Merge : merge file from the given into the
current branch.   **merge**   xin xin

initial
commit

master Current branch

Xin Xin

Given branch

↑
split point
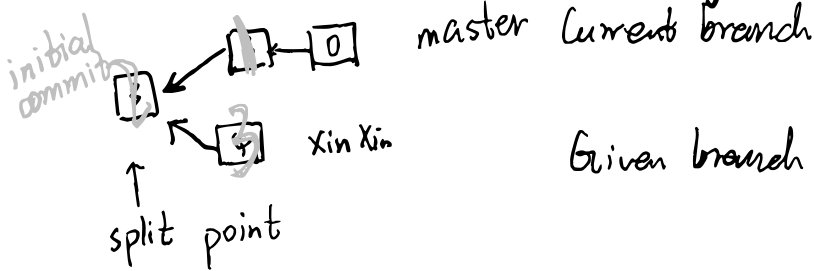
Files modified in 3 but not modified in 0
   checkout 3 filename
   Staged files

Files modified in 0 but not modified in 3
   Do nothing

Files modified in 0 & 3 the same way :
   { Updated   Do nothing
   { Removed   Do nothing

Files added in 0
   Do nothing

Files added in 3
   checked out 3 filename.
   Staged files.

Files removed from 3 and not changed in 0
   Removed (untracked)

Files modified in different ways in 3 & 0
   Replace the content of the files with :
   <<< HEAD
   ......
   Staged files.

commit :

    log message : Merged [given branch name] . . .

The parents of this commit is $\begin{cases} 0 \\ 3 \end{cases}$

※