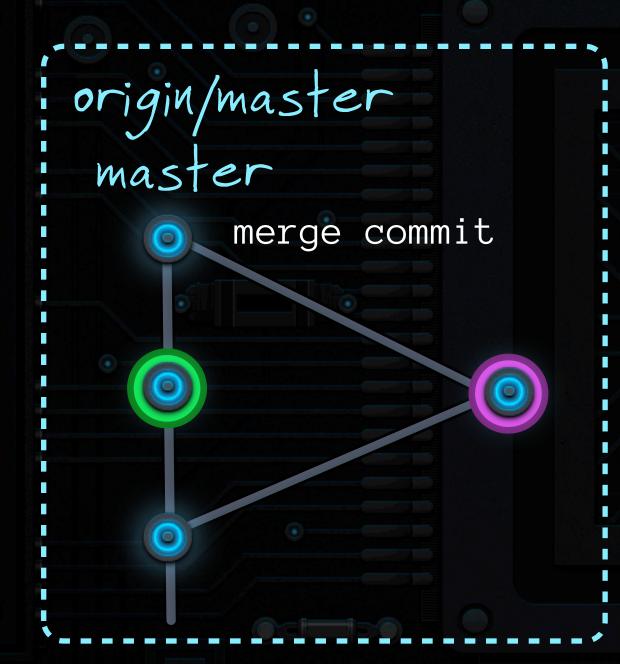


REBASE BELONG TOUS LEVEL 6

MERGE COMMITS ARE BAD



- Merge branch 'cats'
- Add Cats.
- Merge branch 'master' of http...
- Update the Readme.
- Add product and store models.

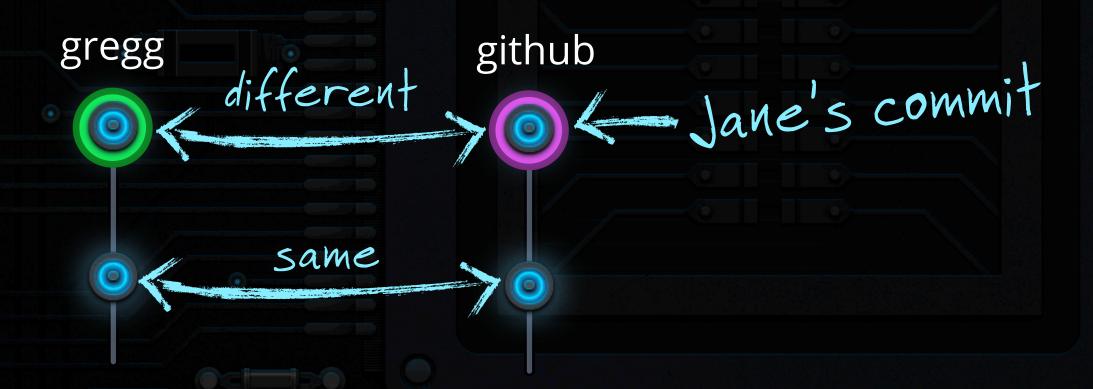
Merge commits feel useless



DIFFERENT GIT COMMITS

gregg \$ git commit -am "Update the readme."
[master c715339] Update the readme.
1 file changed, 1 insertion(+), 1 deletion(-)







GIT PUSH REJECTED

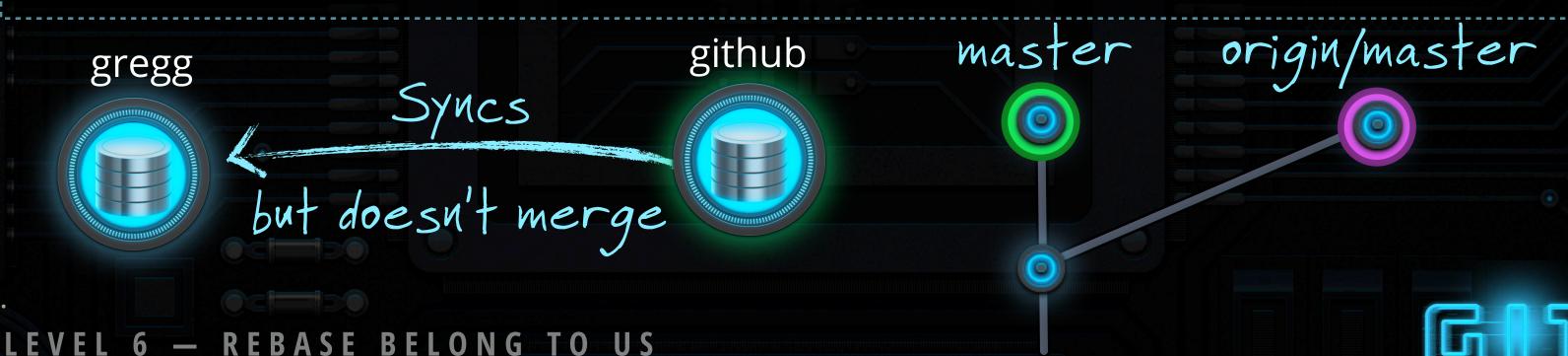
```
Cannot write over Jane's commit
 gregg $ git push
 To https://github.com/codeschool/git-real.git
  ! [rejected] master -> master (non-fast-forward)
 error: failed to push some refs to 'https://github.com/codeschool/git-real.git'
 hint: Updates were rejected because the tip of your current branch is behind
 hint: its remote counterpart. Merge the remote changes (e.g. 'git pull')
 hint: before pushing again.
 hint: See the 'Note about fast-forwards' in 'git push --help' for details.
$ git pull
$ git push
```



FETCH

```
gregg $ git fetch

remote: Counting objects: 5, done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 4 (delta 0), reused 4 (delta 0)
Unpacking objects: 100% (4/4), done.
From https://github.com/codeschool/git-real
f35f2f1..71a4650 master -> origin/master
```



gregg \$ git rebase

1. Move all changes to master which are not in origin/master to a temporary area.





```
gregg $ git rebase
```

- 1. Move all changes to master which are not in origin/master to a temporary area.
- 2. Run all origin/master commits.

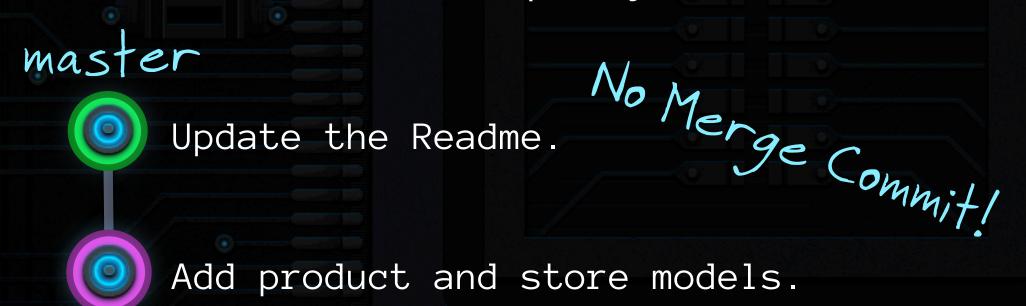


3. Run all commits in the temporary area, one at a time.



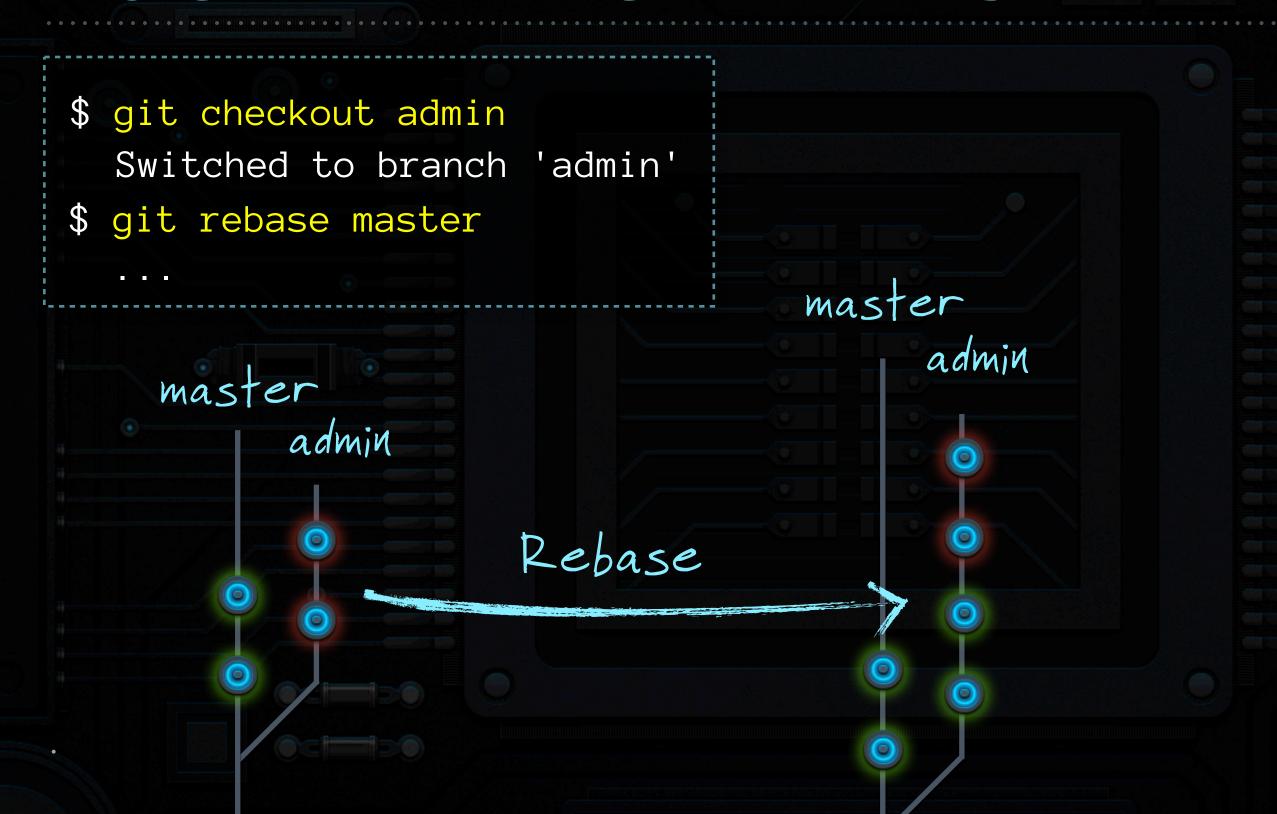
gregg \$ git rebase

- 1. Move all changes to master which are not in origin/master to a temporary area.
- 2. Run all origin/master commits.
- 3. Run all commits in the temporary area, one at a time.



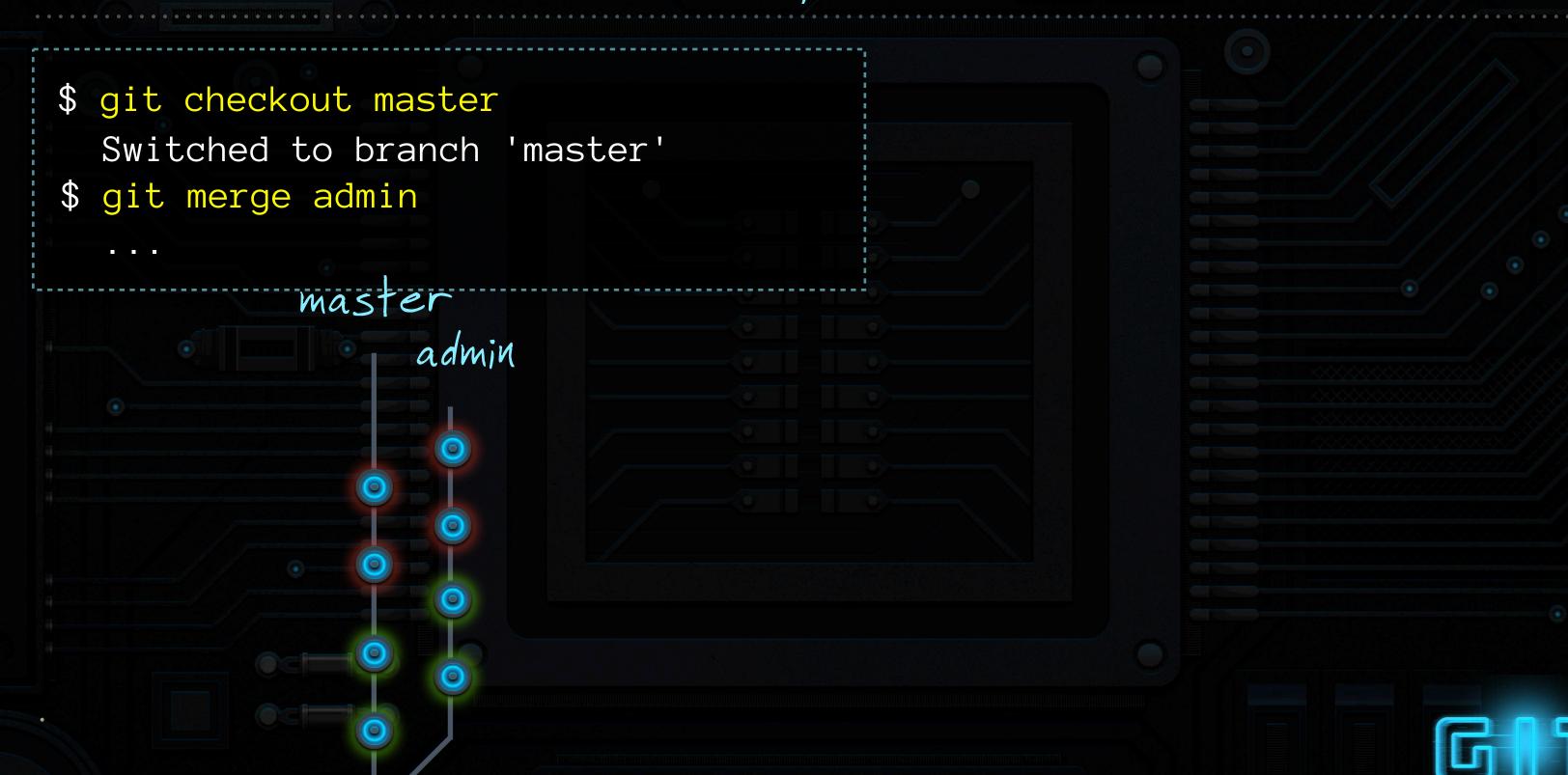


LOCAL BRANCH REBASE

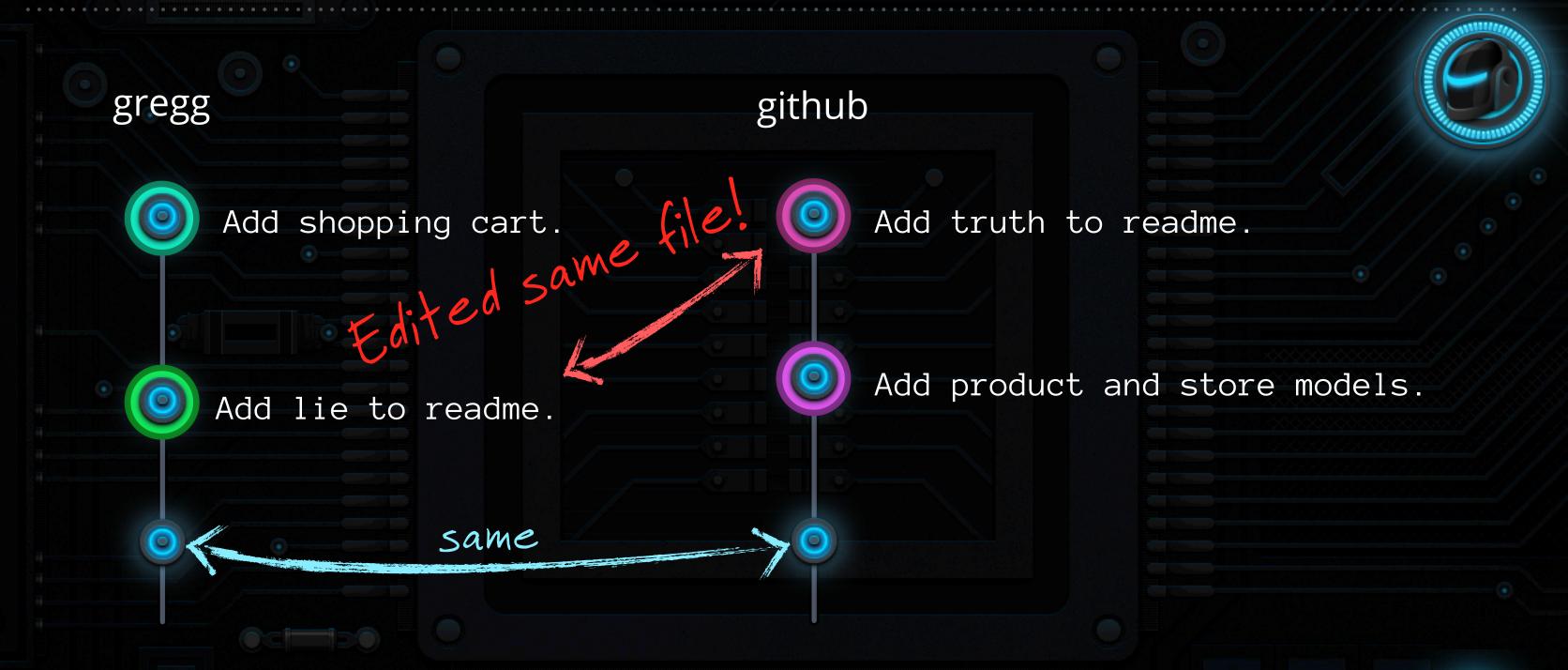




IF ALL GOES WELL, MERGE MASTER



WHAT ABOUT CONFLICTS





FETCH

gregg \$ git fetch

master

Add shopping cart.

origin/master



Add truth to readme.

Add lie to readme.



Add product and store models.



Gilt

gregg \$ git rebase

master

1. Move all changes to master which are not in origin/master to a temporary area





gregg \$ git rebase

2. Run all origin/master commits.



3. Run all commits in the temporary area, one at a time.



REBASE CONFLICT

gregg \$ git rebase

First, rewinding head to replay your work on top of it... Applying: Add lie to readme.

Using index info to reconstruct a base tree...

M README.txt

<stdin>:13: trailing whitespace.

the cake is a lie, and I am your father!

warning: 1 line adds whitespace errors.

Falling back to patching base and 3-way merge...

Auto-merging README.txt

CONFLICT (content): Merge conflict in README.txt

Failed to merge in the changes.

Patch failed at 0001 Add lie to readme.

master

When you have resolved this problem run "git rebase --continue".

If you would prefer to skip this patch, instead run "git rebase --skip".

To check out the original branch and stop rebasing run "git rebase --abort"

REBASE CONFLICT

```
gregg $ git status
                                                                 master
# Not currently on any branch.
  Unmerged paths:
    (use "git reset HEAD <file>..." to unstage)
    (use "git add/rm <file>..." as appropriate to mark resolution)
#
   both modified: README.txt
##
                                                                     0
no changes added to commit (use "git add" and/or "git commit -a")
Edit the README.txt
gregg $ git add README.txt
gregg $ git rebase --continue
  Applying: Add lie to readme.
  Applying: Add shopping cart
gregg $
```

REBASED LOG

master

- Add shopping cart.
- Add lie to readme.
- Add truth to readme.
- Add product and store models.



REBASE BELONG TOUS LEVEL 6

