## index

# commit in flight

# break a change into logical commits

# exclude a whole file or a \*part\* of it

# show not added to index

$ git difftool

# show added to index

$ git difftool --staged|--cached

# show both, not added and added to index

$ git difftool head

# working dir

# HEAD| git diff head |

# ---o-----------------staged---------unstaged

# | git diff --staged | git diff |

#

## reset

# topic

# ---o---A-------B

# working dir

$ git reset --hard head~

# topic

# ---o---A-------B

# working dir

# B is unstaged

$ git reset [--mixed] head~

# topic

# ---o---A-------B (unstaged)

# working dir

# B is staged

$ git reset --soft head~

# topic

# ---o---A-------B (staged)

# working dir

# move change working

# branch index dir

# soft Y

# mixed Y Y

# hard Y Y Y