Merci de répondre aux **deux** questions suivantes.

L’utilisation d’une “cheat sheet” est autorisée.

1. En faisant un “rebase interactive” de ma branche de travail, j’ai supprimé des commits alors qu’il ne fallait pas. Comment puis-je les récupérer?

(à noter que ma branche de travail n’était pas “pusher” au serveur, c’est à dire qu’elle ne se trouvait qu’en local sur ma machine)

antoine@PC-ANTOINE MINGW64 /g/Downloads/Sevenhugs (master)

$ git log --oneline --all --graph --decorate

\* fb987df (HEAD -> master) add bob file to be removed by rebase

\* 8d3d577 update the dummy file

\* cedc01f add a dummy file

\* a3a45aa initial commit

antoine@PC-ANTOINE MINGW64 /g/Downloads/Sevenhugs (master)

$ git commit -m "update again the dummy file"

[master 5b68ba6] update again the dummy file

1 file changed, 1 insertion(+), 1 deletion(-)

antoine@PC-ANTOINE MINGW64 /g/Downloads/Sevenhugs (master)

$ git rebase -i HEAD~2

Successfully rebased and updated refs/heads/master.

**//interactive rebase**

drop fb987df add bob file to be removed by rebase

pick 5b68ba6 update again the dummy file

**//exit interactive rebase**

**// The commit disapeared from master branch**

antoine@PC-ANTOINE MINGW64 /g/Downloads/Sevenhugs (master)

$ git log --oneline --all --graph --decorate

\* 8983363 (HEAD -> master) update again the dummy file

\* 8d3d577 update the dummy file

\* cedc01f add a dummy file

\* a3a45aa initial commit

**// Checking the reflog to find the commit that was drop**

antoine@PC-ANTOINE MINGW64 /g/Downloads/Sevenhugs (master)

$ git reflog --all

8983363 (HEAD -> master) refs/heads/master@{0}: rebase -i (finish): refs/heads/master onto 8d3d5773dc91f4725465dabce4f9da5e88aae836

8983363 (HEAD -> master) HEAD@{0}: rebase -i (finish): returning to refs/heads/master

8983363 (HEAD -> master) HEAD@{1}: rebase -i (pick): update again the dummy file

8d3d577 HEAD@{2}: rebase -i (start): checkout HEAD~2

5b68ba6 refs/heads/master@{1}: commit: update again the dummy file

5b68ba6 HEAD@{3}: commit: update again the dummy file

fb987df refs/heads/master@{2}: commit: add bob file to be removed by rebase

fb987df HEAD@{4}: commit: add bob file to be removed by rebase

8d3d577 refs/heads/master@{3}: commit: update the dummy file

8d3d577 HEAD@{5}: commit: update the dummy file

cedc01f refs/heads/master@{4}: commit: add a dummy file

cedc01f HEAD@{6}: commit: add a dummy file

a3a45aa refs/heads/master@{5}: commit (initial): initial commit

a3a45aa HEAD@{7}: commit (initial): initial commit

**//reset the master branch to before the commit was drop**

antoine@PC-ANTOINE MINGW64 /g/Downloads/Sevenhugs (master)

$ git reset --hard master@{1}

HEAD is now at 5b68ba6 update again the dummy file

antoine@PC-ANTOINE MINGW64 /g/Downloads/Sevenhugs (master)

$ git log --oneline --all --graph --decorate

\* 5b68ba6 (HEAD -> master) update again the dummy file

\* fb987df add bob file to be removed by rebase

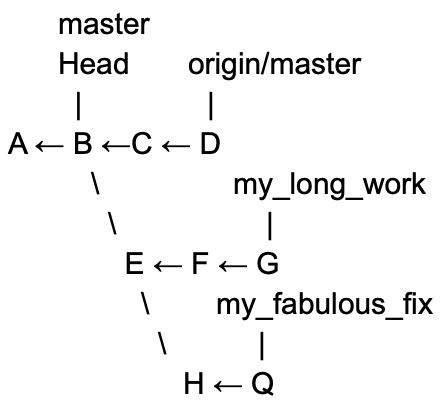
\* 8d3d577 update the dummy file

\* cedc01f add a dummy file

\* a3a45aa initial commit

1. Donner la liste des commandes pour **rebaser** la branche “my\_fabulous\_fix” et la **pusher** sur master?

(à noter, le commit ‘E’ ne fait pas parti du fix, il ne devrait donc pas être pusher sur master)



antoine@PC-ANTOINE MINGW64 /g/Downloads/Sevenhugs (my\_bug\_fix)

$ git log --oneline --all --graph --decorate

\* 4156e64 (my\_bug\_fix) Q

\* 4f110ec H

| \* 5dd2f3d (my\_long\_work) G

| \* 16f2082 F

|/

\* bb3d1de E

| \* 3339972 (origin/master) D

| \* 9b8fc1e C

|/

\* fb7bf56 (HEAD -> master) B

\* c558ff6 A

**//first step is to align to origin/master**

antoine@PC-ANTOINE MINGW64 /g/Downloads/Sevenhugs (master)

$ git pull

Updating fb7bf56..3339972

src/dummy.txt | 2 +-

1 file changed, 1 insertion(+), 1 deletion(-)

**//move to the branch when want to rebase**

**//instead we could also have cherry-picked the 2 commits Q&H**

antoine@PC-ANTOINE MINGW64 /g/Downloads/Sevenhugs (master)

$ git checkout my\_bug\_fix

Switched to branch 'my\_bug\_fix'

**//start the interactive rebase, bad luck there is a conflict**

antoine@PC-ANTOINE MINGW64 /g/Downloads/Sevenhugs (my\_bug\_fix)

$ git rebase -i master

**//interactive rebase**

drop bb3d1de E

pick 4f110ec H

pick 4156e64 Q

**//exit interactive rebase**

Auto-merging src/dummy.txt

CONFLICT (content): Merge conflict in src/dummy.txt

error: could not apply 4f110ec... H

Resolve all conflicts manually, mark them as resolved with

"git add/rm <conflicted\_files>", then run "git rebase --continue".

You can instead skip this commit: run "git rebase --skip".

To abort and get back to the state before "git rebase", run "git rebase --abort".

Could not apply 4f110ec... H

antoine@PC-ANTOINEMINGW64 /g/Downloads/Sevenhugs (my\_bug\_fix|REBASE-i 2/3)

$ git add src/dummy.txt

**//bad luck we have another conflict to fix**

antoine@PC-ANTOINE MINGW64 /g/Downloads/Sevenhugs (my\_bug\_fix|REBASE-i 2/3)

$ git rebase --continue

[detached HEAD 64a0aca] H

1 file changed, 3 insertions(+), 1 deletion(-)

Auto-merging src/dummy.txt

CONFLICT (content): Merge conflict in src/dummy.txt

error: could not apply 4156e64... Q

Resolve all conflicts manually, mark them as resolved with

"git add/rm <conflicted\_files>", then run "git rebase --continue".

You can instead skip this commit: run "git rebase --skip".

To abort and get back to the state before "git rebase", run "git rebase --abort".

Could not apply 4156e64... Q

antoine@PC-ANTOINE MINGW64 /g/Downloads/Sevenhugs (my\_bug\_fix|REBASE-i 3/3)

$ git add src/dummy.txt

antoine@PC-ANTOINE MINGW64 /g/Downloads/Sevenhugs (my\_bug\_fix|REBASE-i 3/3)

$ git rebase --continue

[detached HEAD 13910d0] Q

1 file changed, 1 deletion(-)

Successfully rebased and updated refs/heads/my\_bug\_fix.

**//rebase is done, we go back to master to merge the branch**

antoine@PC-ANTOINE MINGW64 /g/Downloads/Sevenhugs (my\_bug\_fix)

$ git checkout master

Switched to branch 'master'

**//can add –no-ff to keep a trace of the branch**

antoine@PC-ANTOINE MINGW64 /g/Downloads/Sevenhugs (master)

$ git merge my\_bug\_fix

Updating 3339972..13910d0

Fast-forward

src/dummy.txt | 3 ++-

1 file changed, 2 insertions(+), 1 deletion(-)

**//and now we are ready to push laster branch**

antoine@PC-ANTOINE MINGW64 /g/Downloads/Sevenhugs (master)

$ git log --oneline --all --graph --decorate

\* 13910d0 (HEAD -> master, my\_bug\_fix) Q

\* 64a0aca H

\* 3339972 (origin/master) D

\* 9b8fc1e C

| \* 5dd2f3d (my\_long\_work) G

| \* 16f2082 F

| \* bb3d1de E

|/

\* fb7bf56 B

\* c558ff6 A