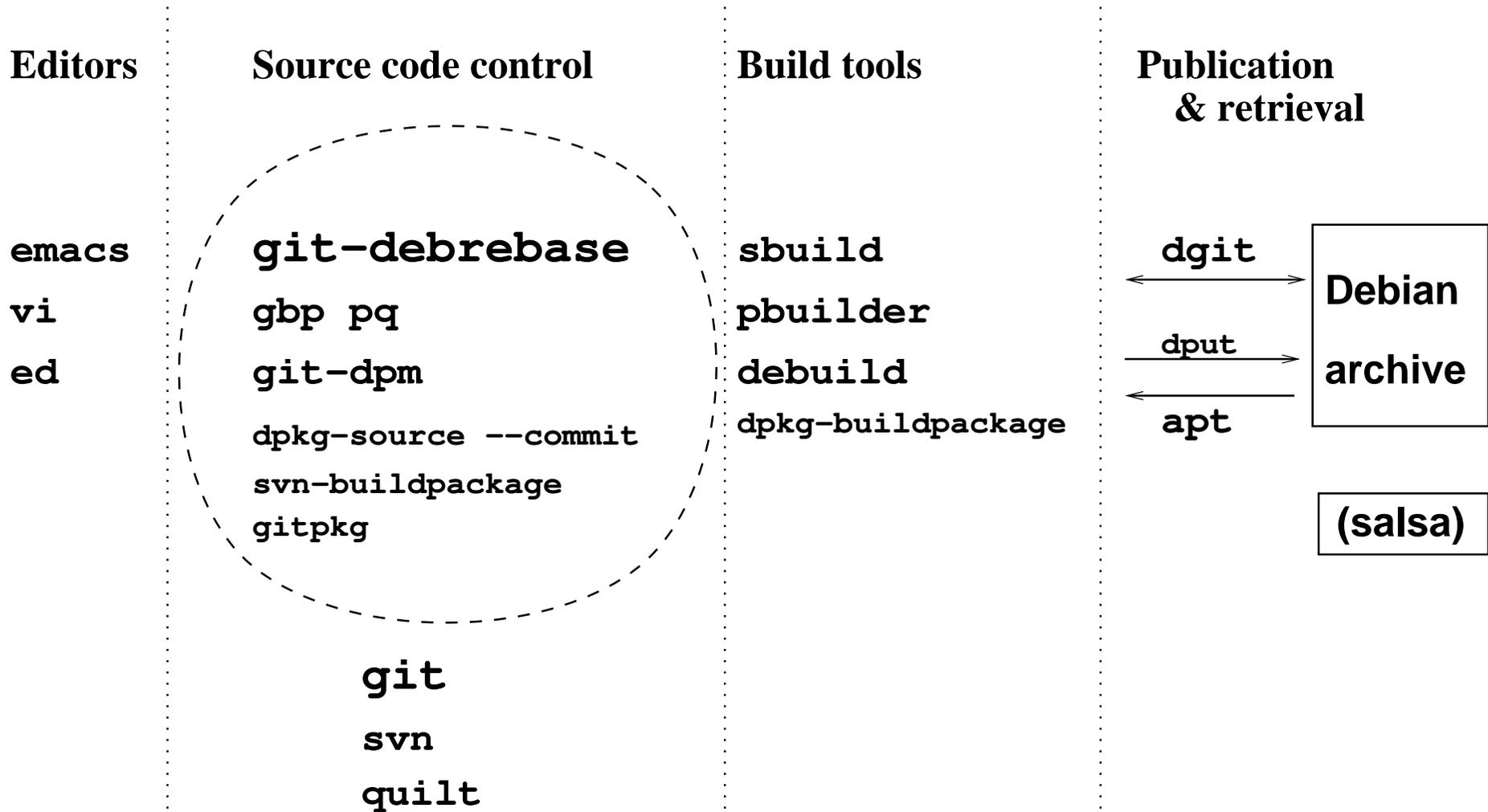


git-debrebase – context



Ian Jackson & Sean Whitton
Debconf 2018 Hsinchu

git-debbase – features (1/3)

Standard git-rebase workflow

Delta queue editing is immediate and easy

... unlike any other tool

May always git-cherry-pick from upstream

May always git-commit -m fixup!

May make "mixed" commits

... unlike any other delta queue workflow

No in-tree metadata

... unlike git-dpm

git-debbase – features (2/3)

No need to switch branches

Tree is always `dpkg-buildpackage`'able

... unlike `gpb pq` and `git-dpm`

Working tree is never dirtied

– by patch application **... unlike `gpb pq`**

– by metadata conflicts

– by patch export **... unlike `gpb pq`**

No reading diffs of diffs **... unlike `gpb pq`**

git-debbase – features (3/3)

`git-blame` (and `git-log -- file`, `git-log -G`) work
Tree makes sense to upstreams & users

... like `dgit-maint-merge(7)` and `git-dpm`

No need to ever use `quilt(1)`

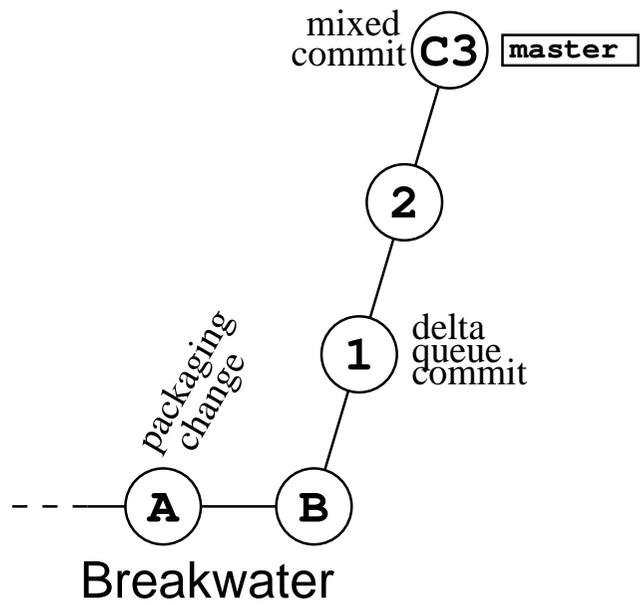
Can mostly ignore `3.0 (quilt) dsc`

`3.0 (quilt) dsc` output is always perfect

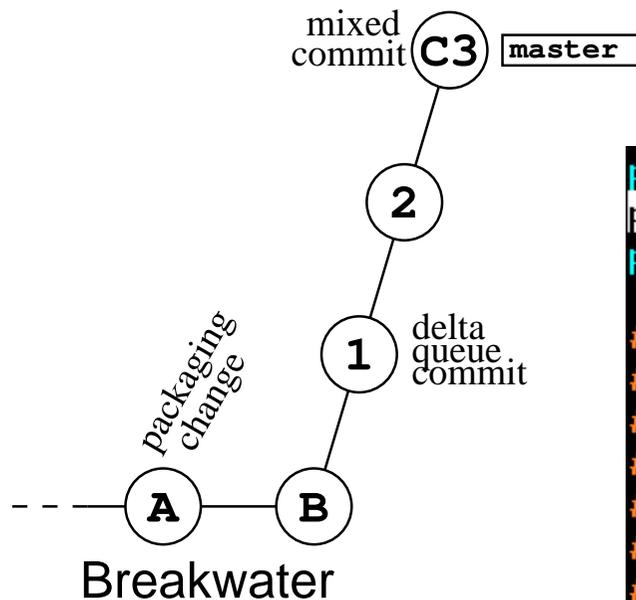
Directly compatible with `dgit`

No command needed to upload other than `dgit push-source`

git-debbase – commit history structure



git-debrebase – commit history structure

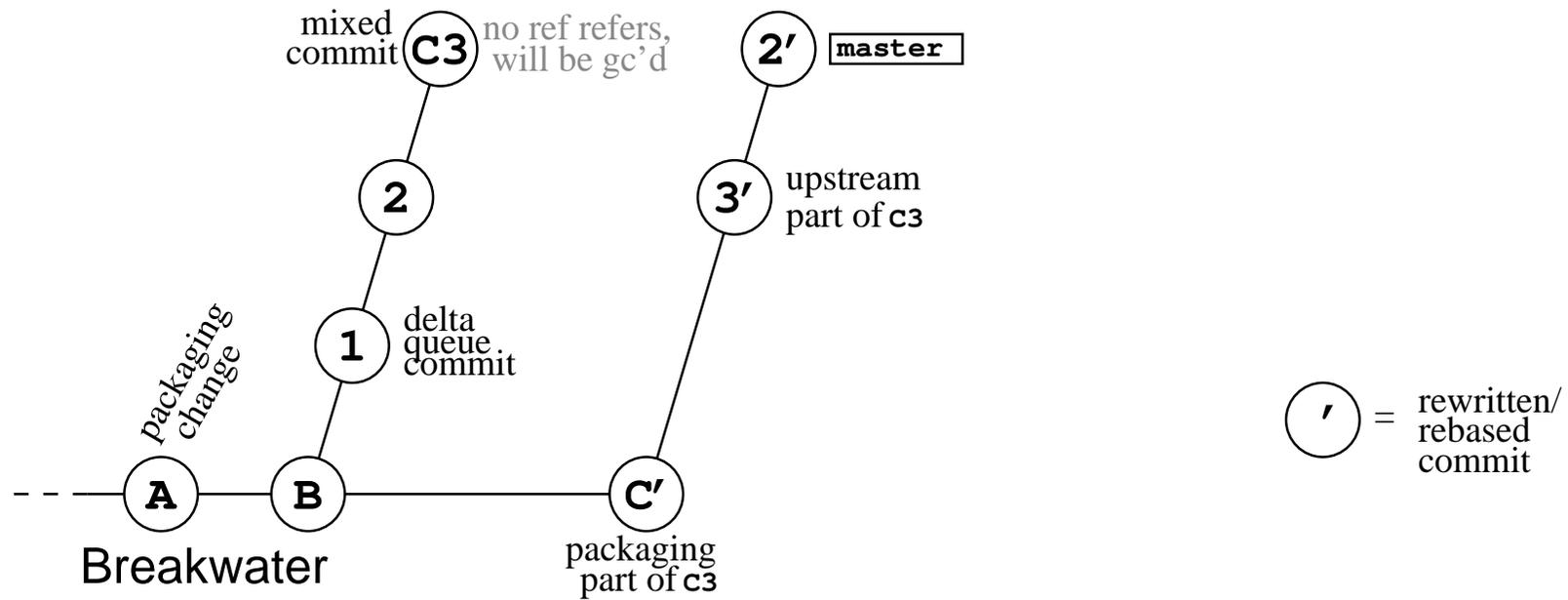


```
pick 4614657e Make Some Change 1
pick d426a1e9 Recently Added Change C3
pick fc88f762 Make Another Change 2

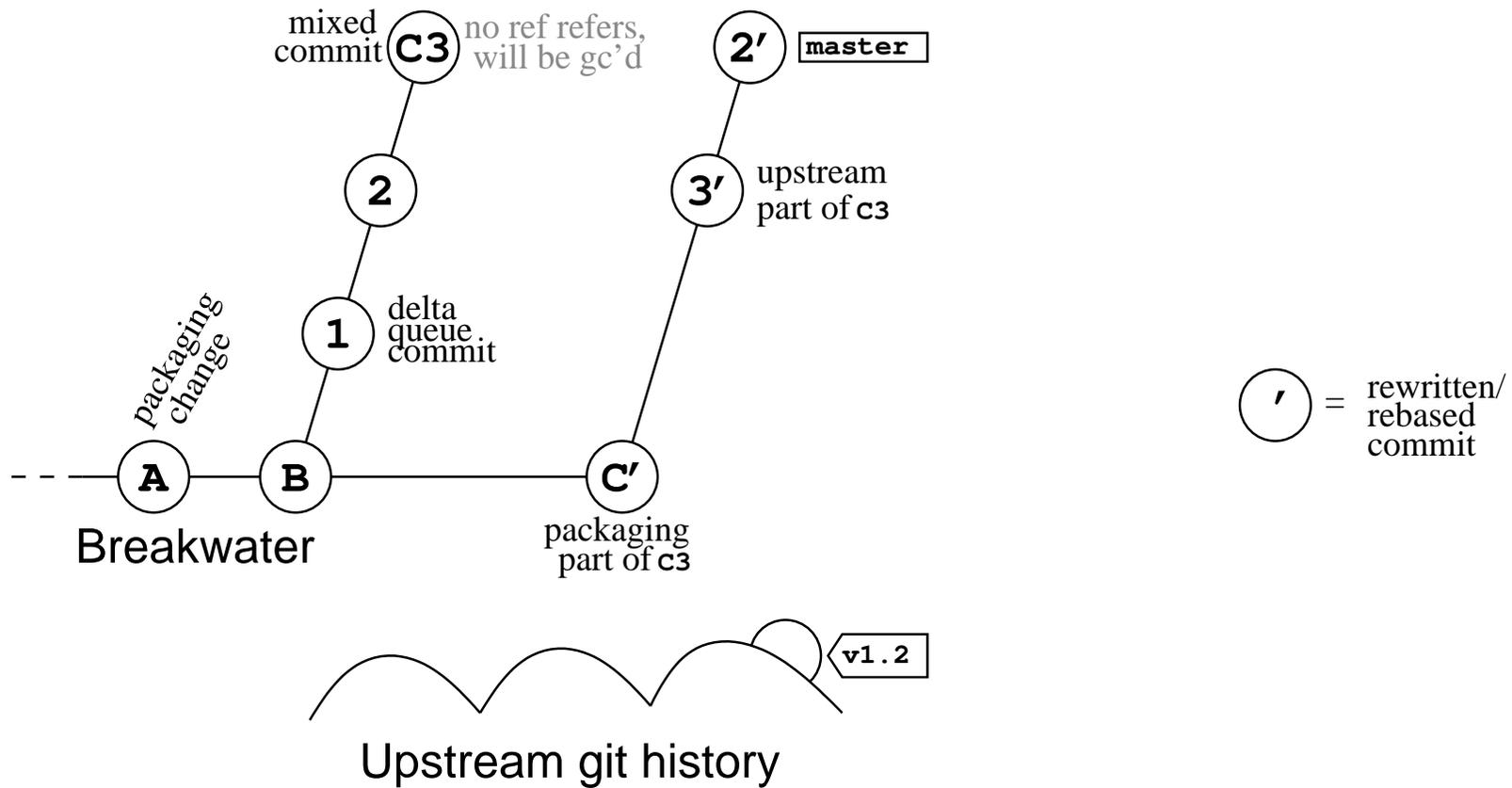
# Rebase e72e0477..d426a1e9 onto e72e0477 (6 commands)
#
# Commands:
# C-c C-c tell Git to make it happen
# C-c C-k tell Git that you changed your mind, i.e. abort
# p move point to previous line
# n move point to next line
# M-p move the commit at point up
# M-n move the commit at point down
# SPC show the commit at point in another buffer
# RET show the commit at point in another buffer a
```

git-debbase – commit history structure

after git-debbase

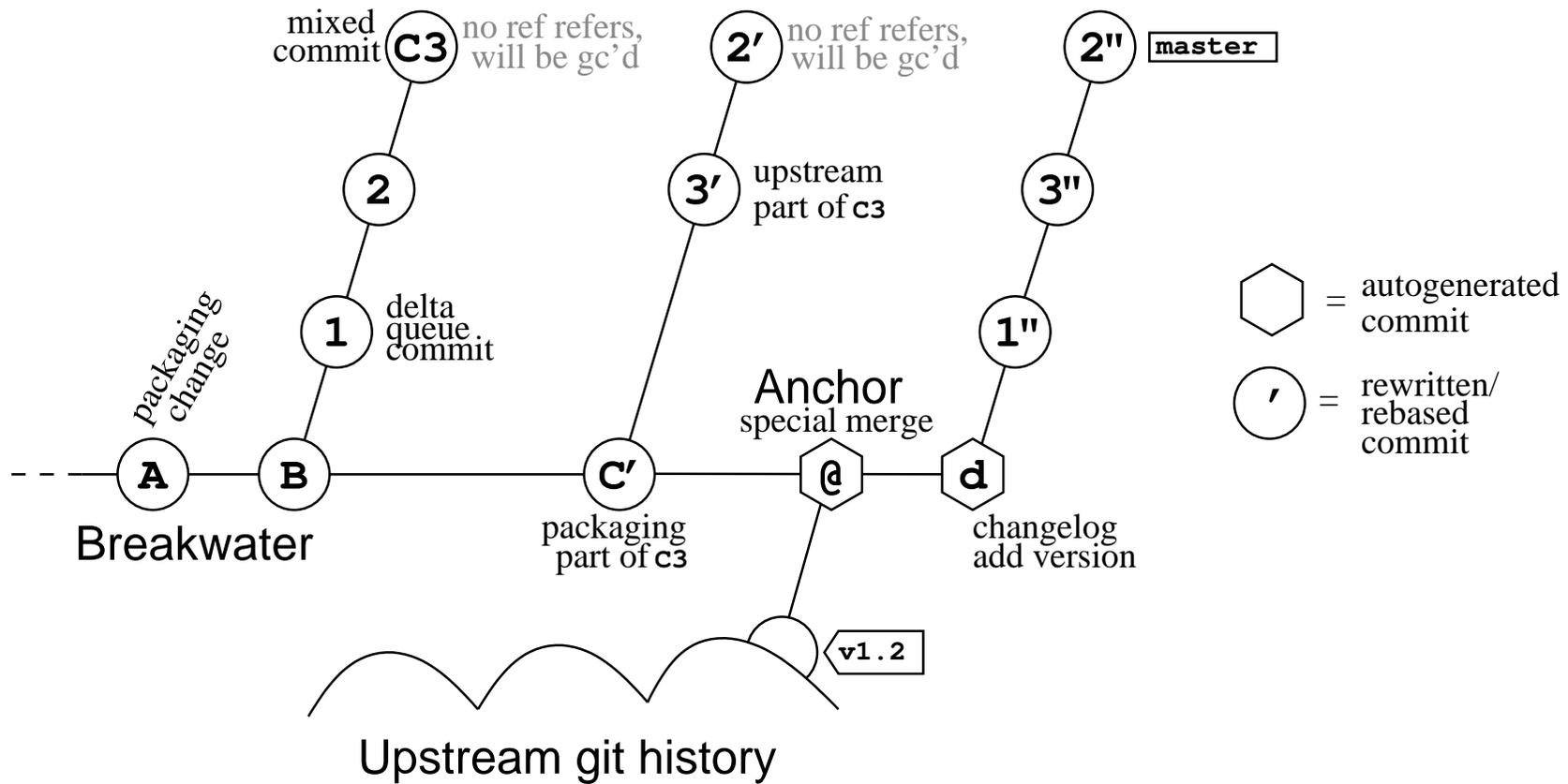


git-debrebase – commit history structure

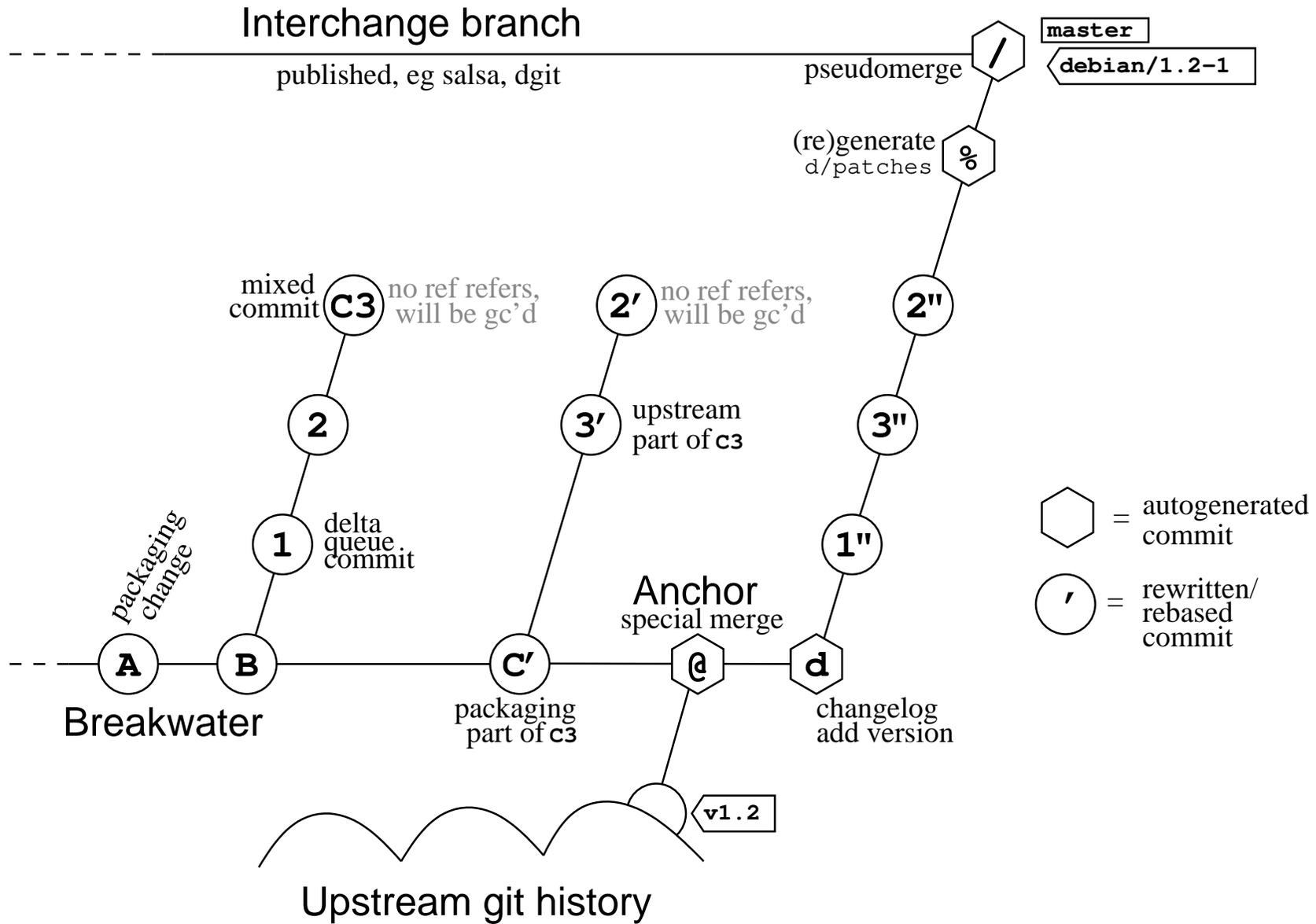


git-debbase – commit history structure

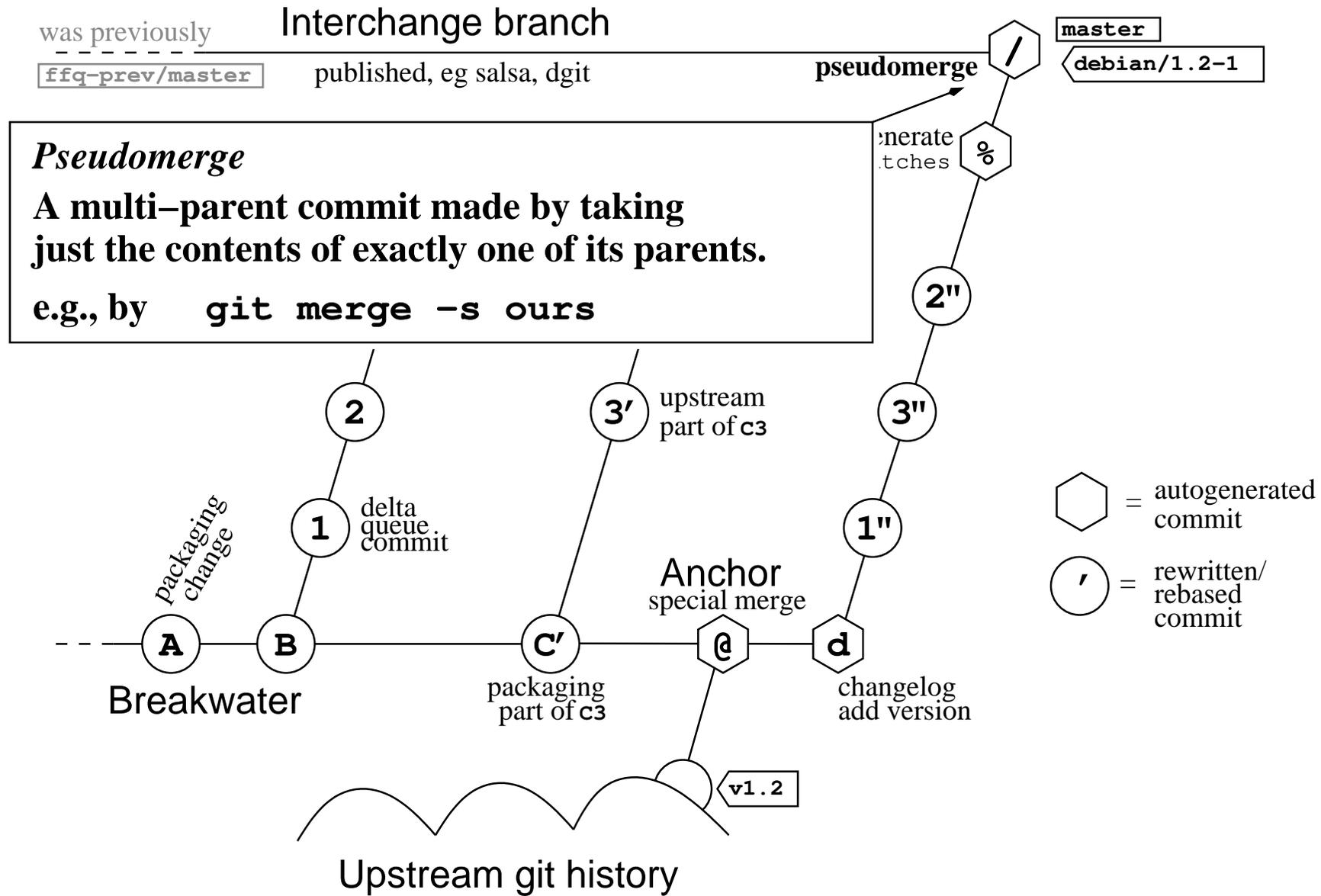
after new-upstream



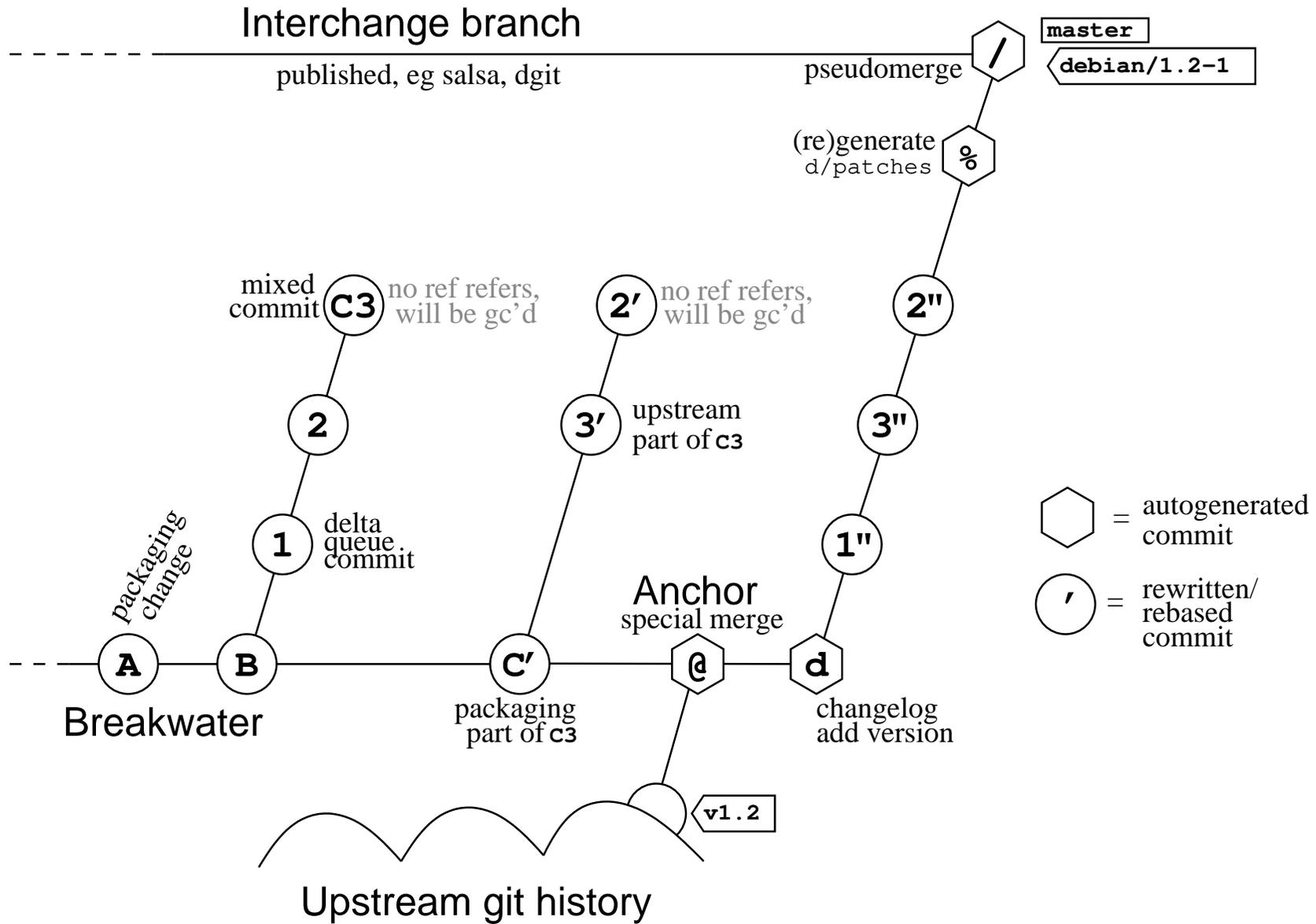
git-debbase – commit history structure after upload



git-debbase – commit history structure after upload

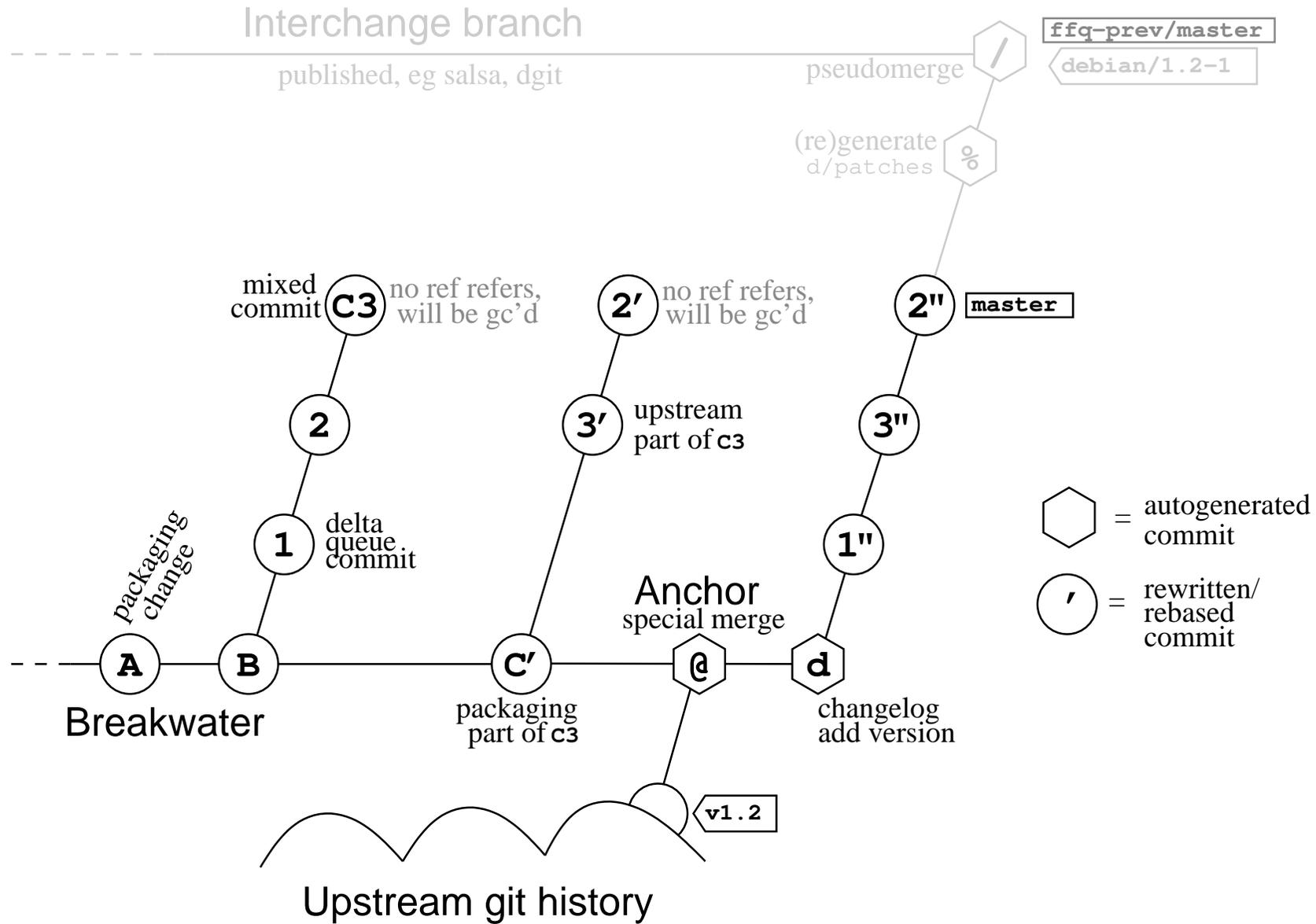


git-debbase – commit history structure after upload

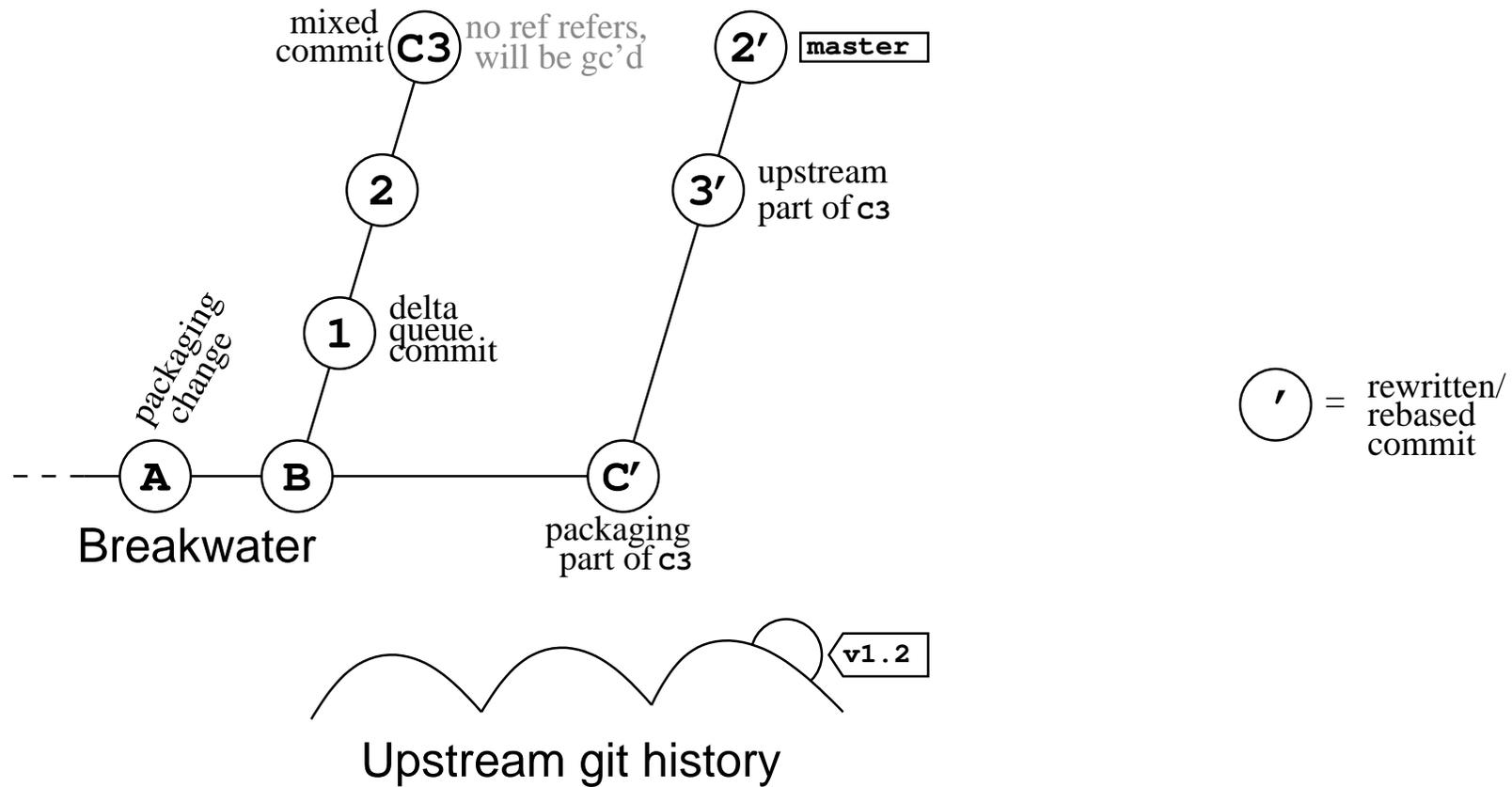


git-debbase – commit history structure

rebasing again

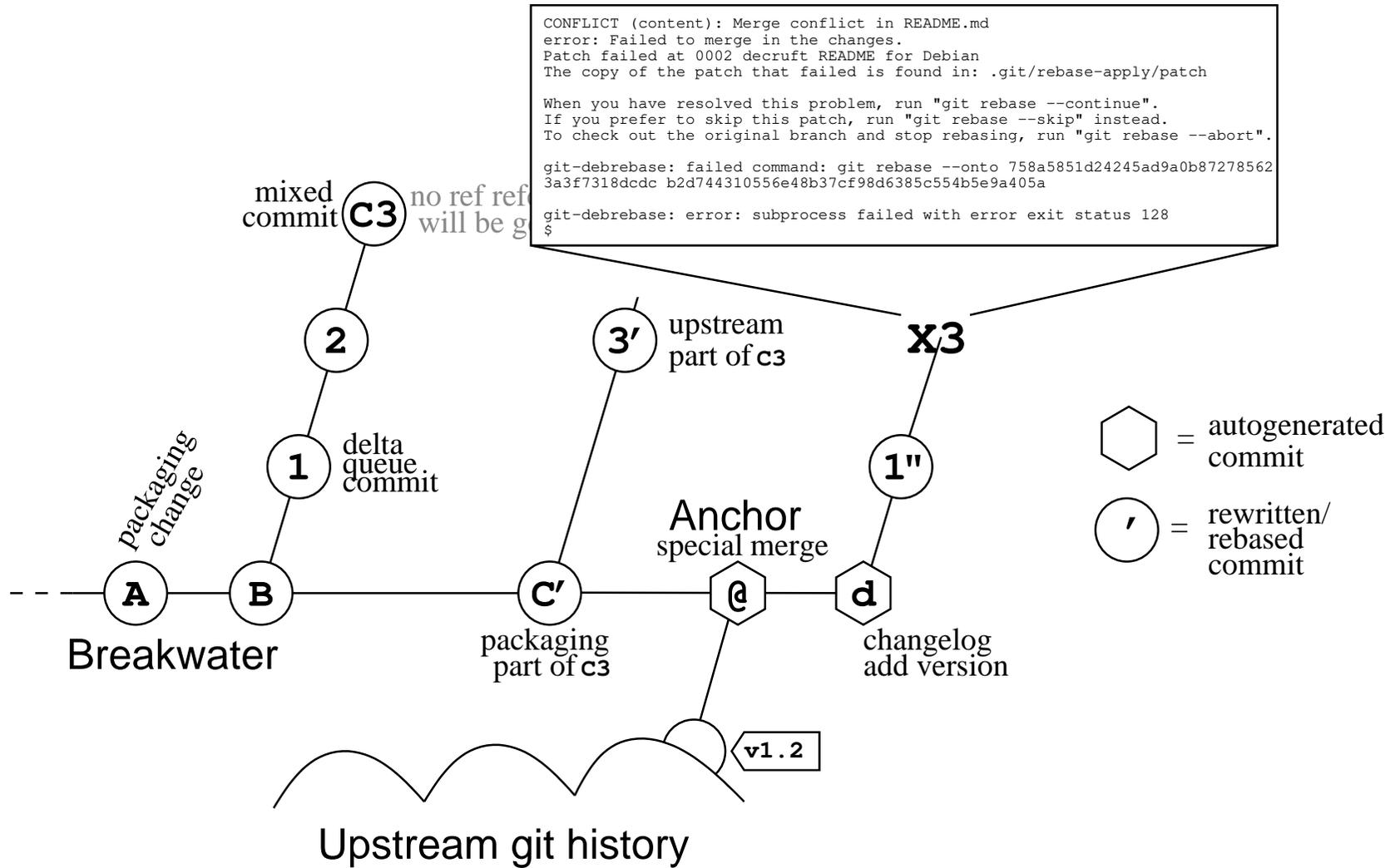


git-debrebase – commit history structure



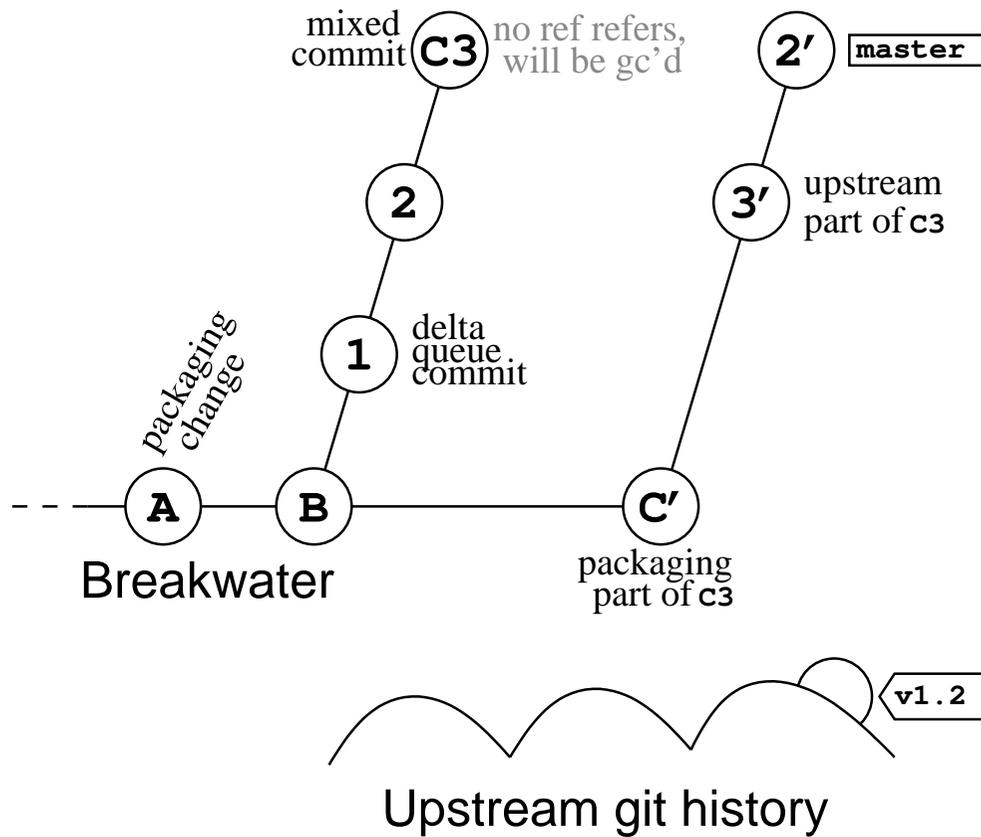
git-debbase – commit history structure

failed rebase for new-upstream



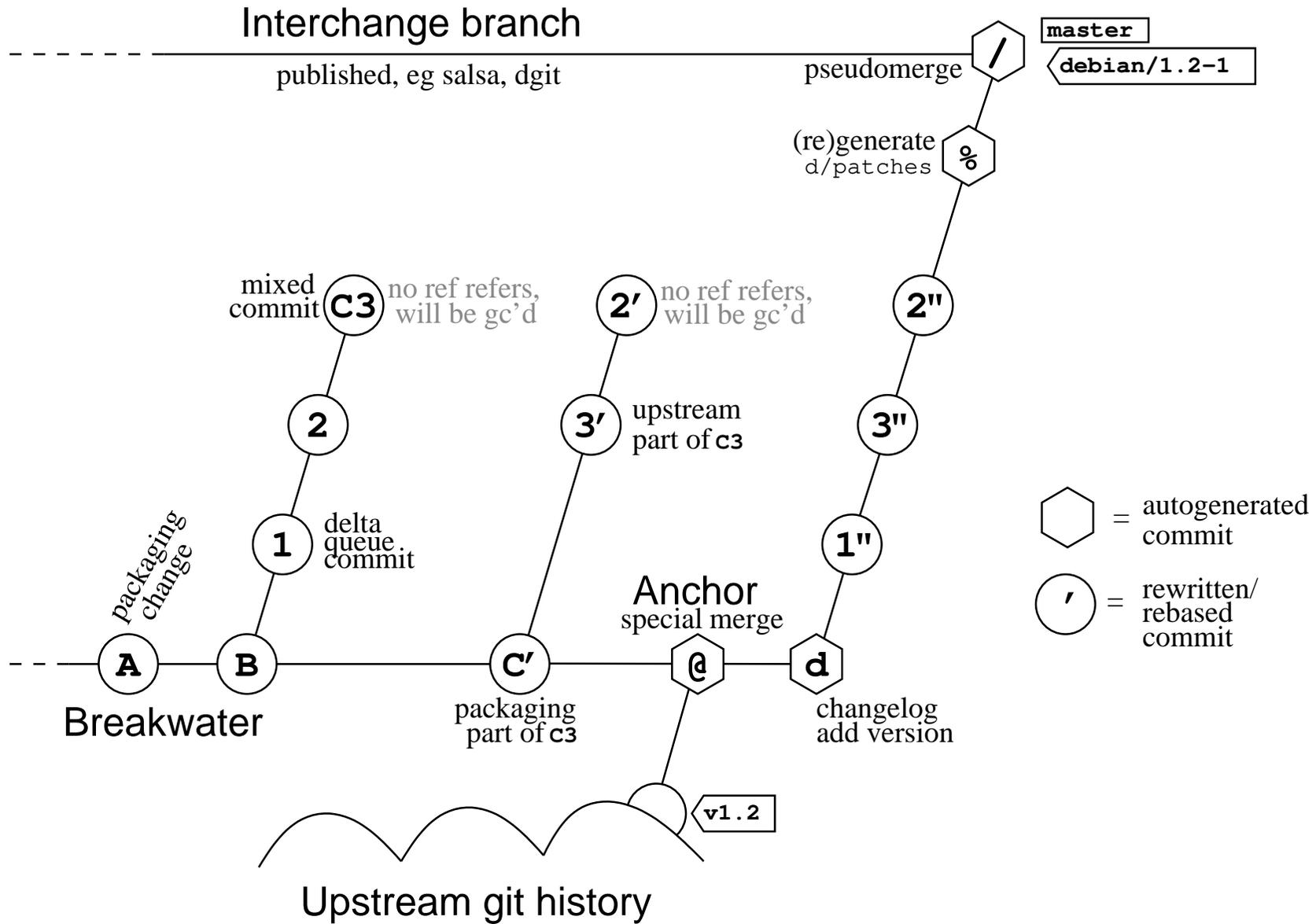
git-debrebase – commit history structure

aborted rebase for new-upstream



⊙' = rewritten/
rebased
commit

git-debbase – commit history structure after upload



git-debbase – references

git-debbase .deb **in testing and stretch-backports**

dggit-maint-debbase (7) **workflow tutorial**
 in dggit.deb

<https://manpages.debian.org/unstable/dggit-maint-debbase>

Debconf 18 git-debbase and dggit workshop
drop-in session (bring your laptop or just your questions)
Tuesday 10:00–11:45 room X

git-debbase (5) **Formal reference manuals**
git-debbase (1)

git debbase convert-from-gbp