

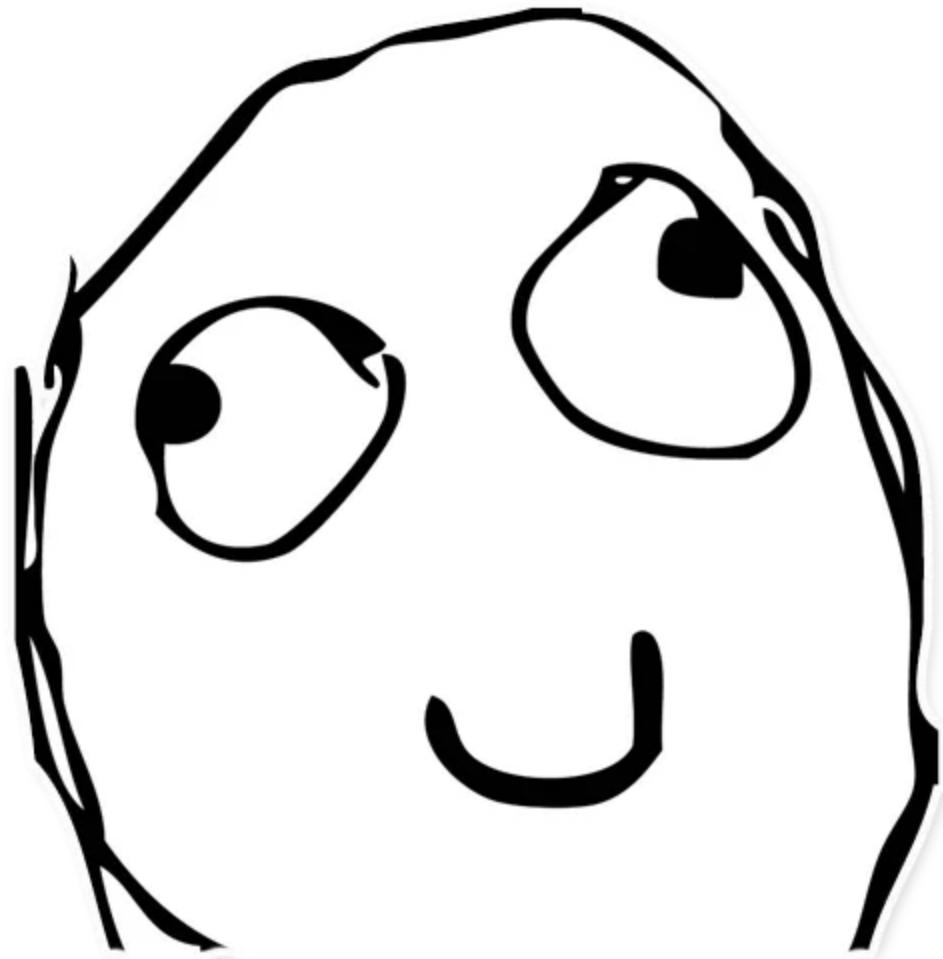
Software Engineering Conference Russia
October 2017, St. Petersburg

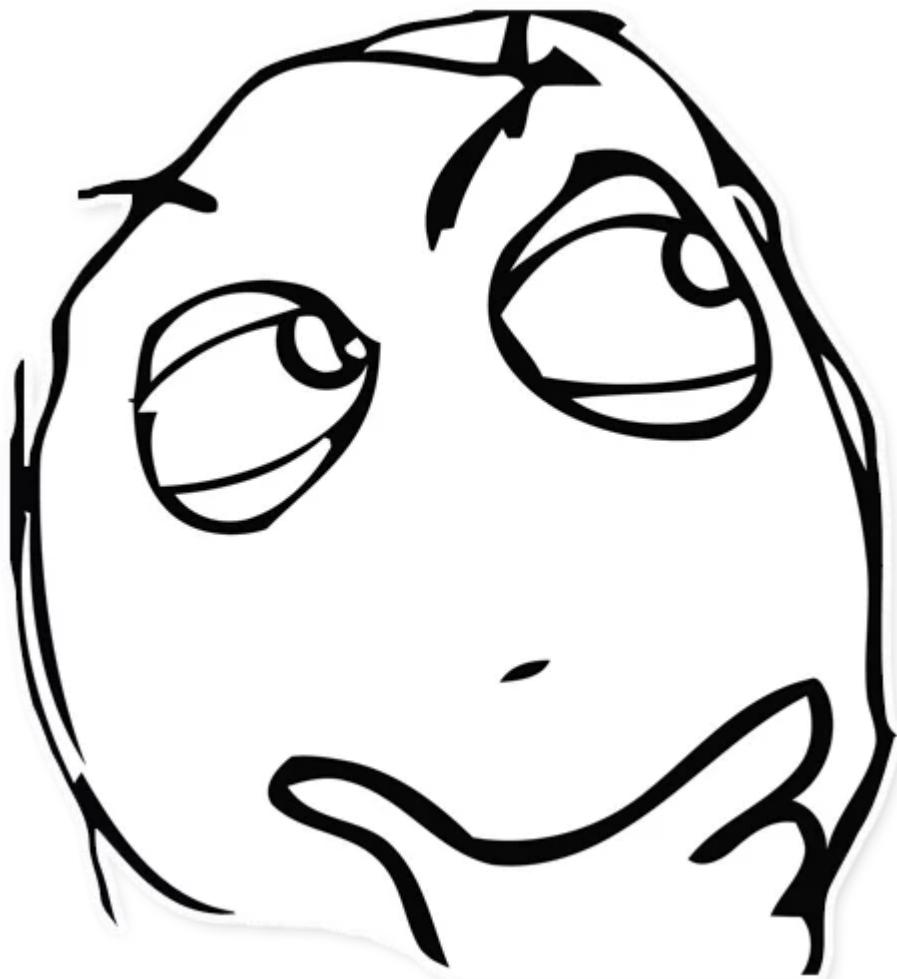


Reverting a merge

Mikhail Matrosov

Technical Manager at Align Technology





Start - Start Avenue 170 in 01 Heerhugowaard - Afsluiten voor deel 01 en 02

Verwijderde items kunnen niet worden hersteld.
Deze items zijn alleen beschikbaar voor deelnemers van
hetzelfde team. Deel 01 en 02 zijn nu gesloten.

Reacties

- [Nieuw bericht](#) [Nieuwe reactie](#)
- [Nieuw bericht](#) [Nieuwe reactie](#)

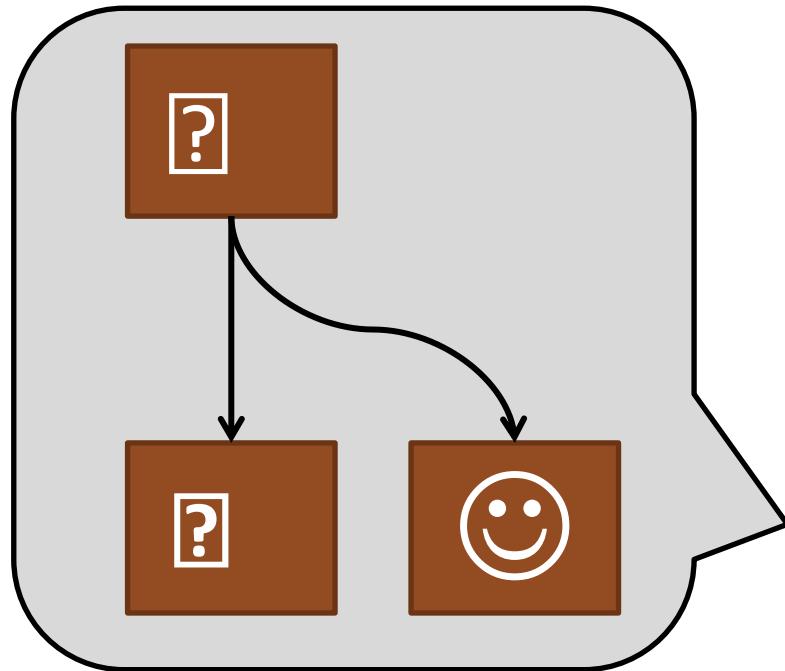
Volgelingen

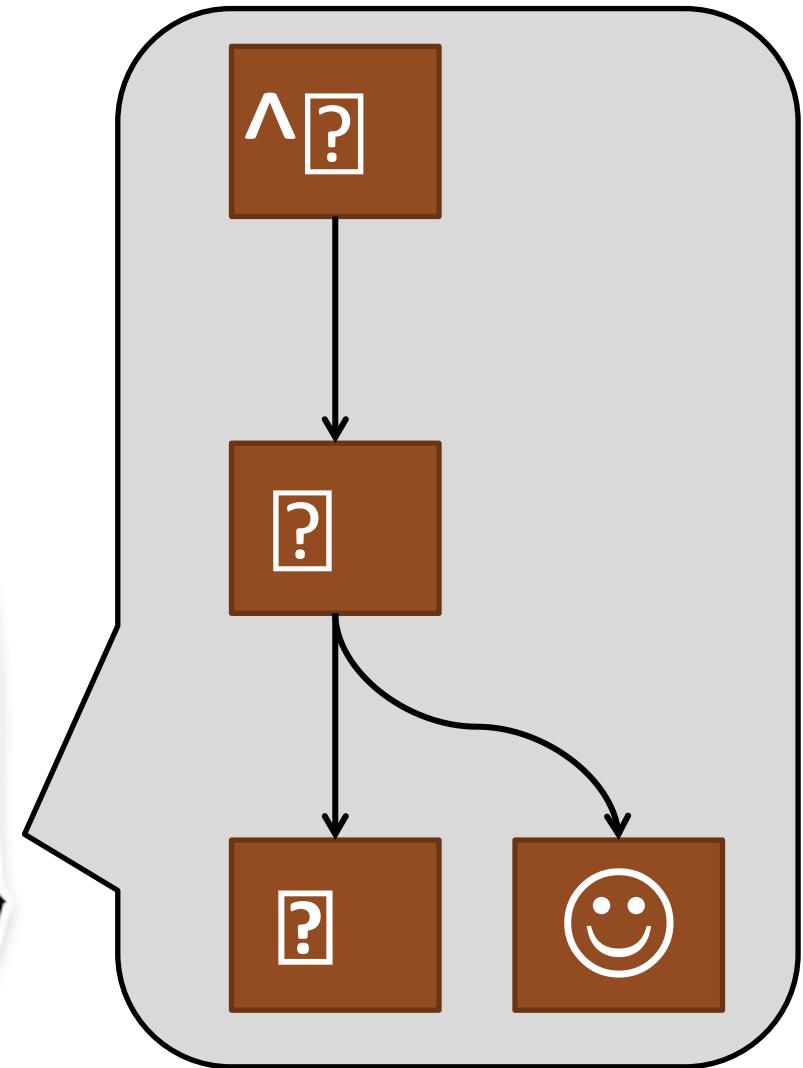
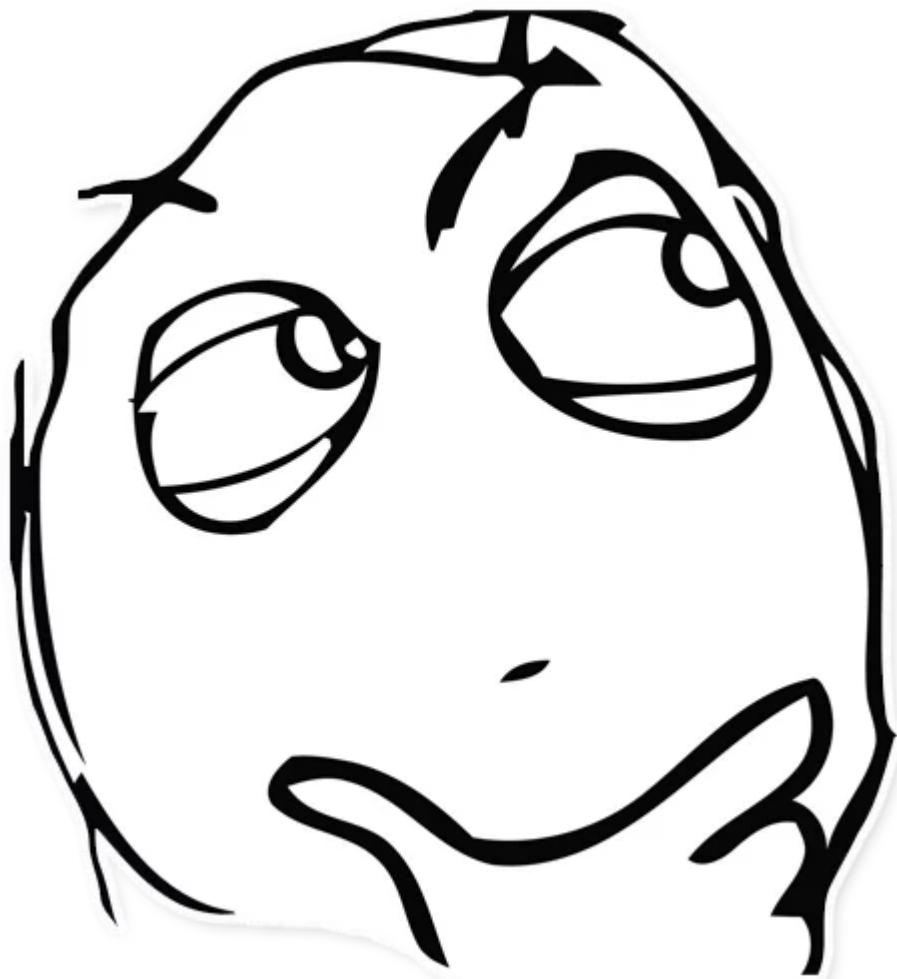
| Naam | Gebruiker | Tijd |
|--------------------|--------------------|------------|
| Yannick van Goolen | Yannick van Goolen | 10 minuten |
| Wim van Goolen | Wim van Goolen | 10 minuten |

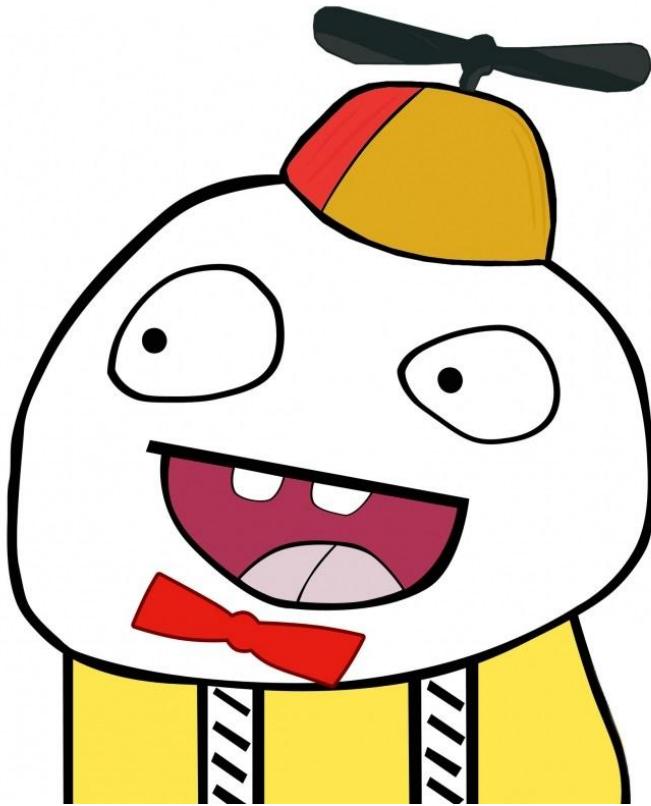
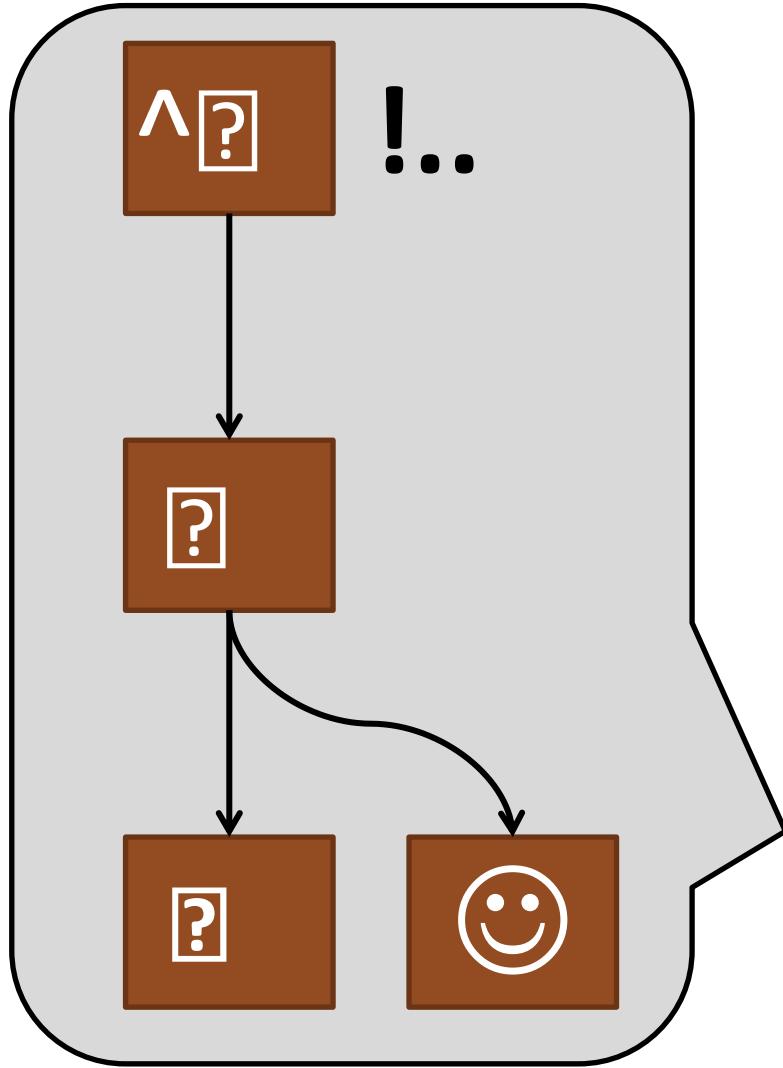
Gedownloaden

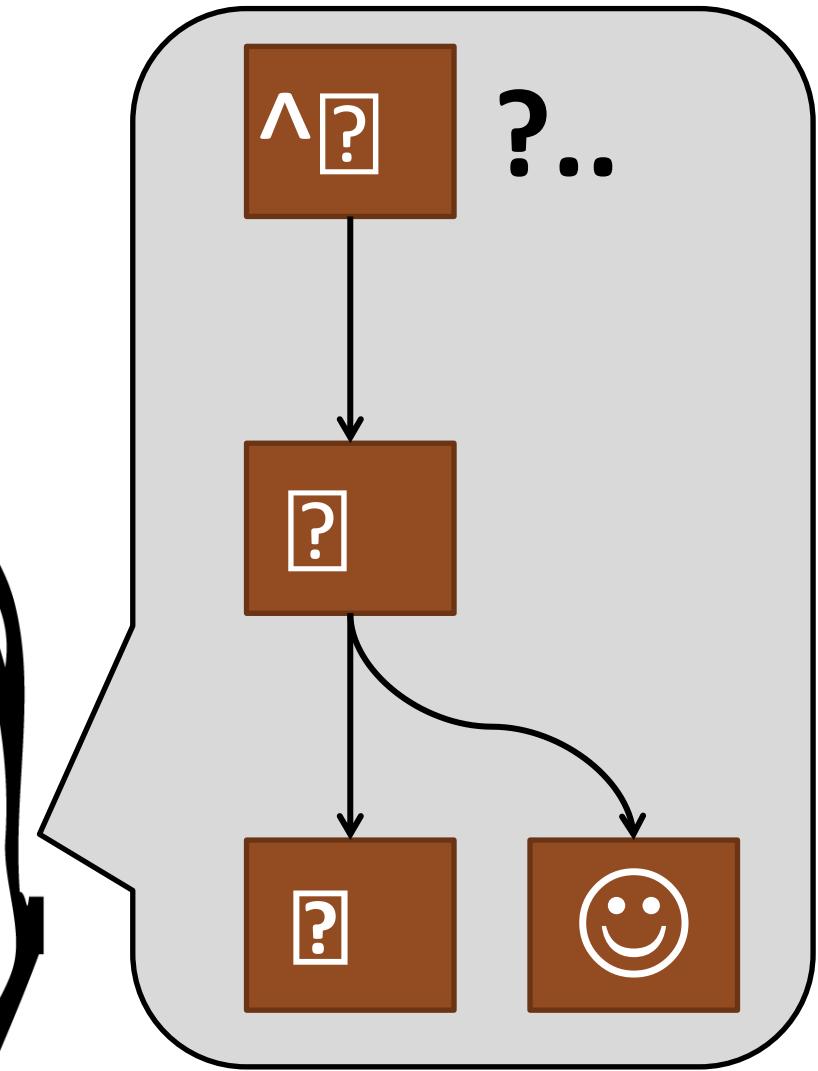
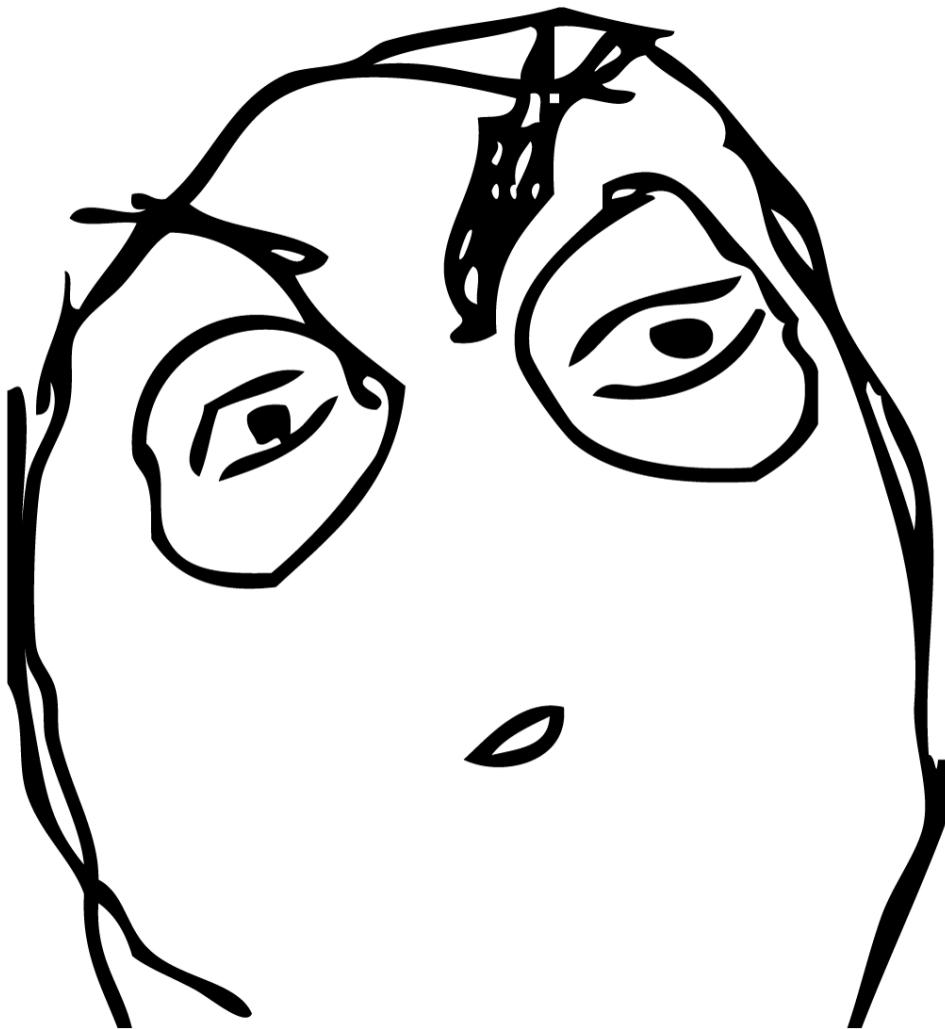
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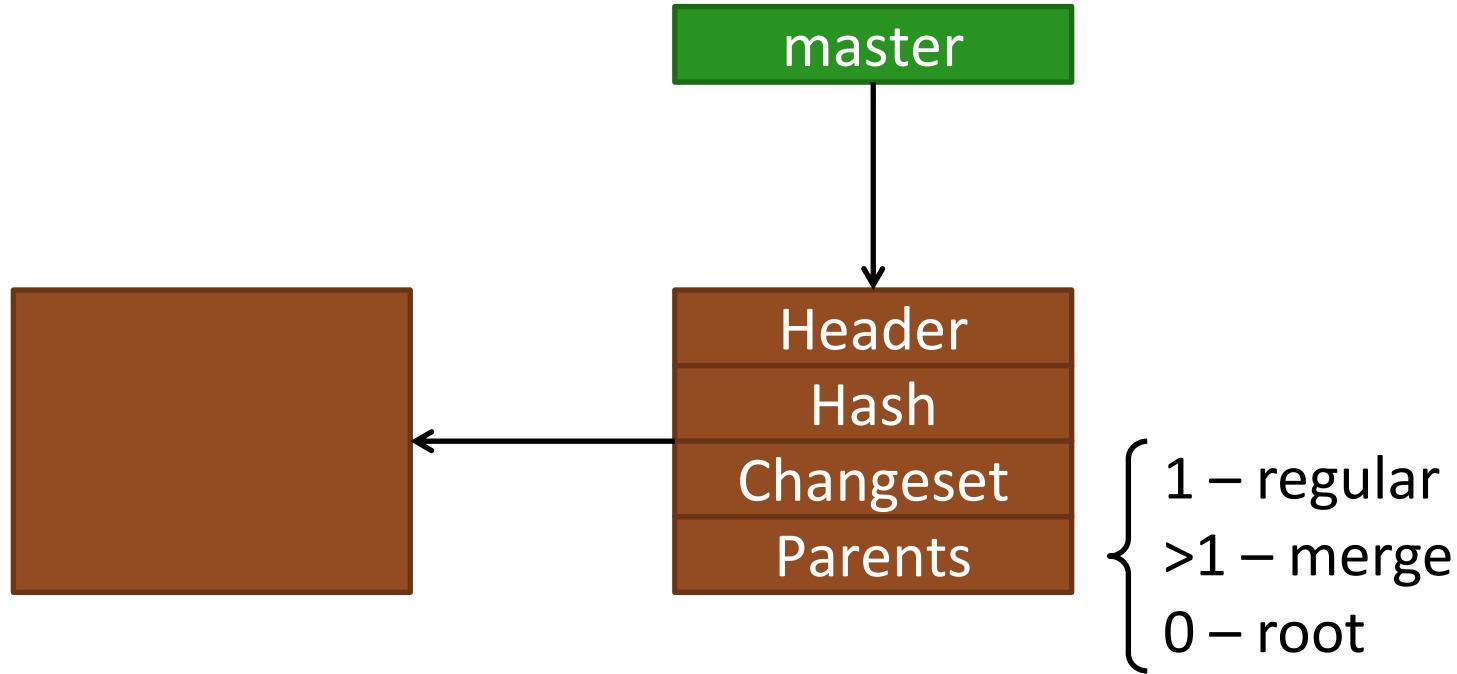
[View details > 30 items](#)

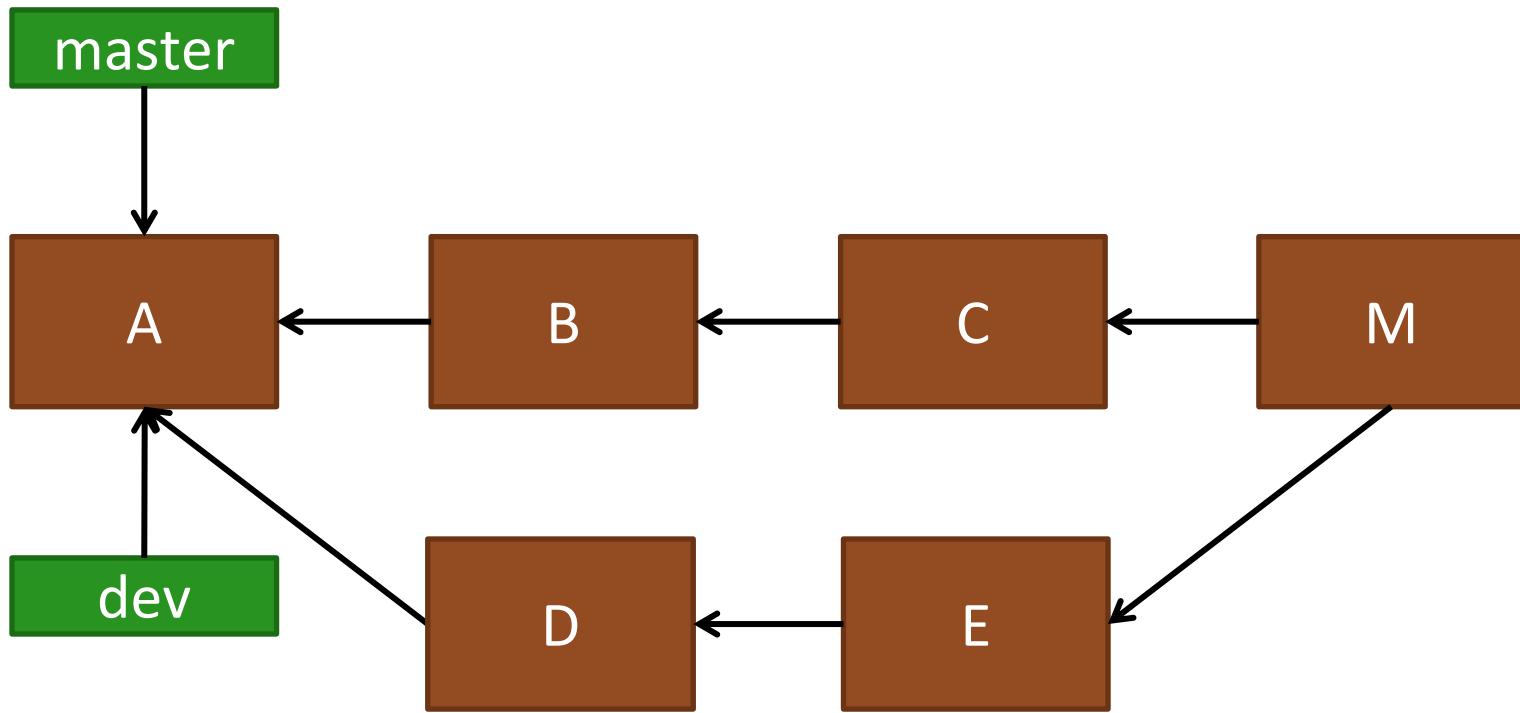




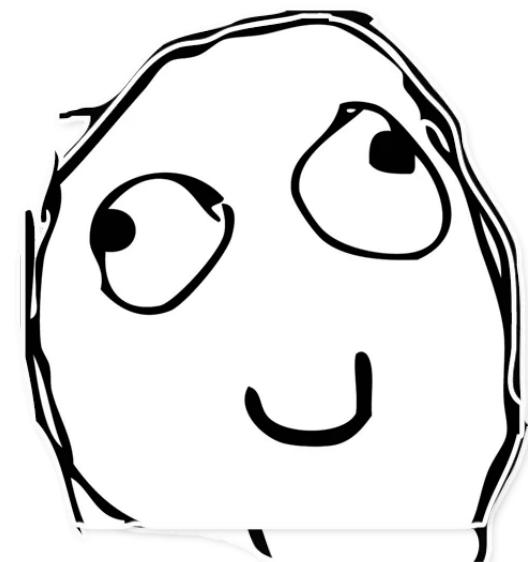
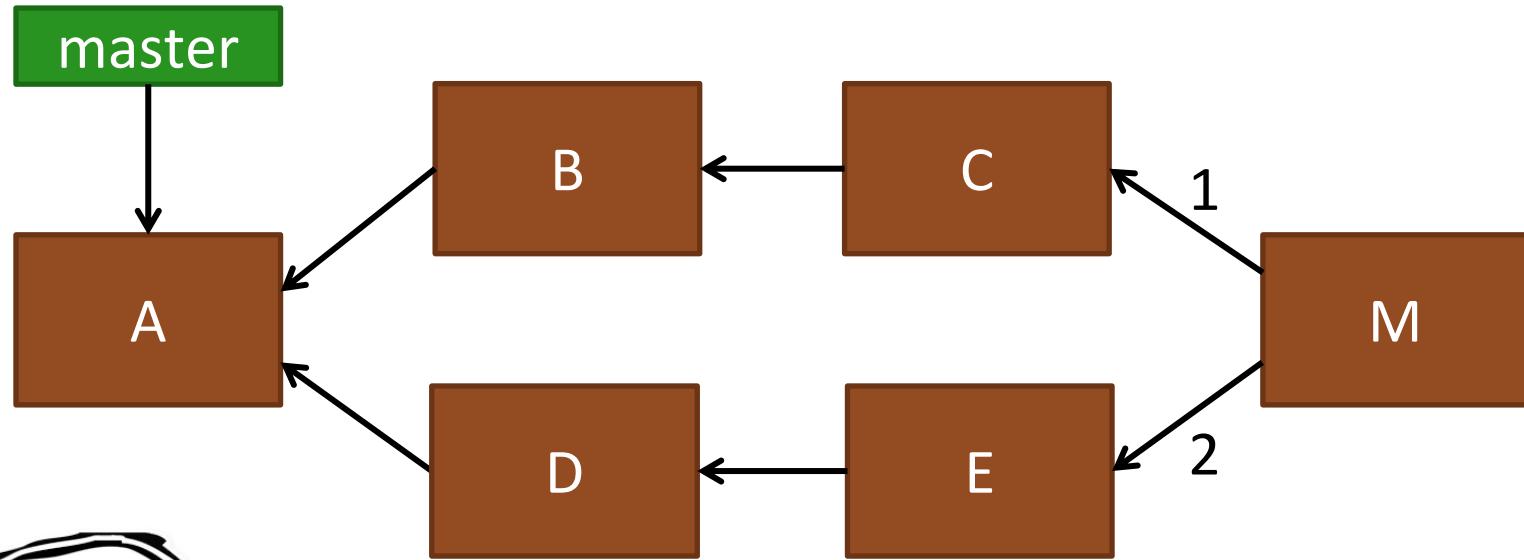


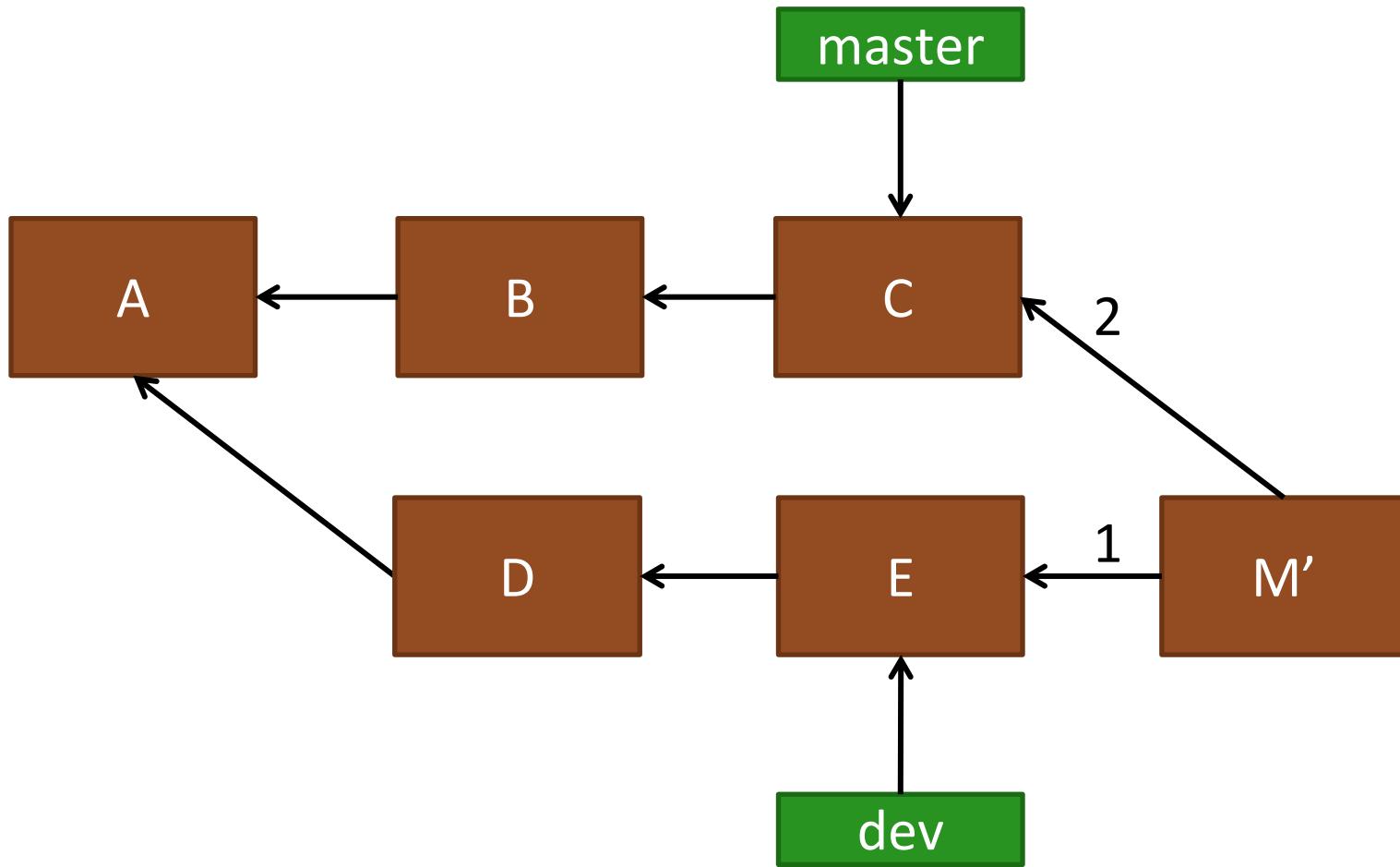


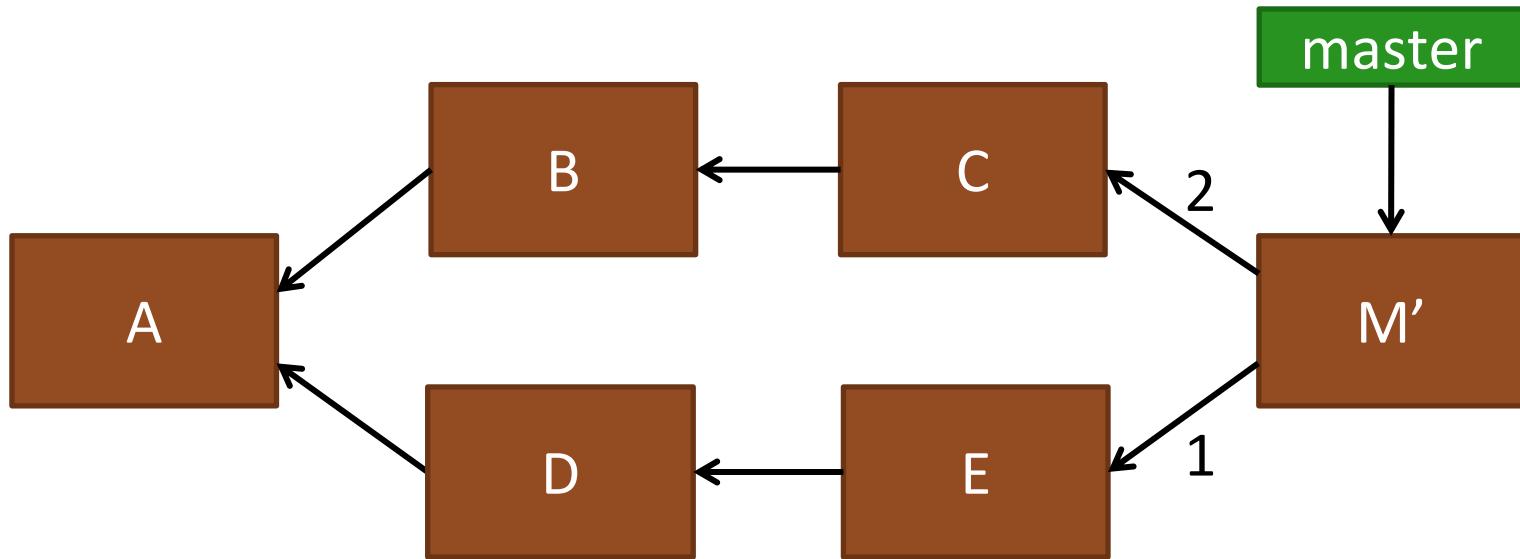
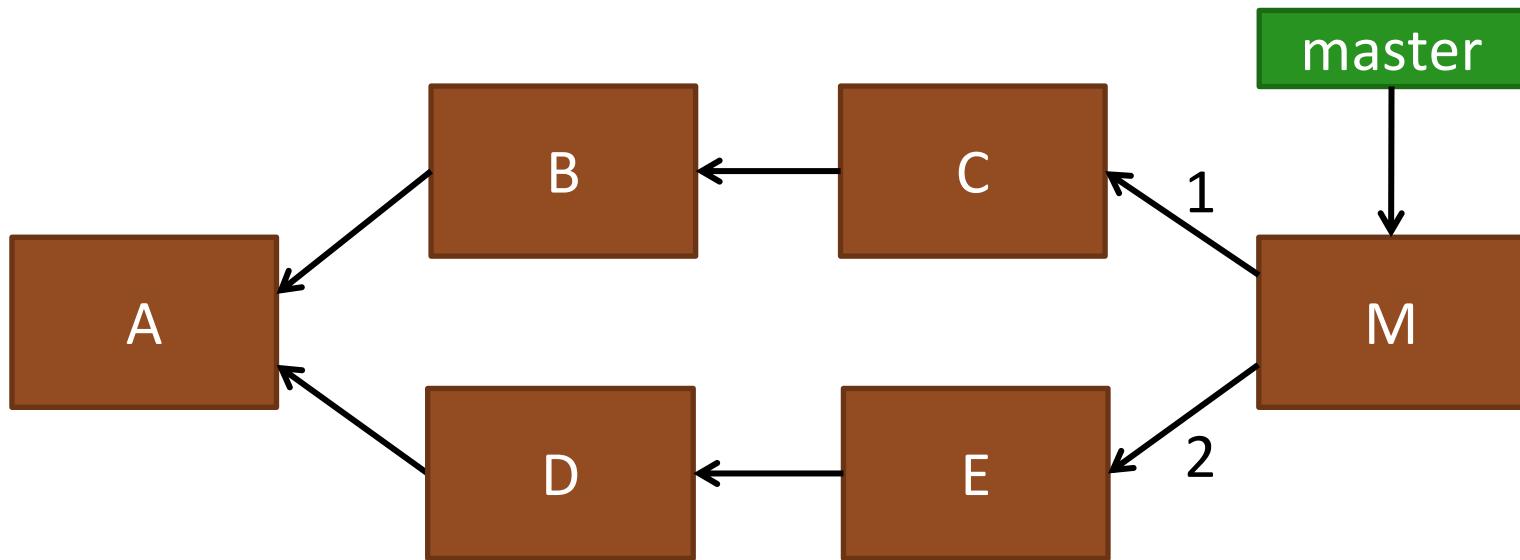




1 = merged to
2 = merged from





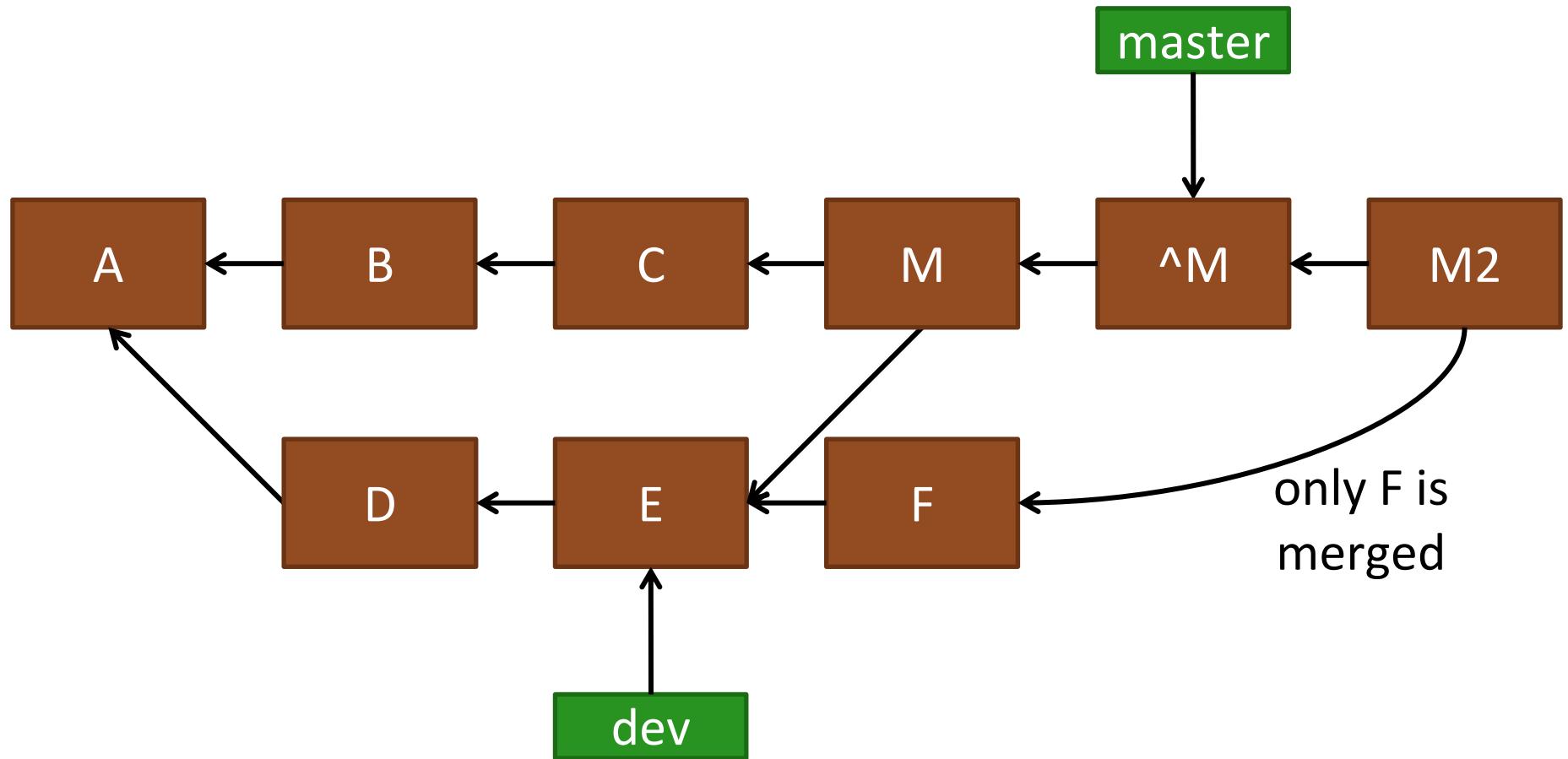




TO REVERT A MERGE

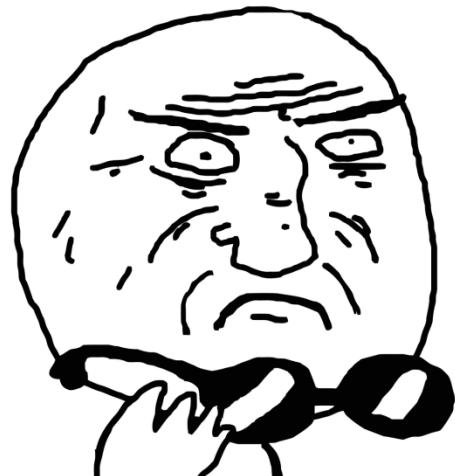
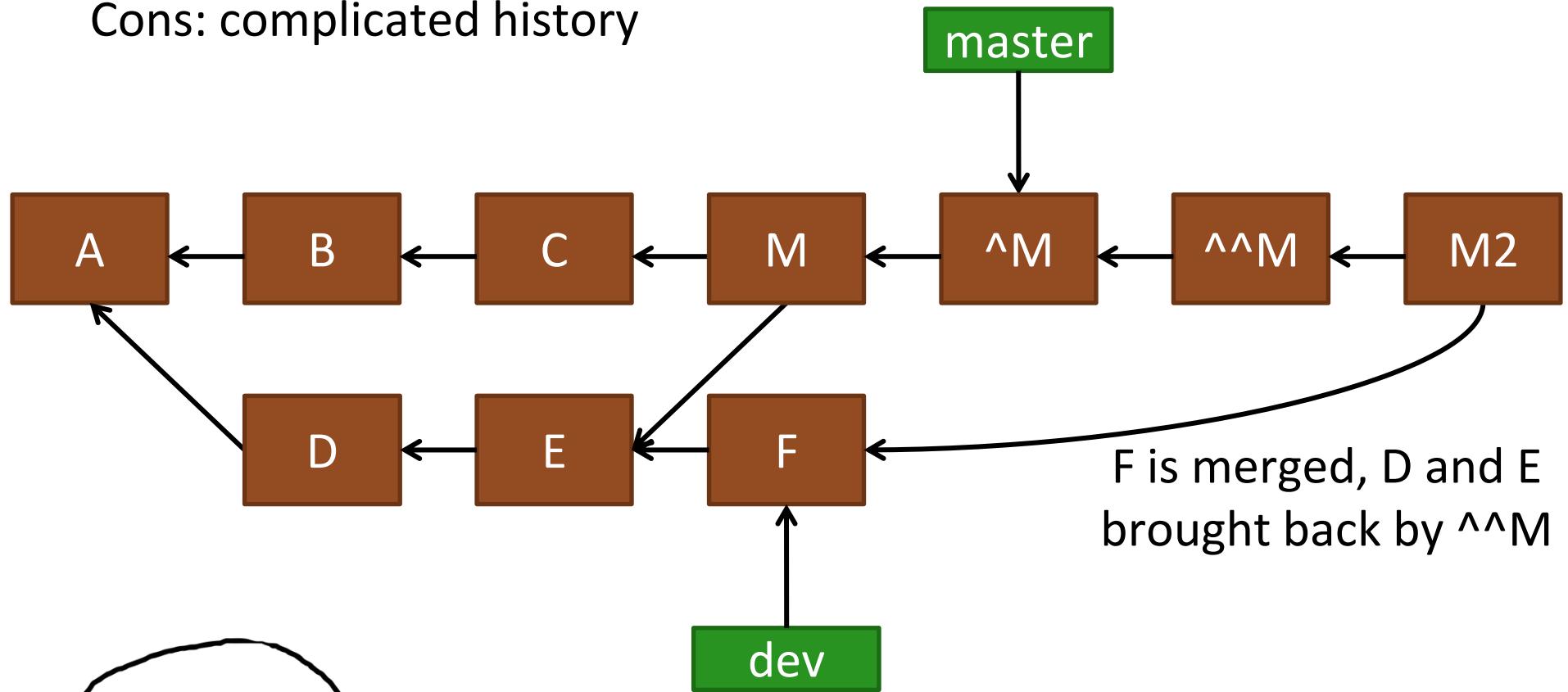


**CHOOSE YOUR PATH
WISELY YOU MUST**



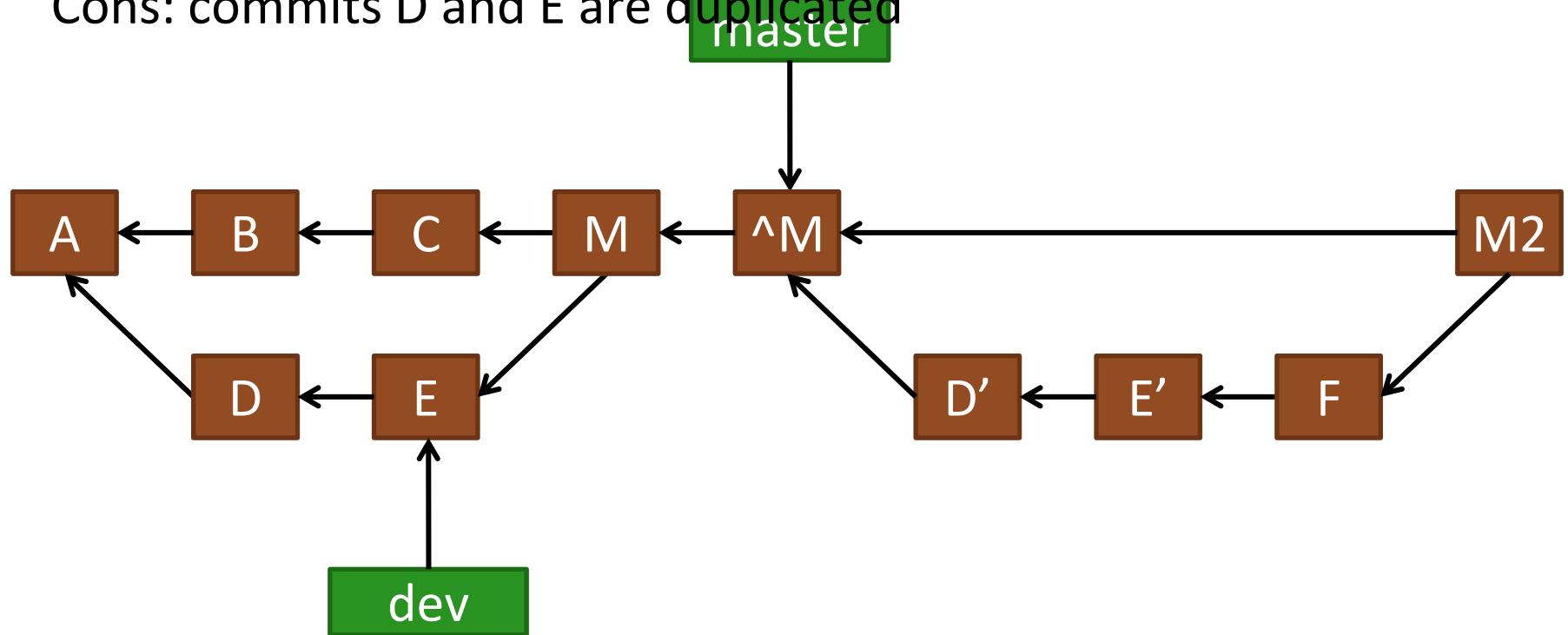
Pros: commits D and E are preserved

Cons: complicated history



Pros: new branch has regular workflow

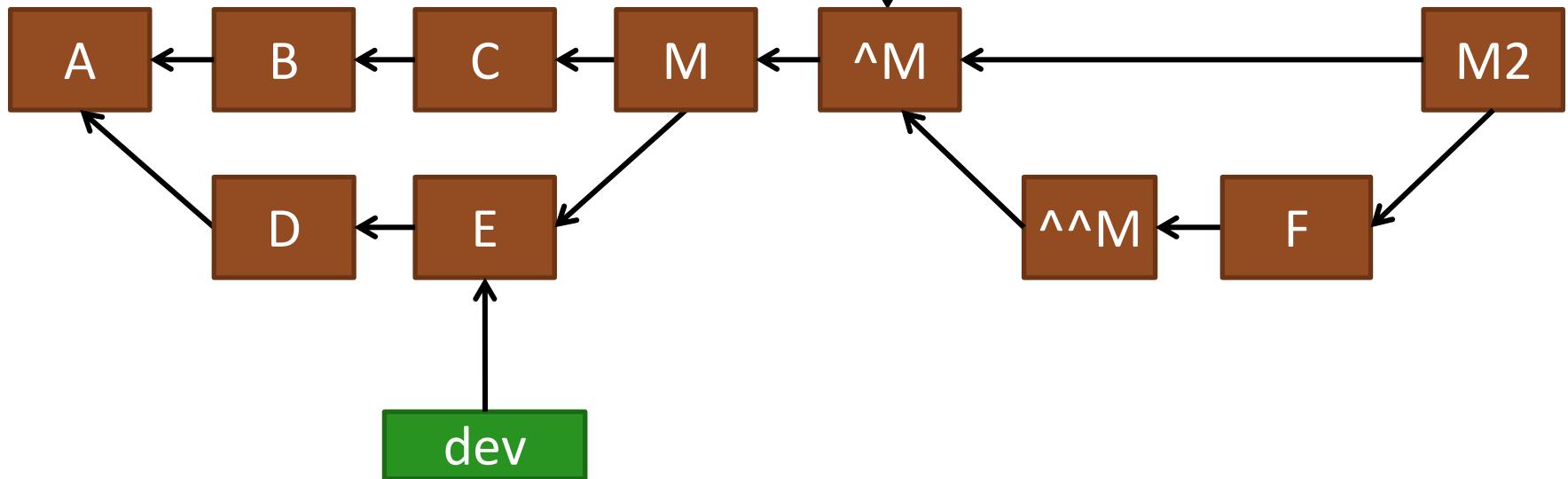
Cons: commits D and E are duplicated



Pros: preserves conflicts resolution happened in M

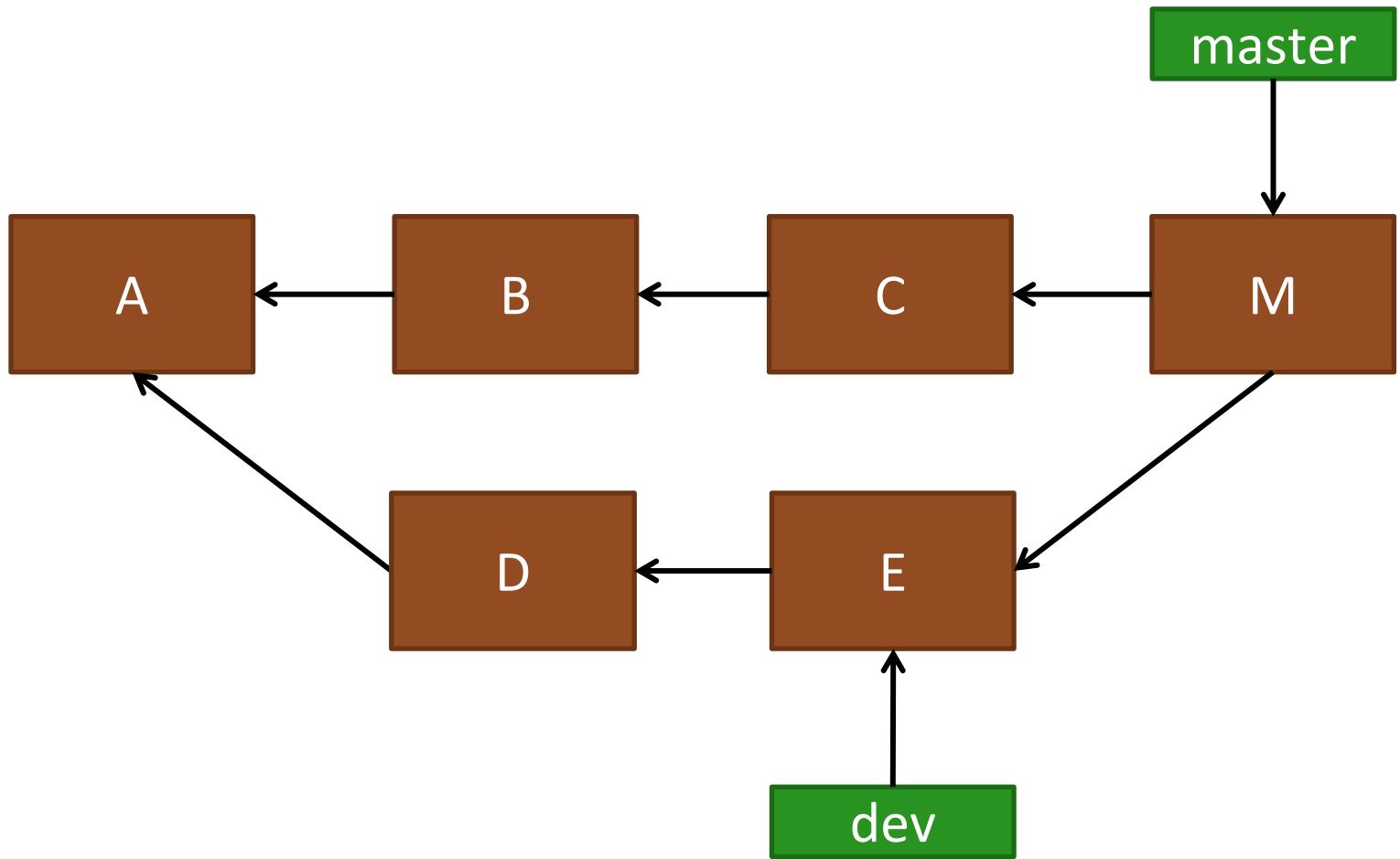
Cons: commits D and E are not visible in new branch

master



**TO MERGE AGAIN
ONCE READY**

**YOU MUST
UNLEARN WHAT
YOU HAVE LEARNT**



Resetting the merge

- When you immediately realize the problem
- `--force-with-lease`

TO RESET A MERGE

USE FORCE...

TO RESET A MERGE

**USE FORCE...
WITH LEASE**

References

- Basic info: <https://git-scm.com/blog/2010/03/02/undoing-merges.html>
- More details:
<https://opensource.apple.com/source/Git/Git-26/src/git-hypertextdocs/howto/revert-a-faulty-merge.txt>
- On order of commits:
<http://devblog.nestoria.com/post/98892582763/maintaining-a-consistent-linear-history-for-git>