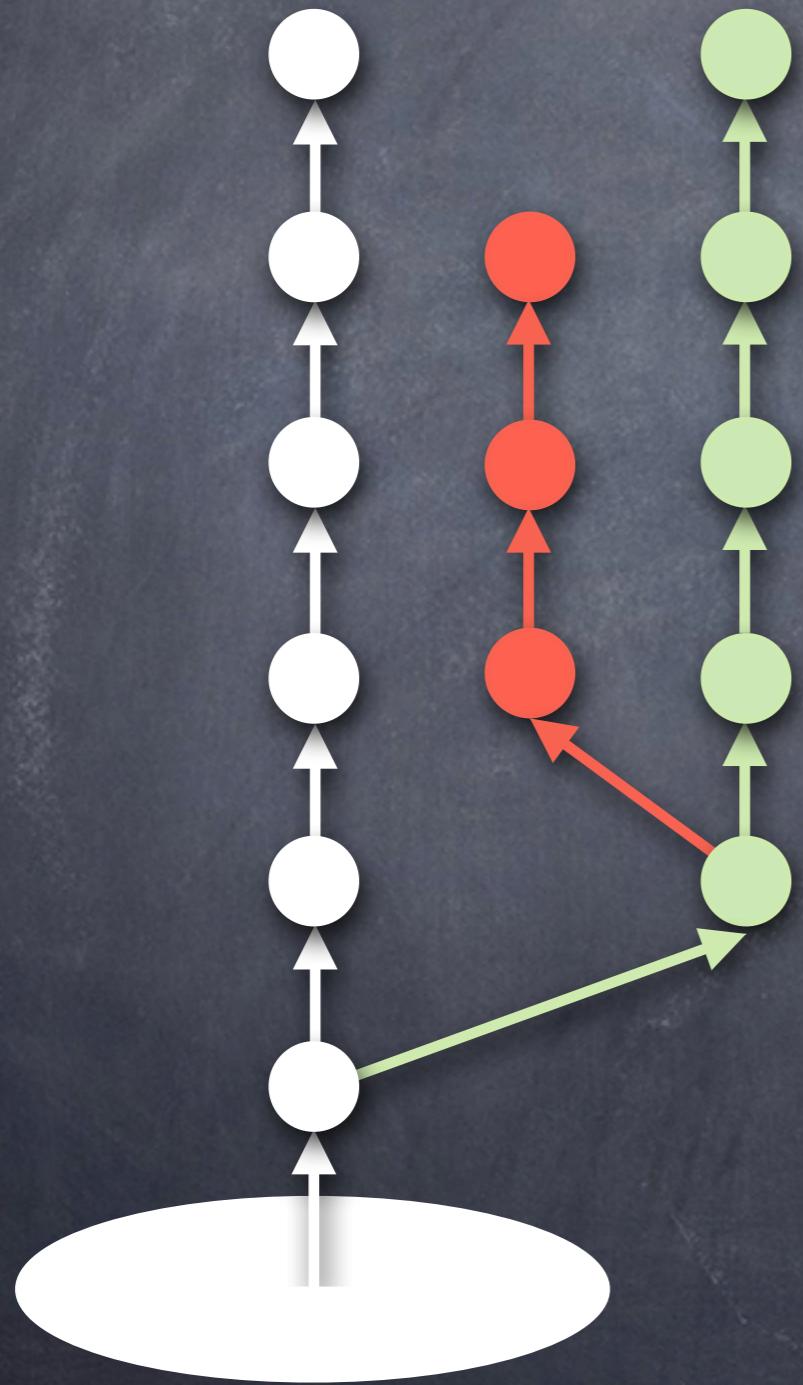
branch

branch

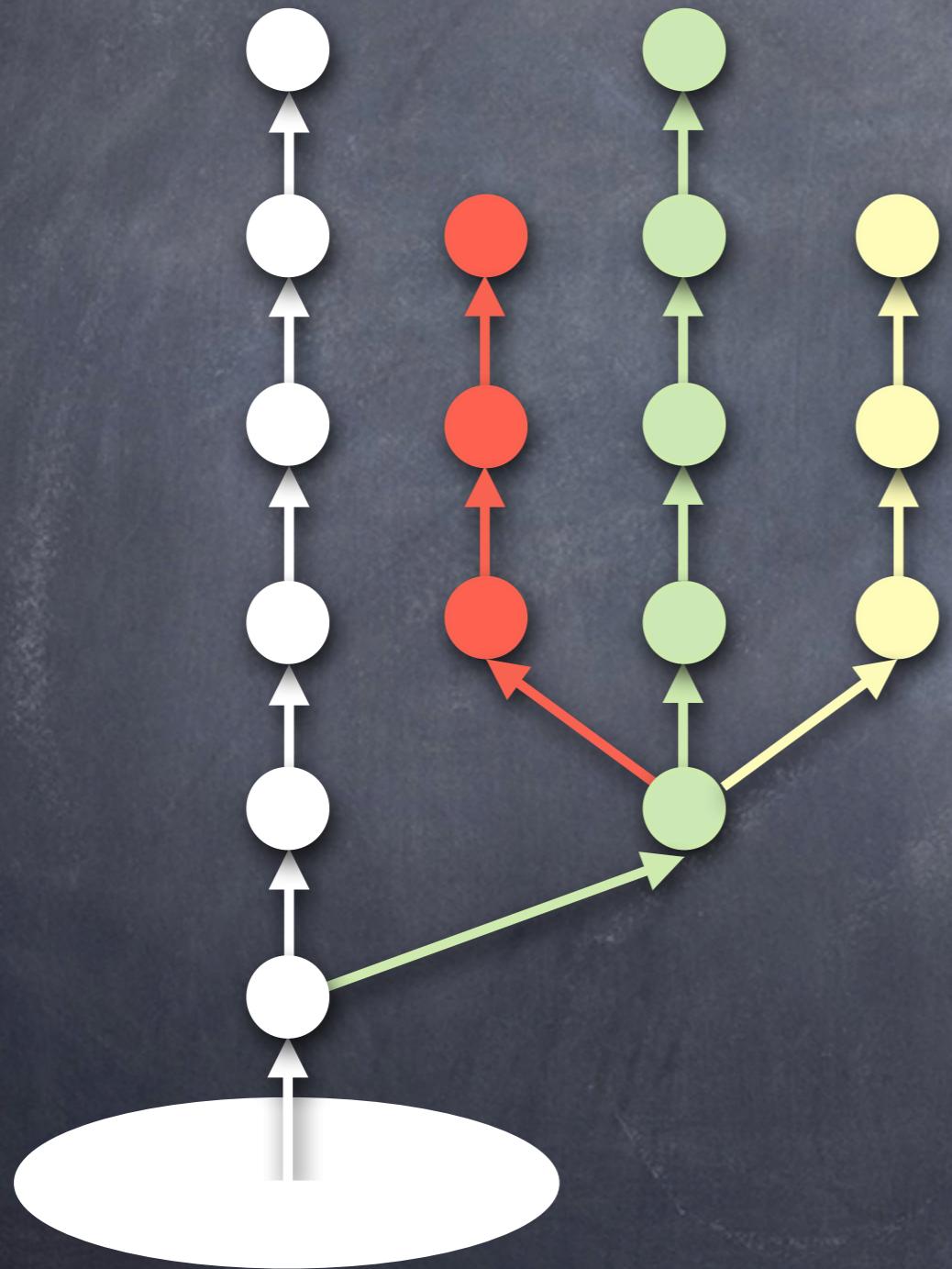
master



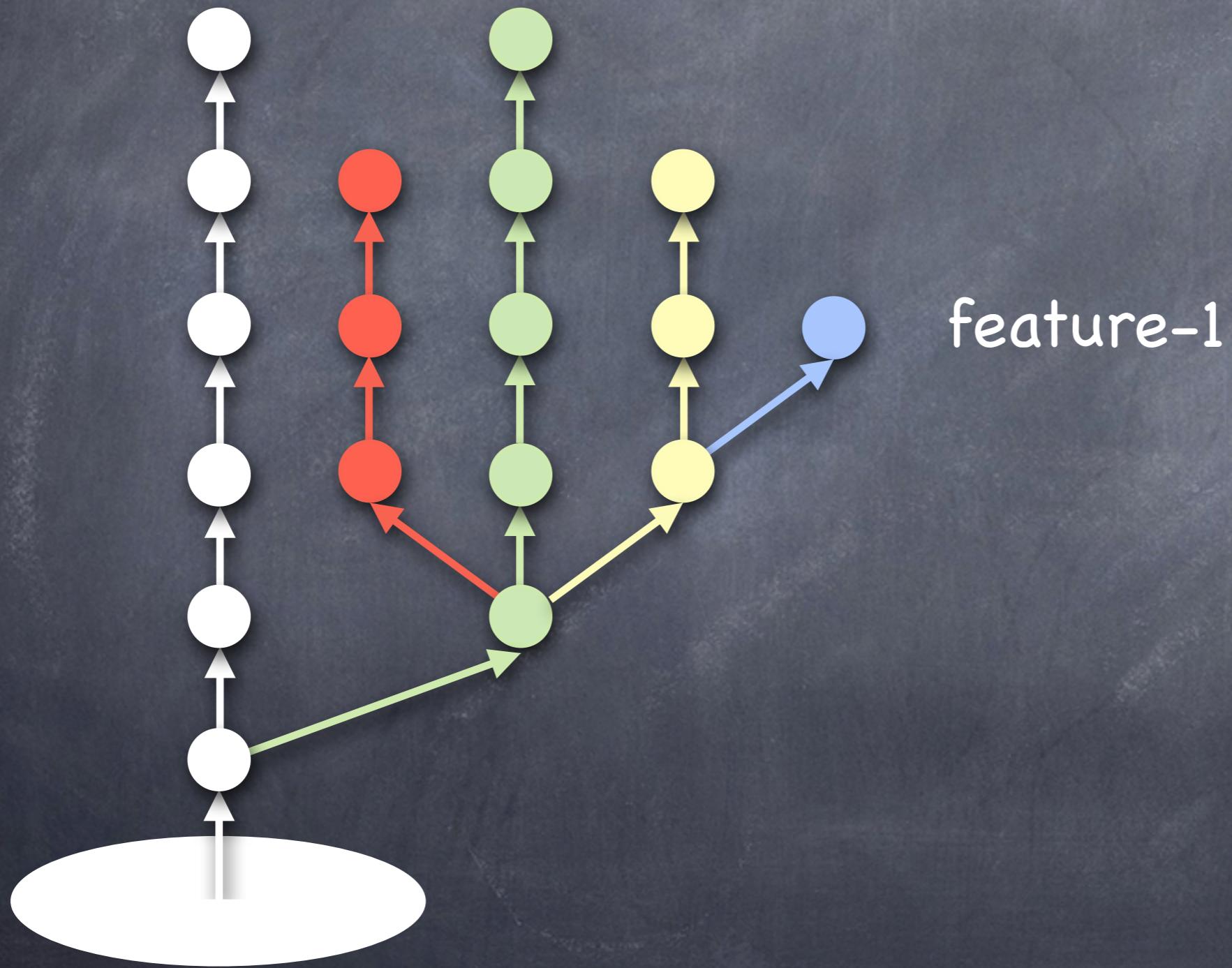
master
prod
stage



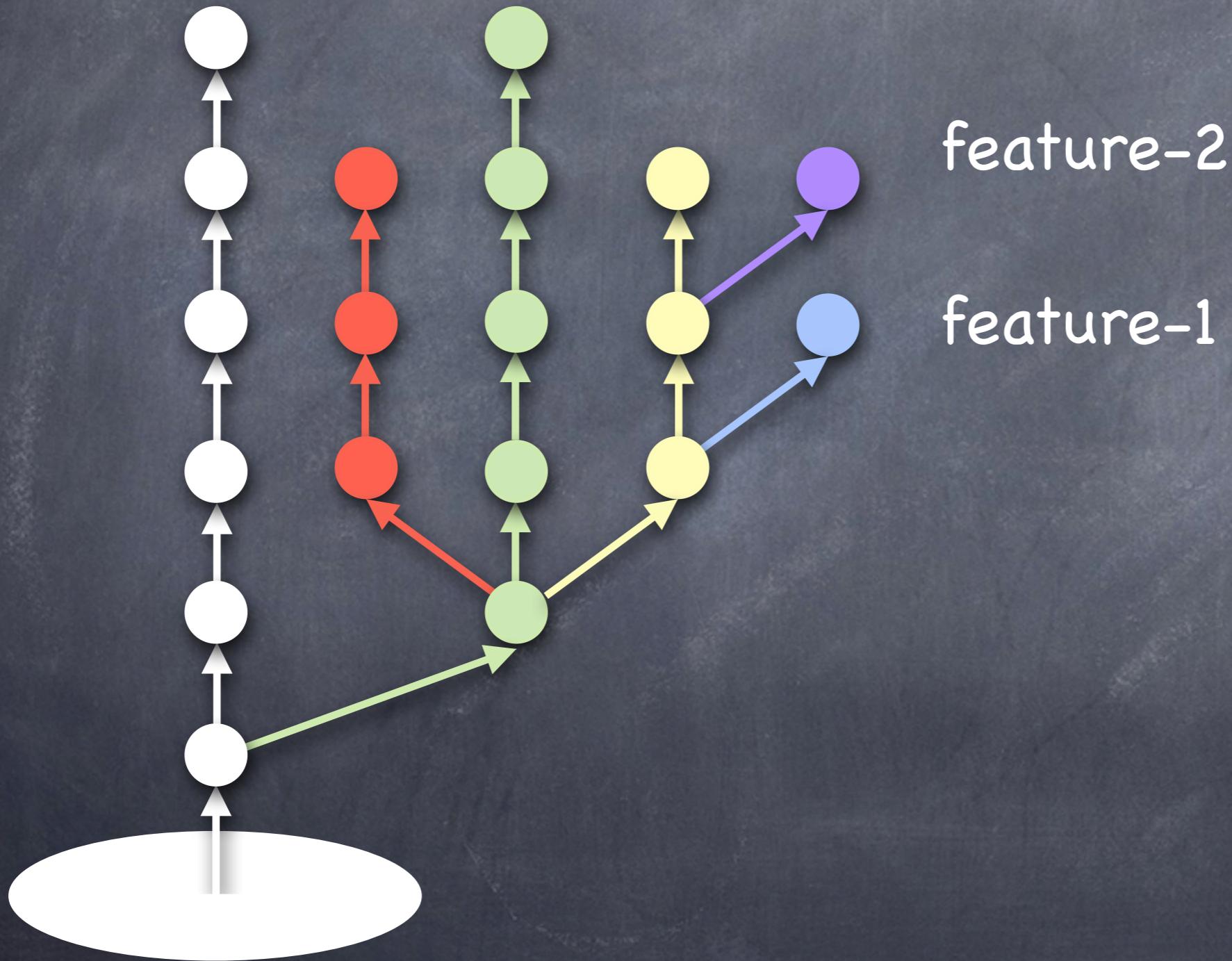
master
prod
stage
sprint-1



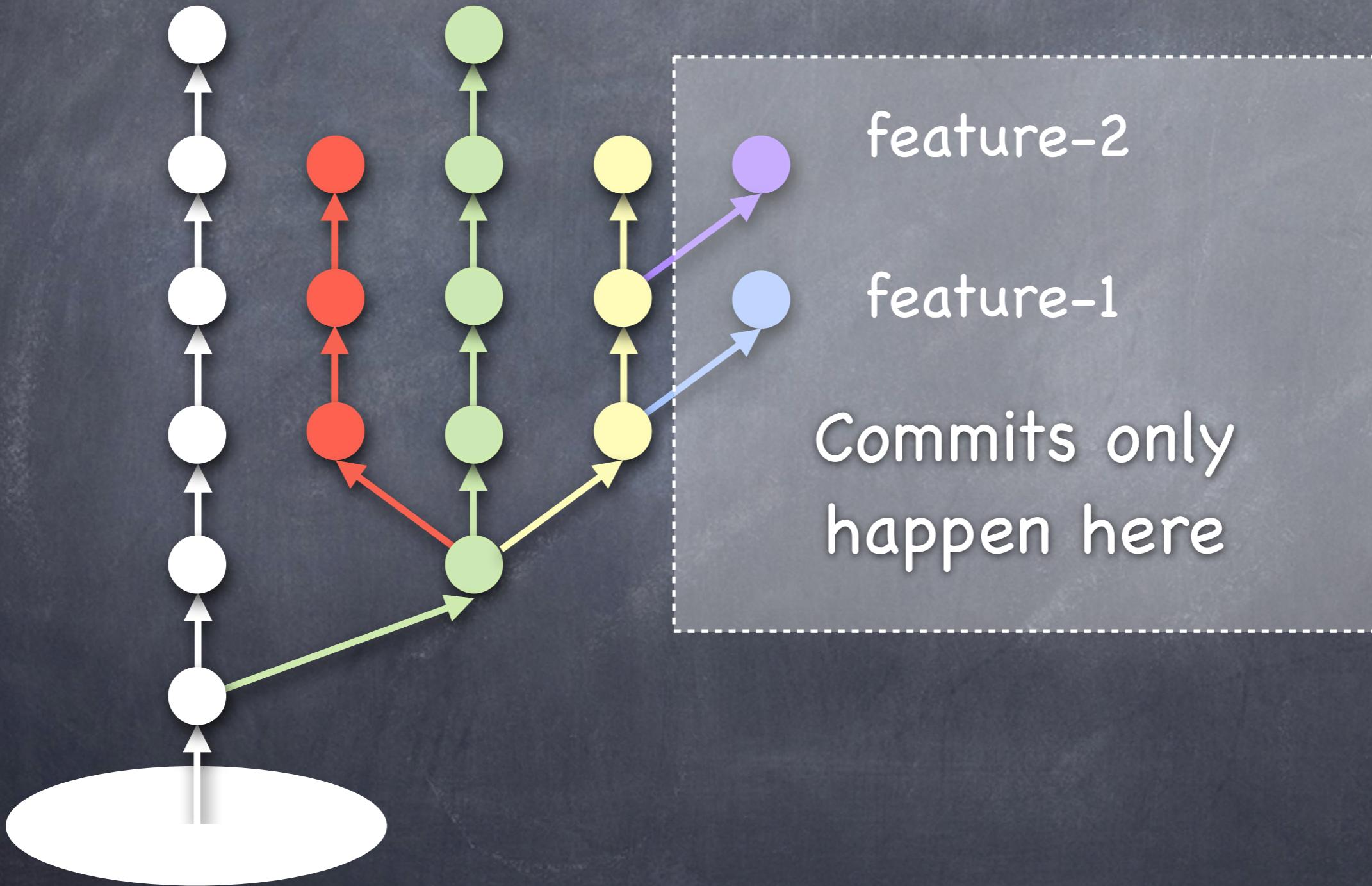
master prod stage sprint-1



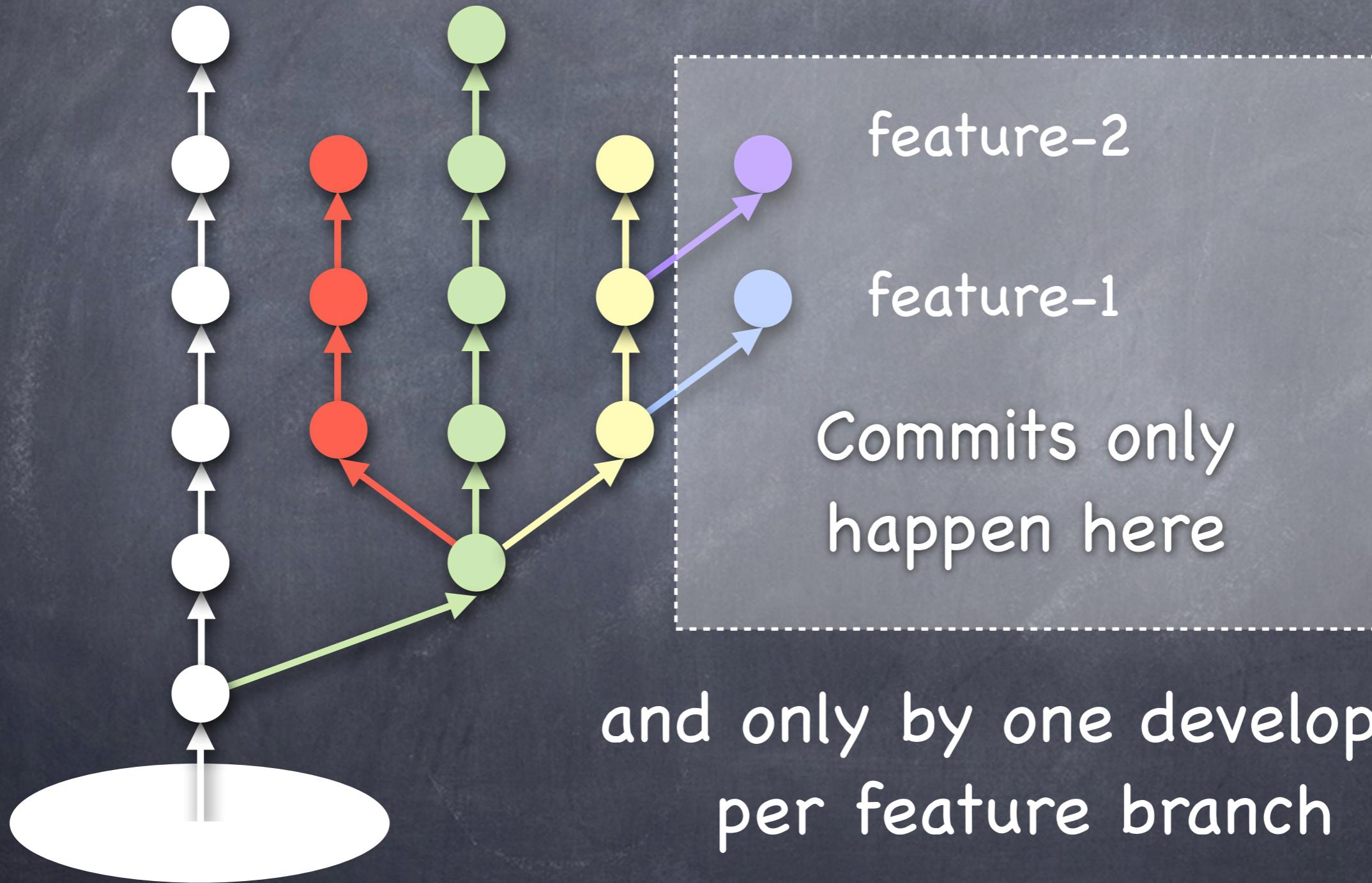
master
prod
stage
sprint-1



master
prod
stage
sprint-1



master
prod
stage
sprint-1



rebase

vs

merge

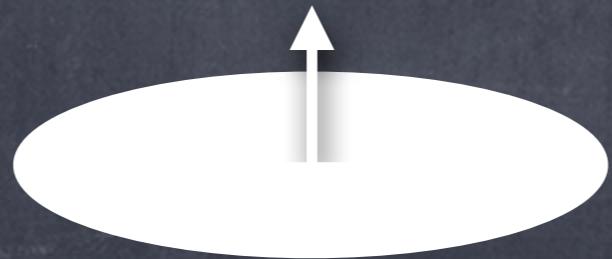
sprint-1

git init



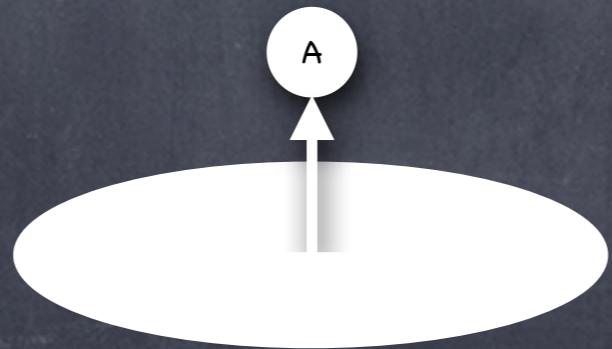
sprint-1

git add
git init



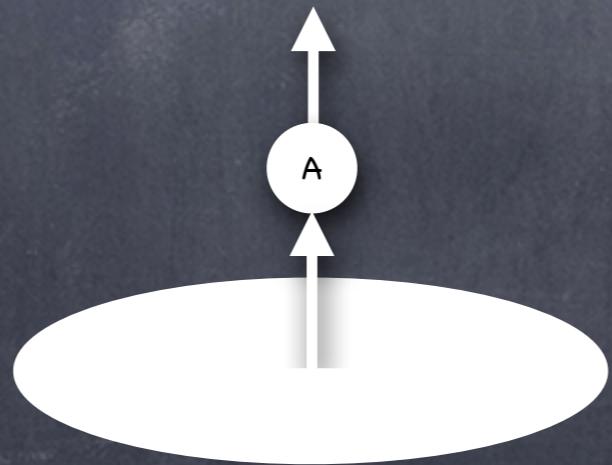
sprint-1

git commit
git add
git init



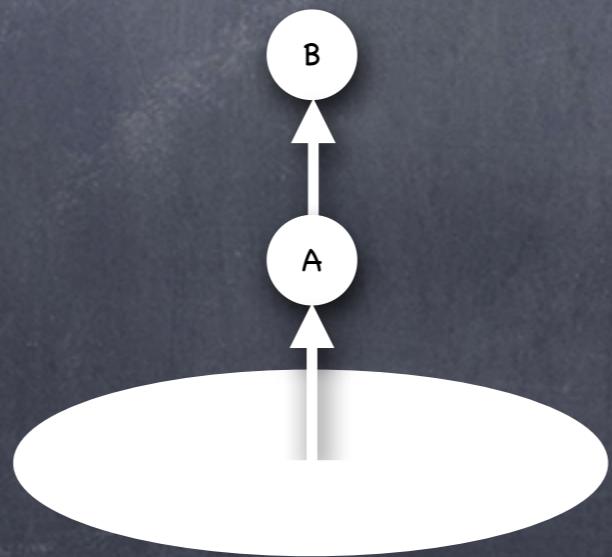
sprint-1

git add
git commit
git add
git init



sprint-1

```
git commit  
git add  
git commit  
git add  
git init
```

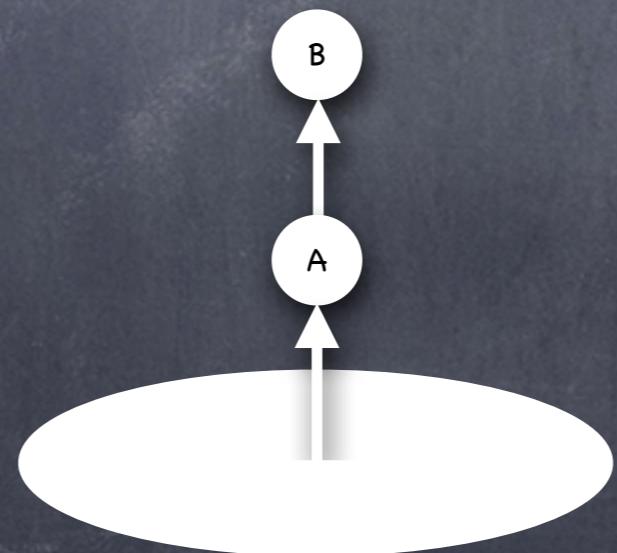


sprint-1

feature-1

git commit
git add
git commit
git add
git init

git branch

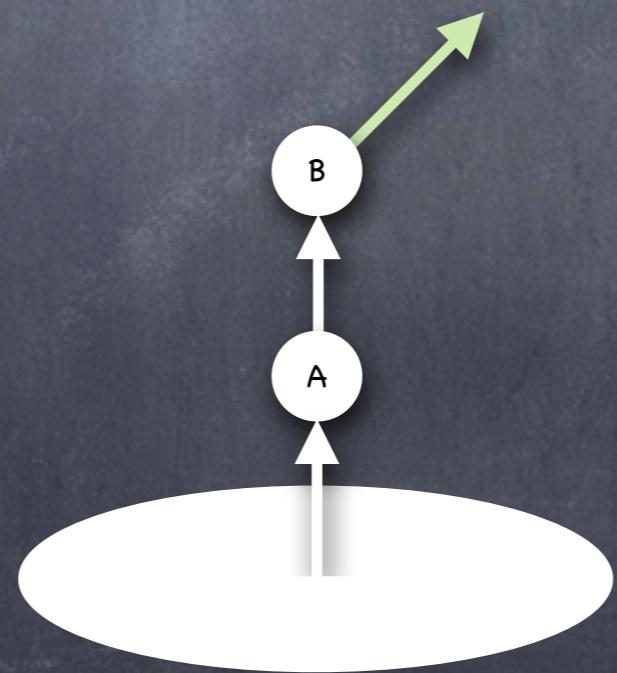


sprint-1

feature-1

git commit
git add
git commit
git add
git init

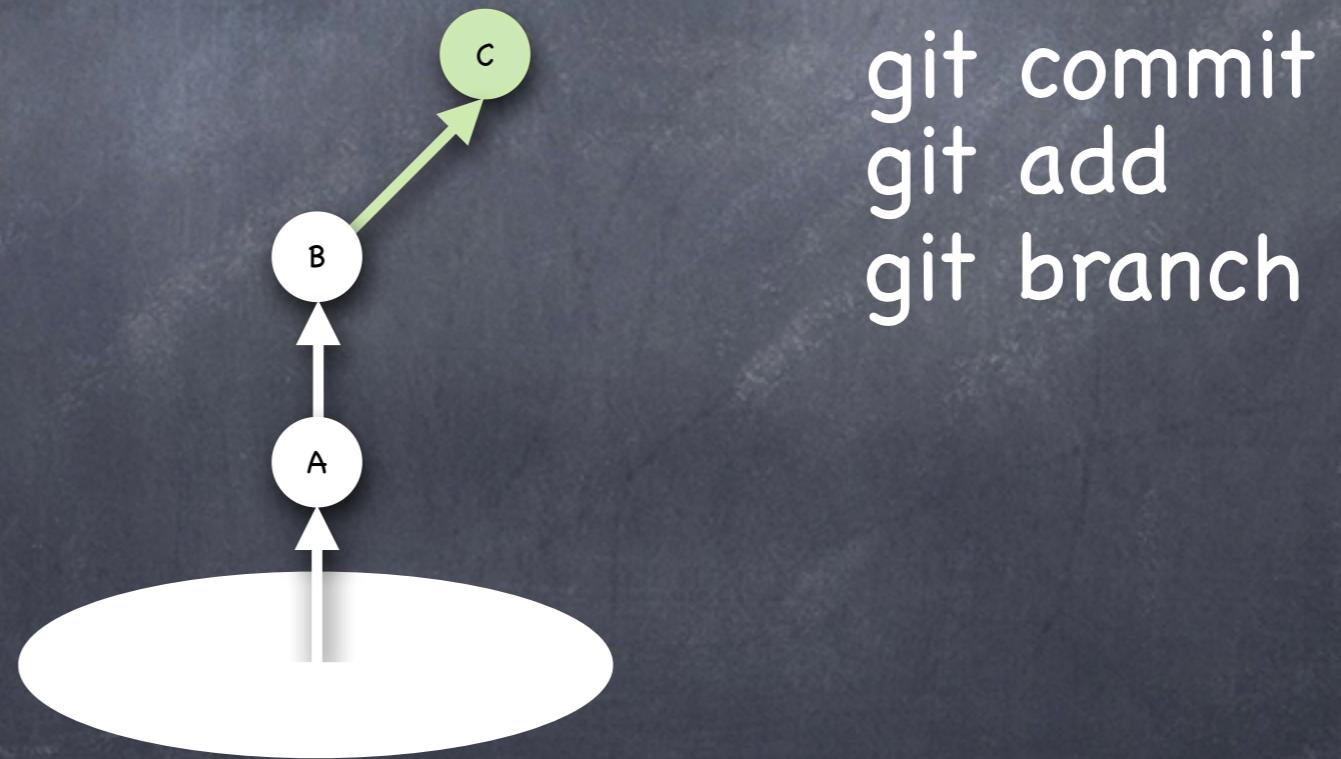
git add
git branch



sprint-1

feature-1

git commit
git add
git commit
git add
git init

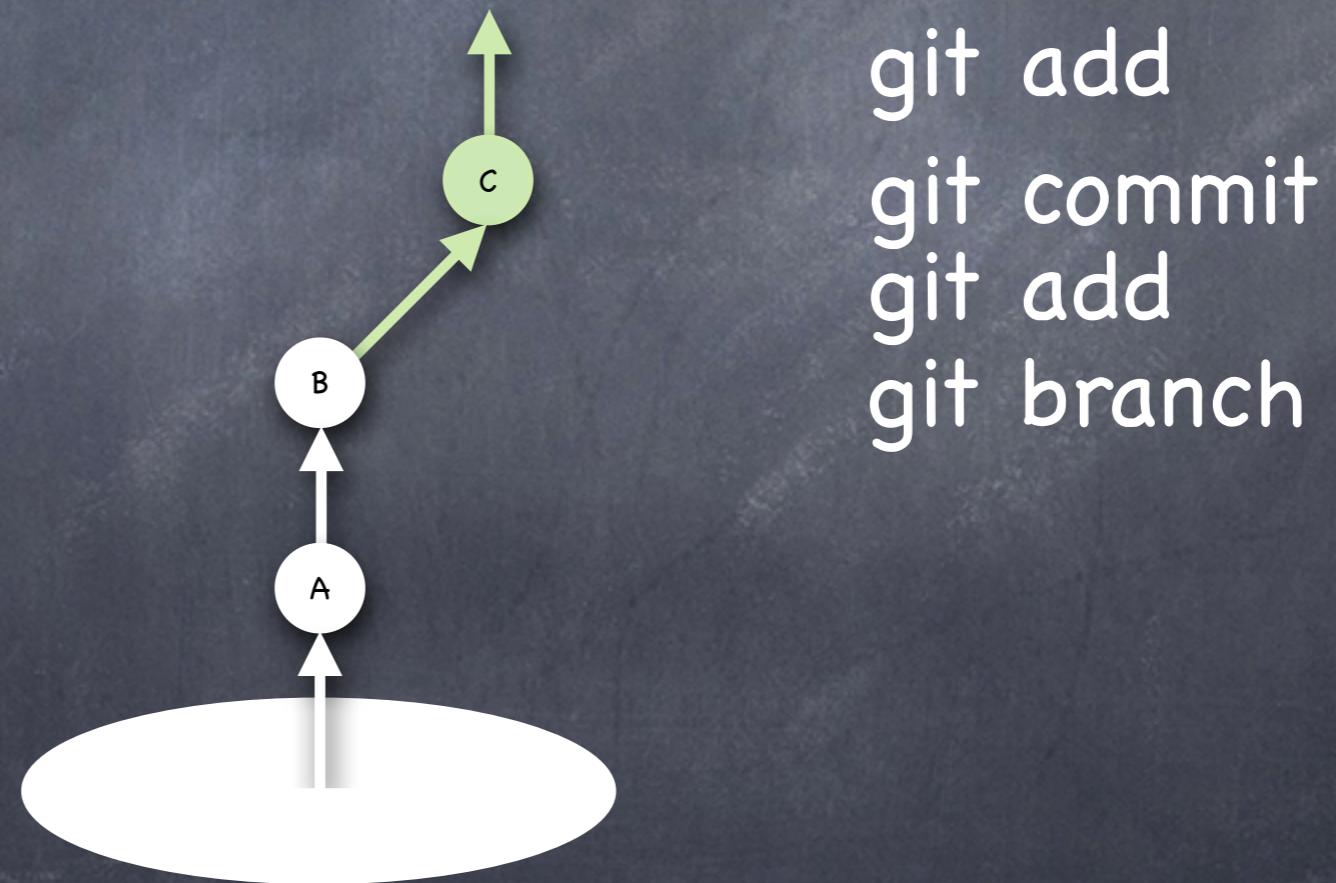


git commit
git add
git branch

sprint-1

feature-1

git commit
git add
git commit
git add
git init

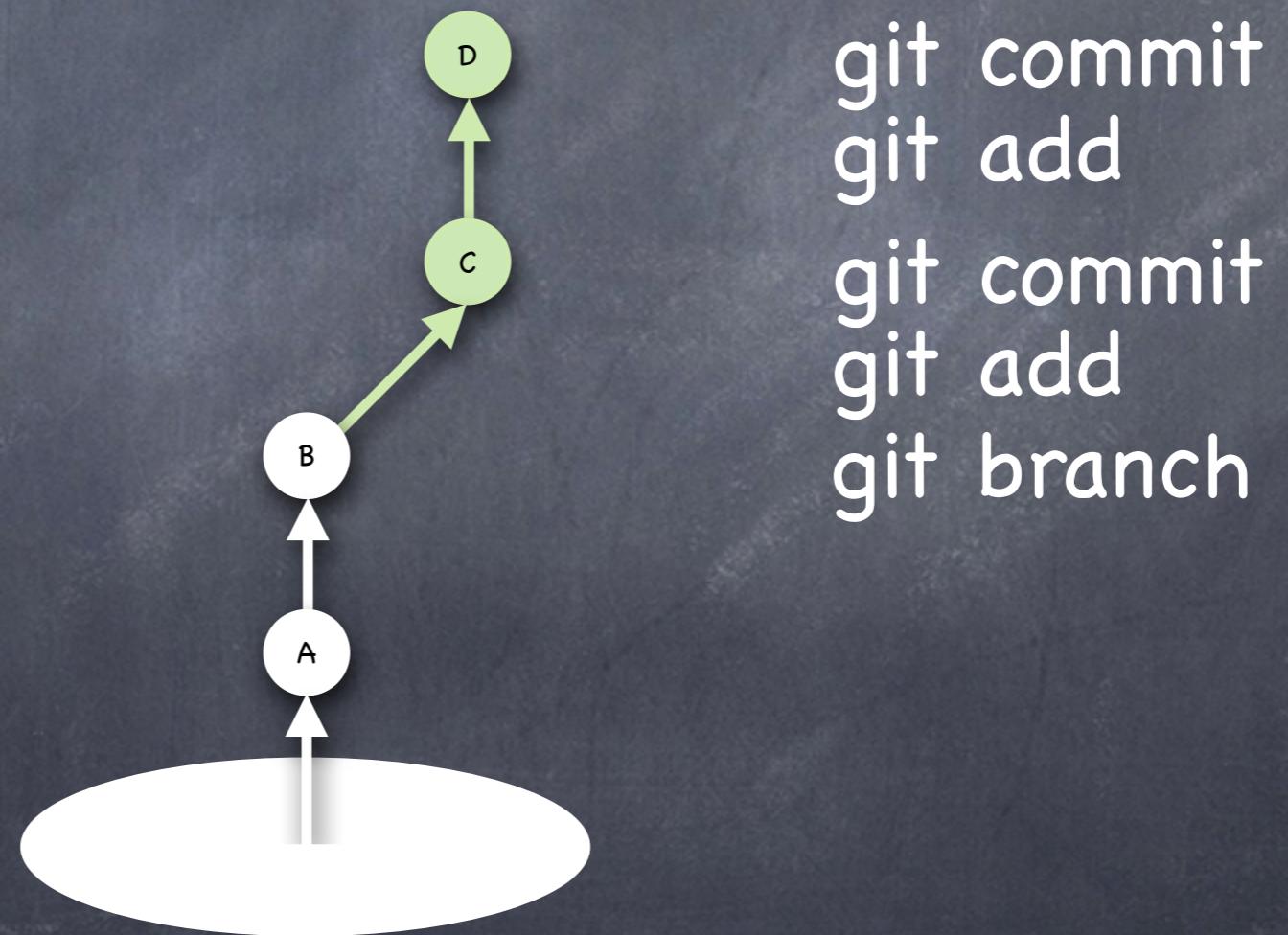


git add
git commit
git add
git branch

sprint-1

feature-1

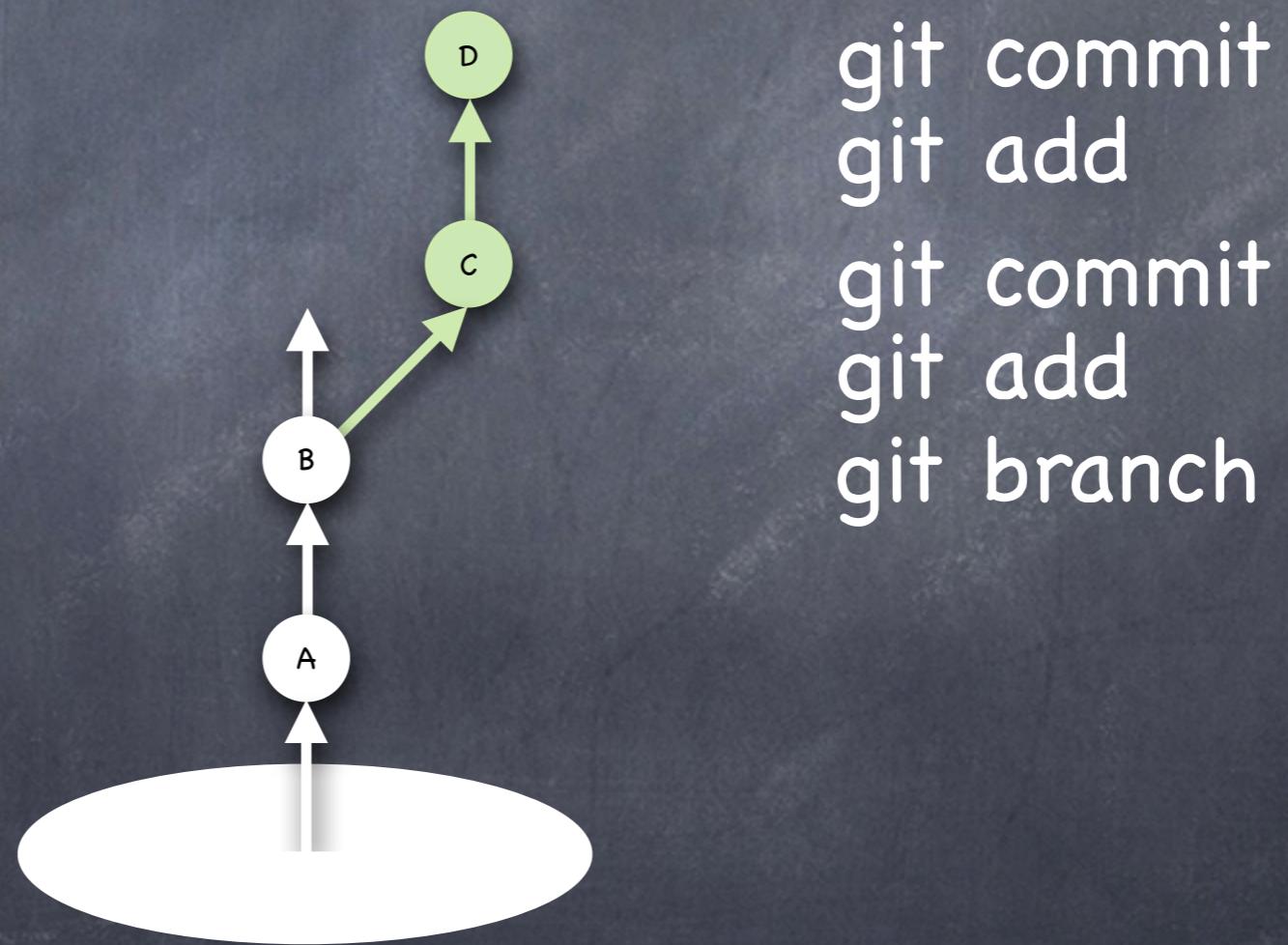
git commit
git add
git commit
git add
git init



sprint-1

feature-1

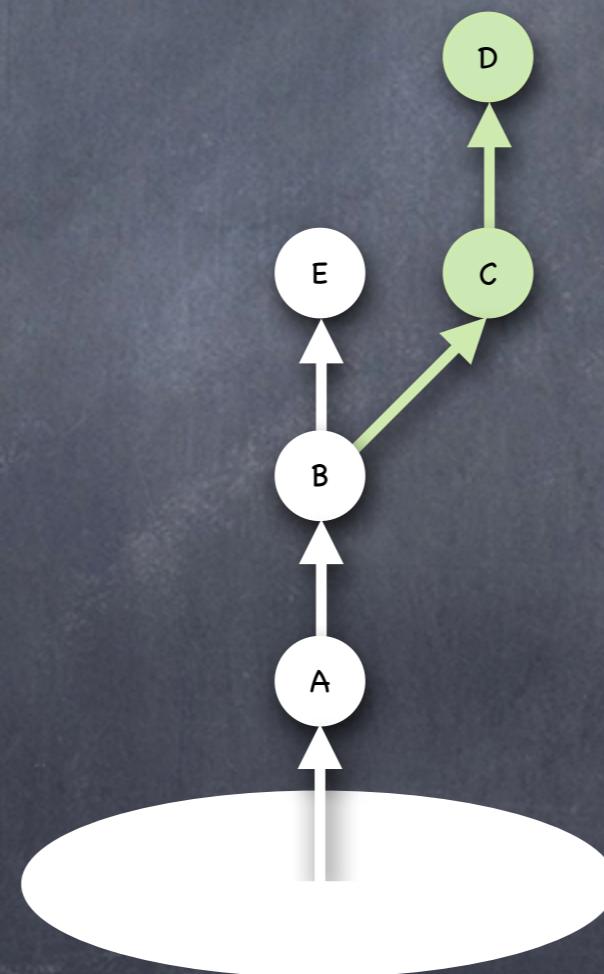
git add
git commit
git add
git commit
git add
git init



sprint-1

feature-1

git commit
git add
git commit
git add
git commit
git add
git init

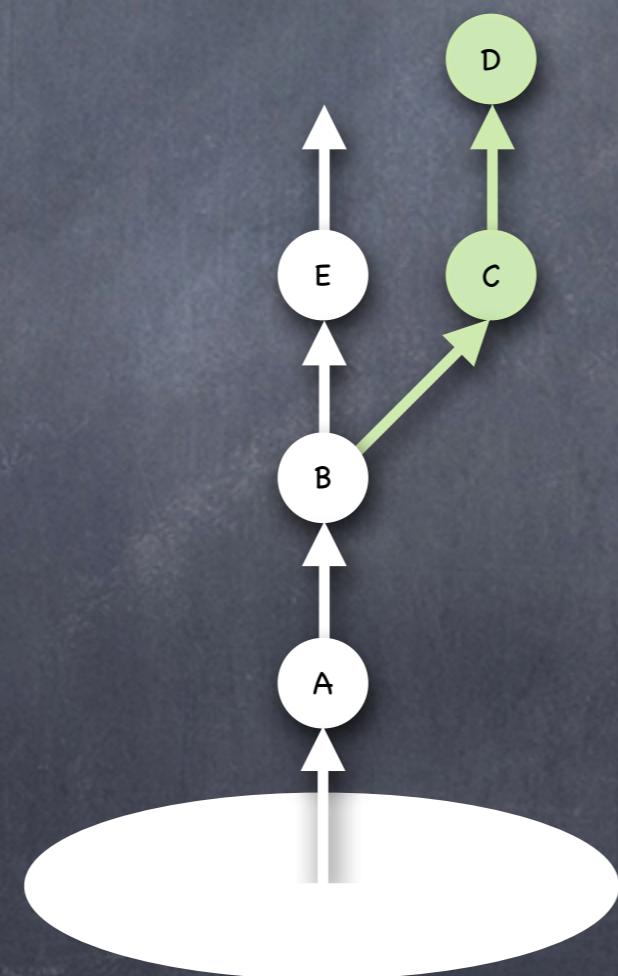


git commit
git add
git commit
git add
git branch

sprint-1

feature-1

git add
git commit
git add
git commit
git add
git commit
git add
git init

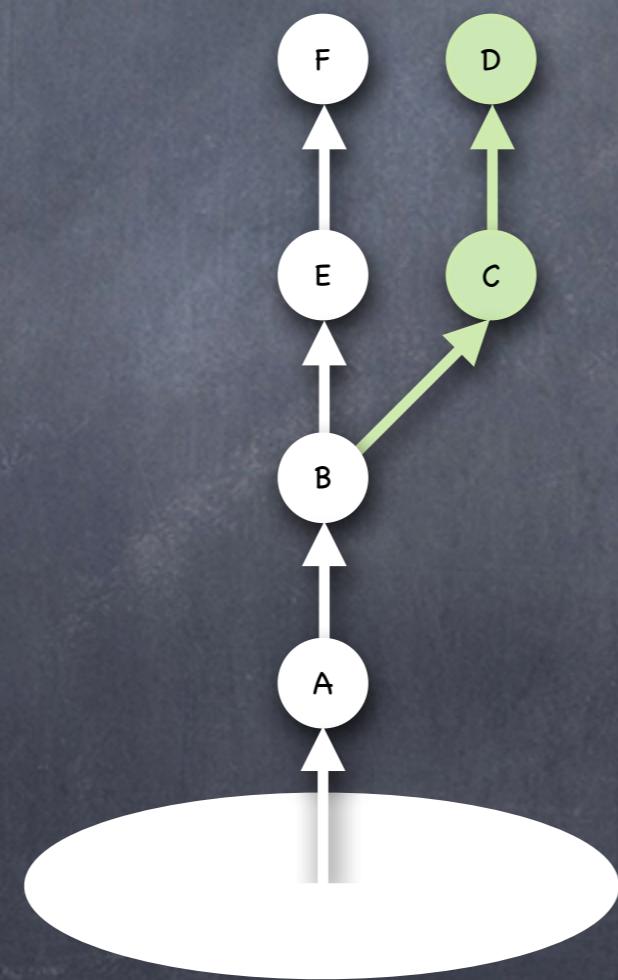


git commit
git add
git commit
git add
git branch

sprint-1

feature-1

git commit
git add
git commit
git add
git commit
git add
git commit
git add
git init

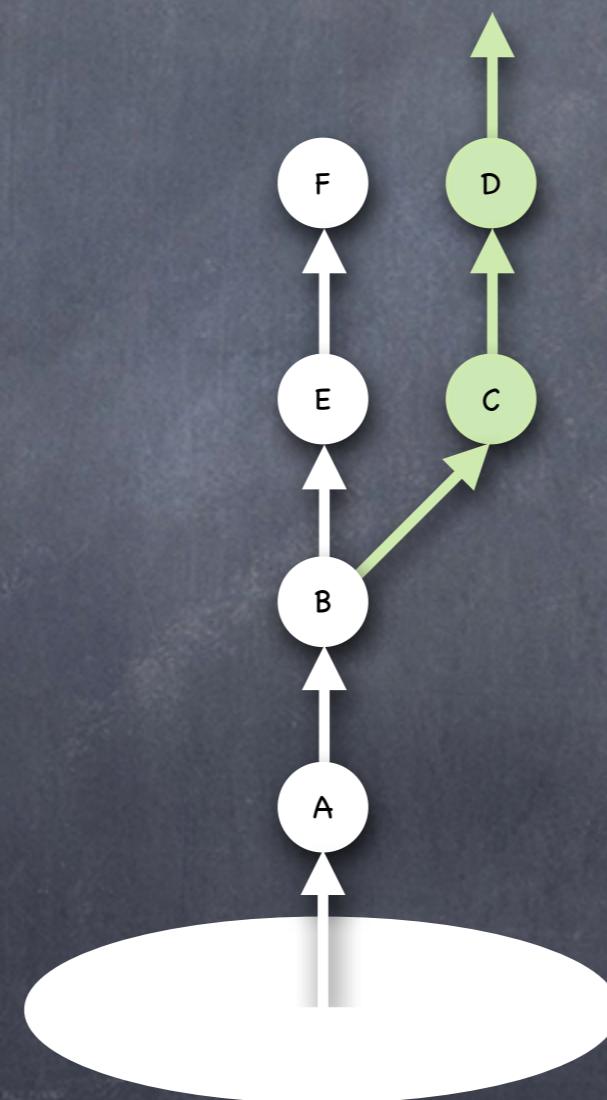


git commit
git add
git commit
git add
git branch

sprint-1

feature-1

git commit
git add
git commit
git add
git commit
git add
git commit
git add
git init

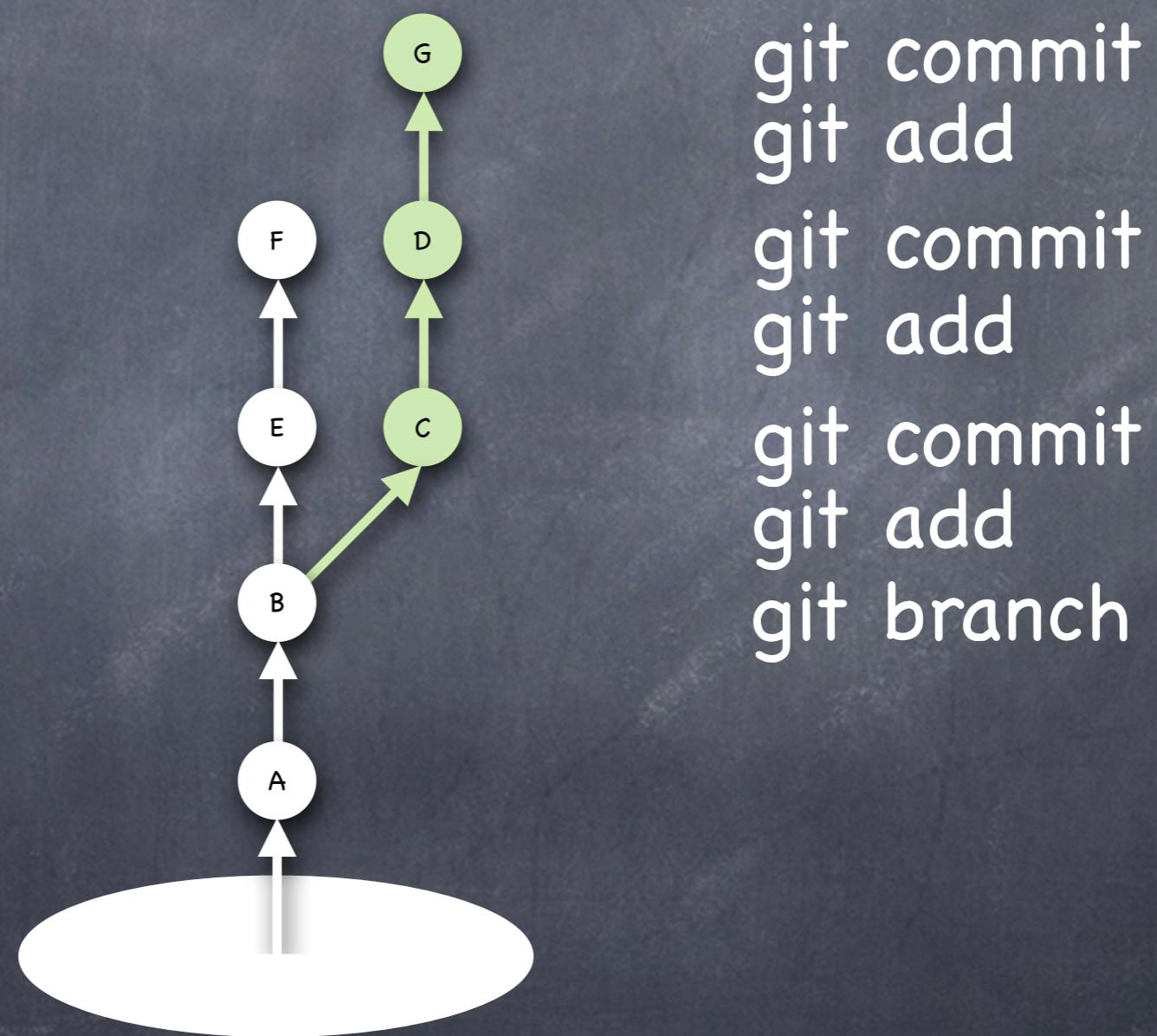


git add
git commit
git add
git commit
git add
git branch

sprint-1

feature-1

git commit
git add
git commit
git add
git commit
git add
git commit
git add
git init

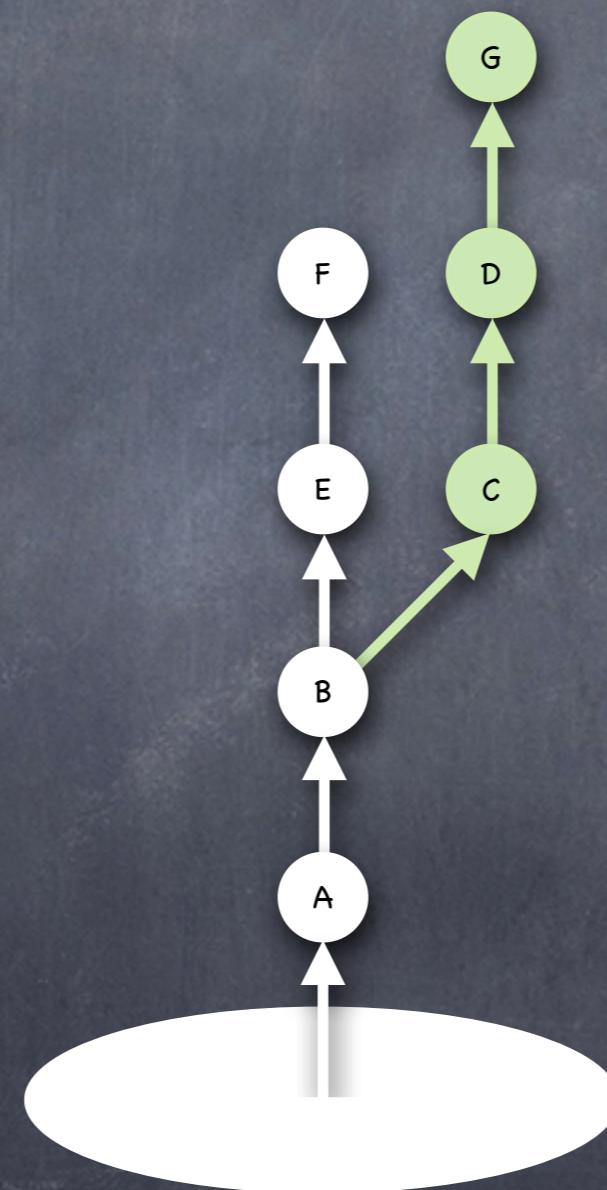


sprint-1

feature-1

What now?

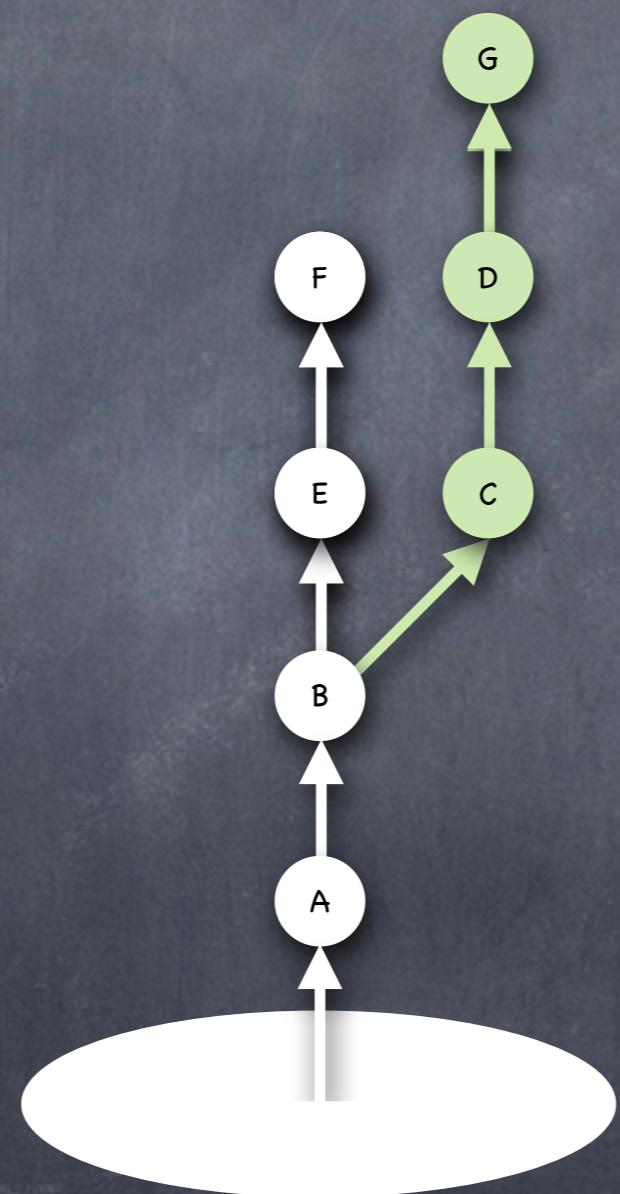
git commit
git add
git commit
git add
git commit
git add
git commit
git add
git init



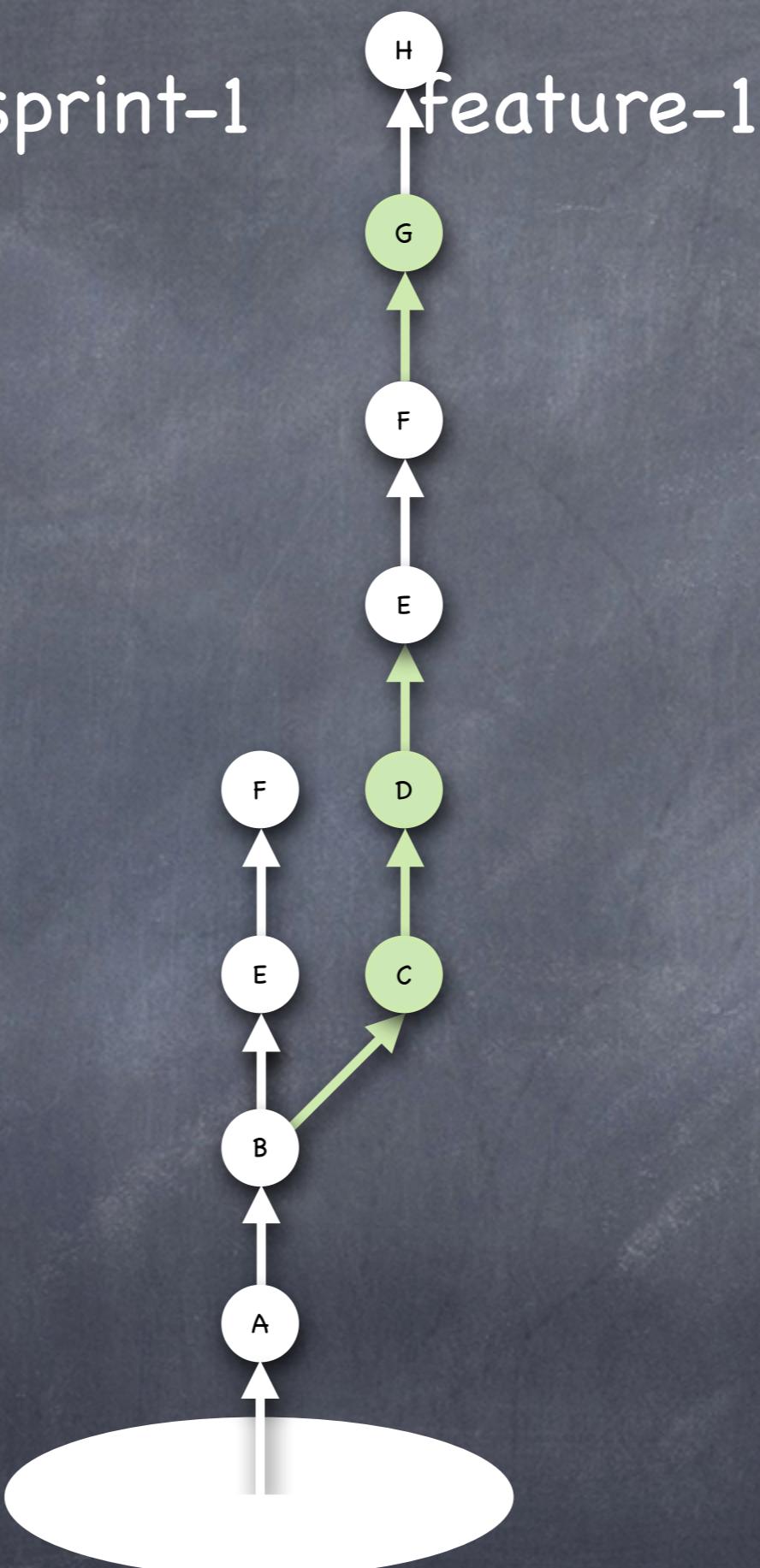
git commit
git add
git commit
git add
git commit
git add
git branch

merge

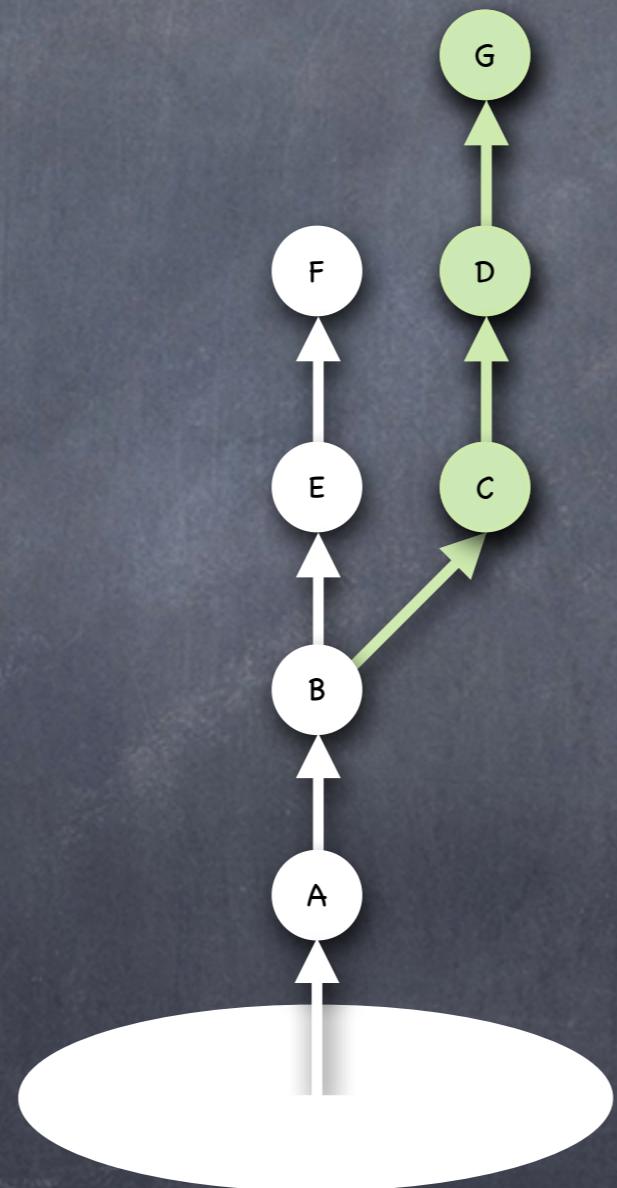
sprint-1 feature-1

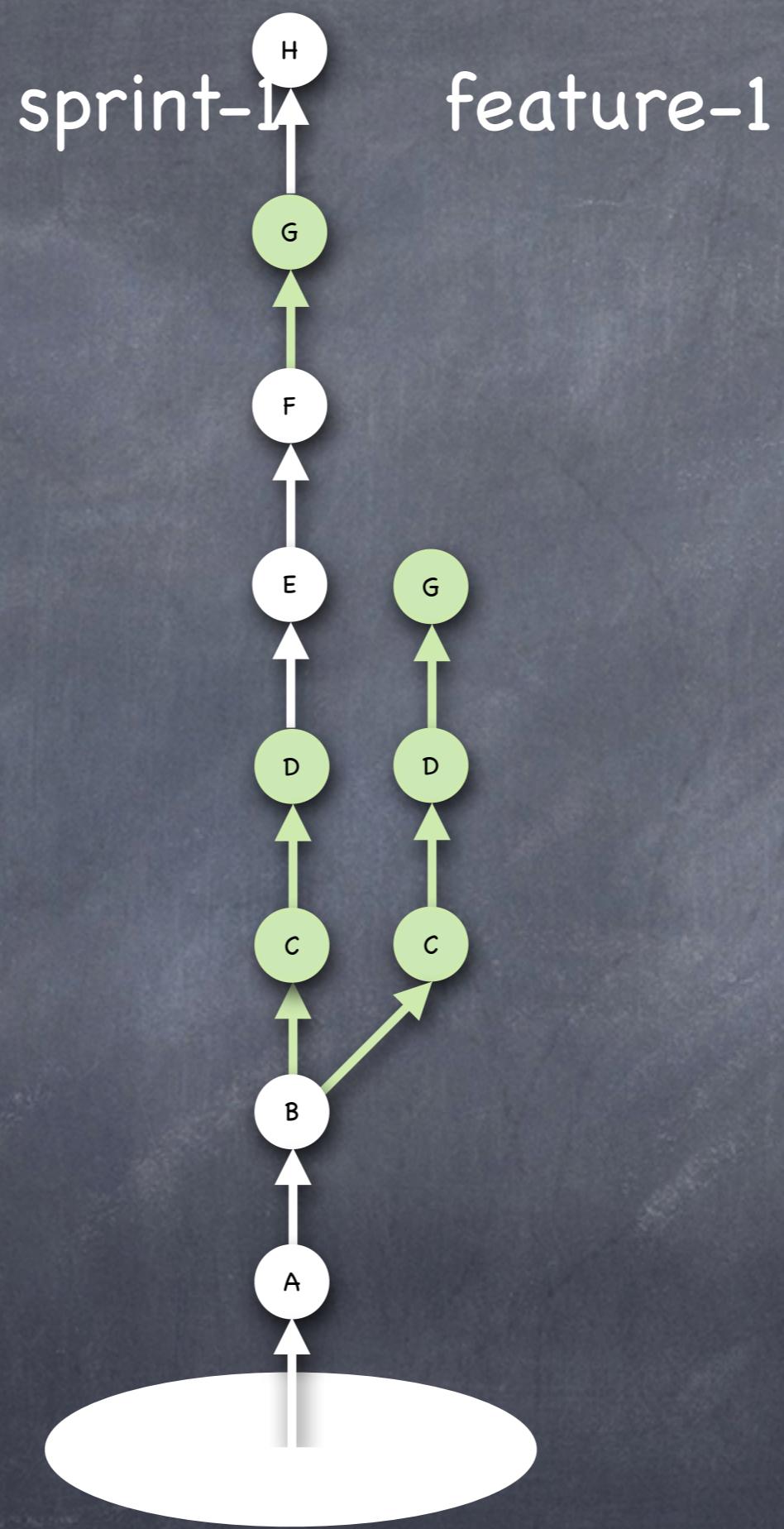


sprint-1



sprint-1 feature-1

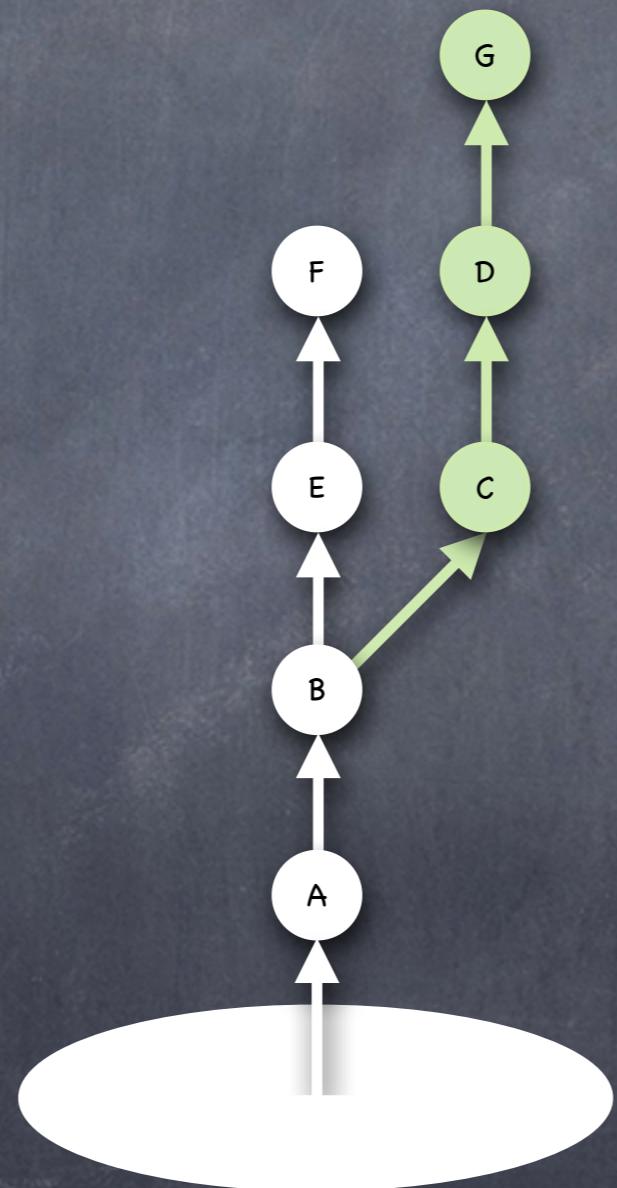




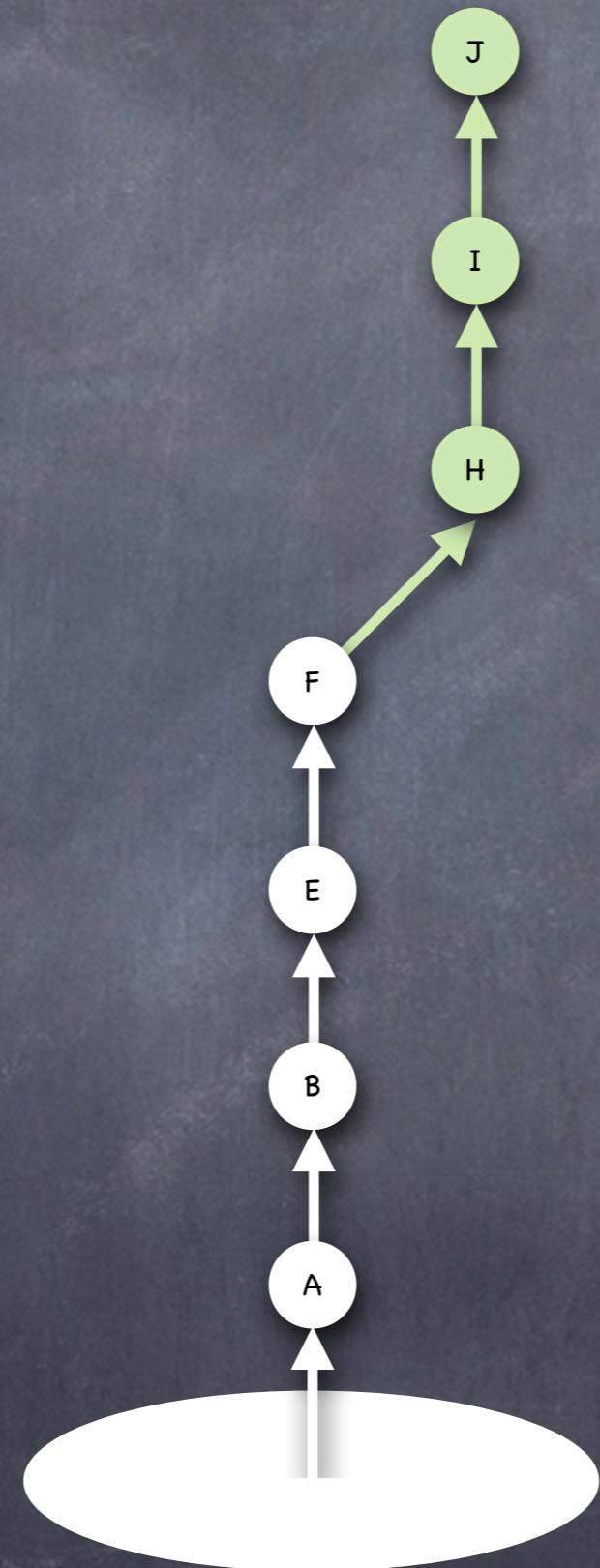
- ⌚ Commits for a feature are spread out in the log.
- ⌚ Pesky merge commits everywhere.
- ⌚ Big merges to main branch are conflict prone.
- ⌚ Do many merges to feature branch to resolve conflicts there instead and you get even more pesky merge commits.

rebase

sprint-1 feature-1



sprint-1 feature-1

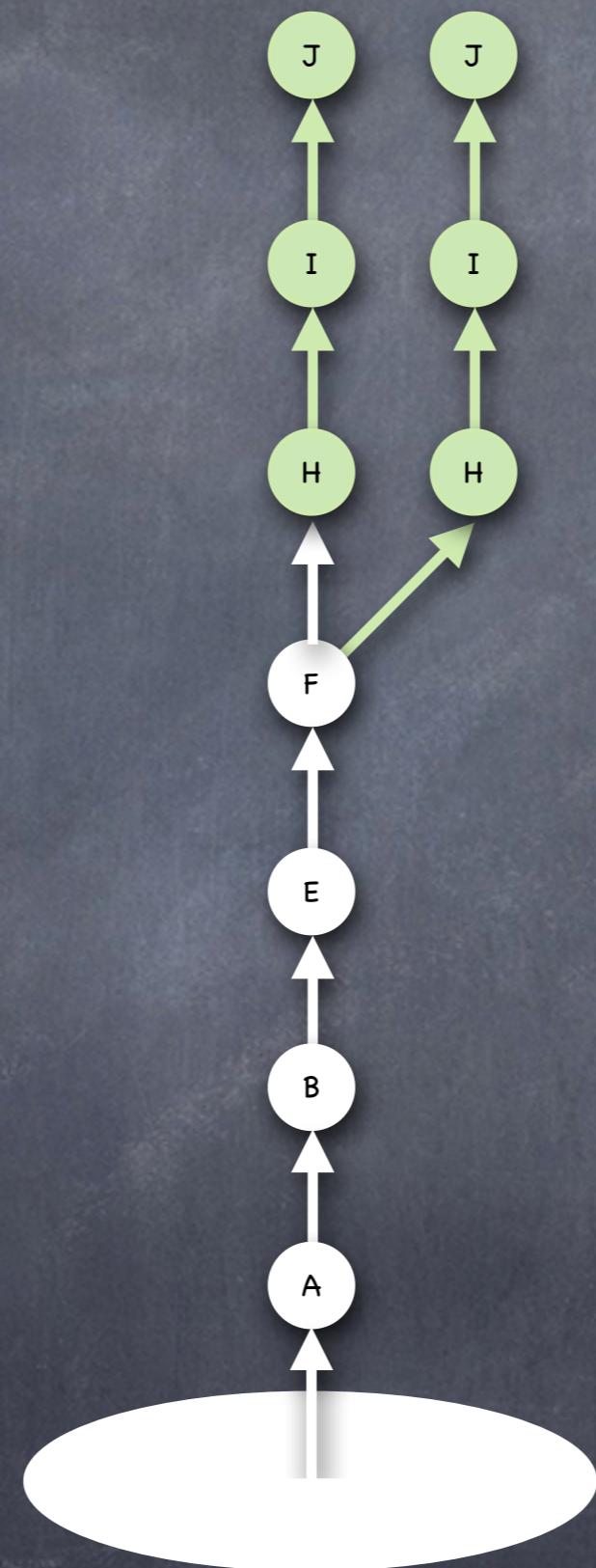


sprint-1

feature-1



sprint-1 feature-1



- ⦿ Commits for a feature are shown together in the log.
- ⦿ Any merge conflicts are resolved in the feature branch where only you work.
- ⦿ No messy merge commits.

~/.gitconfig

```
# Push only current branch, not all, to the remote  
# branch with the same name.
```

```
$ git config --global push.default tracking
```

```
# Setup rebase for every tracking branch
```

```
$ git config --global branch.autosetuprebase always
```

```
# On OS X ctime can give Git the impression that  
# files have changed when they have not.
```

```
$ git config --global core.trustctime false
```

```
# Git stuff
alias g='git'
alias ga='git add -u .'
alias gaa='git add --all .'
alias gci='git commit -a -m'
alias gcm='git commit -m'
alias gcam='git commit --amend -m'
alias gst='git status -sb'
alias gcp='git cherry-pick'
alias gbr='git branch'
alias gfo='git fetch origin'
alias gp='git push'
alias gpo='git push -u origin'
alias gl='git pull'
alias glnr='git pull --no-rebase'
alias grm='git rebase origin/master'
alias gde='git diff --patch-with-stat | bbedit --clean --view-top --pipe-title Diff.patch'
alias gdes='git diff --staged --patch-with-stat | bbedit --clean --view-top --pipe-title Diff.patch'
alias glo='git log | bbedit --clean --view-top --pipe-title Log.txt'

alias g='git'
alias gst='git status -sb'
alias gci='git commit -a -m'
```

```
# Git Sprint Rebase
alias grs1='git rebase origin/sprint-1'
alias grs2='git rebase origin/sprint-2'
alias grs3='git rebase origin/sprint-3'
alias grs4='git rebase origin/sprint-4'
alias grs5='git rebase origin/sprint-5'
alias grs6='git rebase origin/sprint-6'
alias grs7='git rebase origin/sprint-7'
alias grs8='git rebase origin/sprint-8'
alias grs9='git rebase origin/sprint-9'
alias grs10='git rebase origin/sprint-10'
alias grs11='git rebase origin/sprint-11'
alias grs12='git rebase origin/sprint-12'
alias grs13='git rebase origin/sprint-13'
alias grs14='git rebase origin/sprint-14'
alias grs15='git rebase origin/sprint-15'
alias grs16='git rebase origin/sprint-16'
alias grs17='git rebase origin/sprint-17'
alias grs18='git rebase origin/sprint-18'
alias grs19='git rebase origin/sprint-19'
alias grs20='git rebase origin/sprint-20'
```

More

- ⦿ git-scm.com/book
- ⦿ gitref.org
- ⦿ gitready.com
- ⦿ think-like-a-git.net
- ⦿ <http://randyfay.com/topics/git>
- ⦿ mislav.uniqpath.com/2010/07/git-tips/
- ⦿ [http://blip.tv/open-source-developers-conference/
git-for-ages-4-and-up-4460524](http://blip.tv/open-source-developers-conference/git-for-ages-4-and-up-4460524)

Questions

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The end