Pare de Apertar Parafuso

e vá além do Xcode

Daniel Bonates

Head de Mobile no Peixe Urbano / Groupon Latam

Pai babão de 3, marido, músico & maker

Developer desde ~1994 👴


@DanielBonates

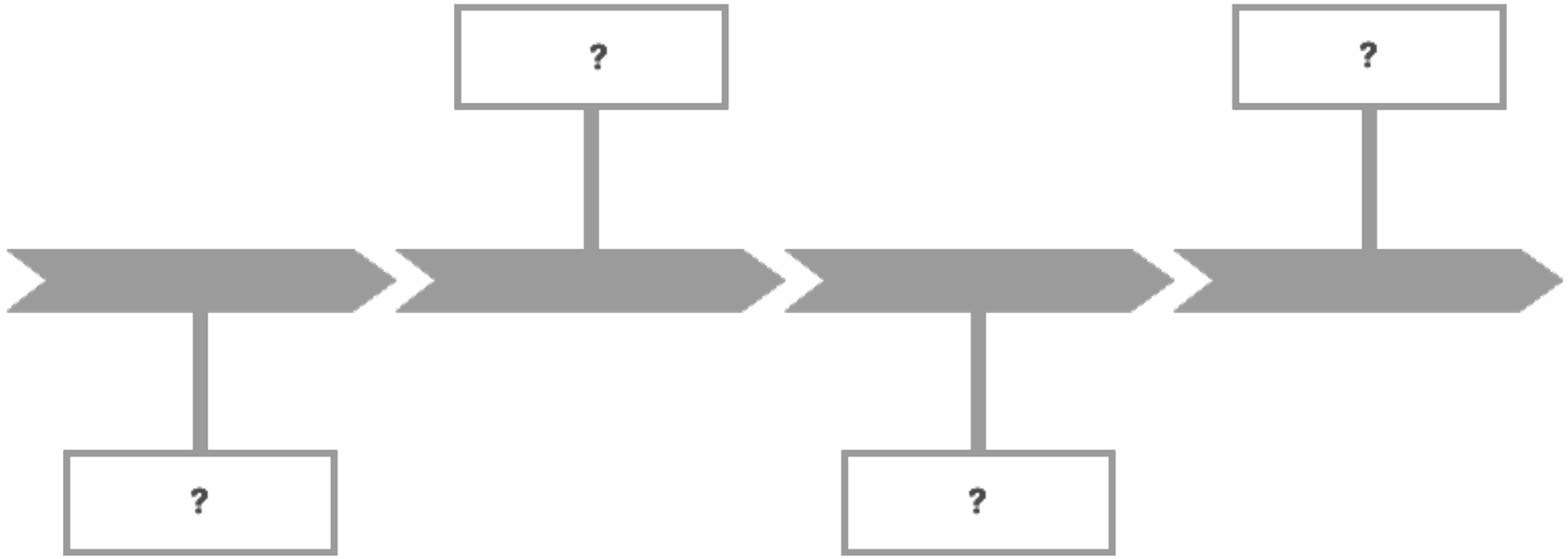

@bonates


@dbonates

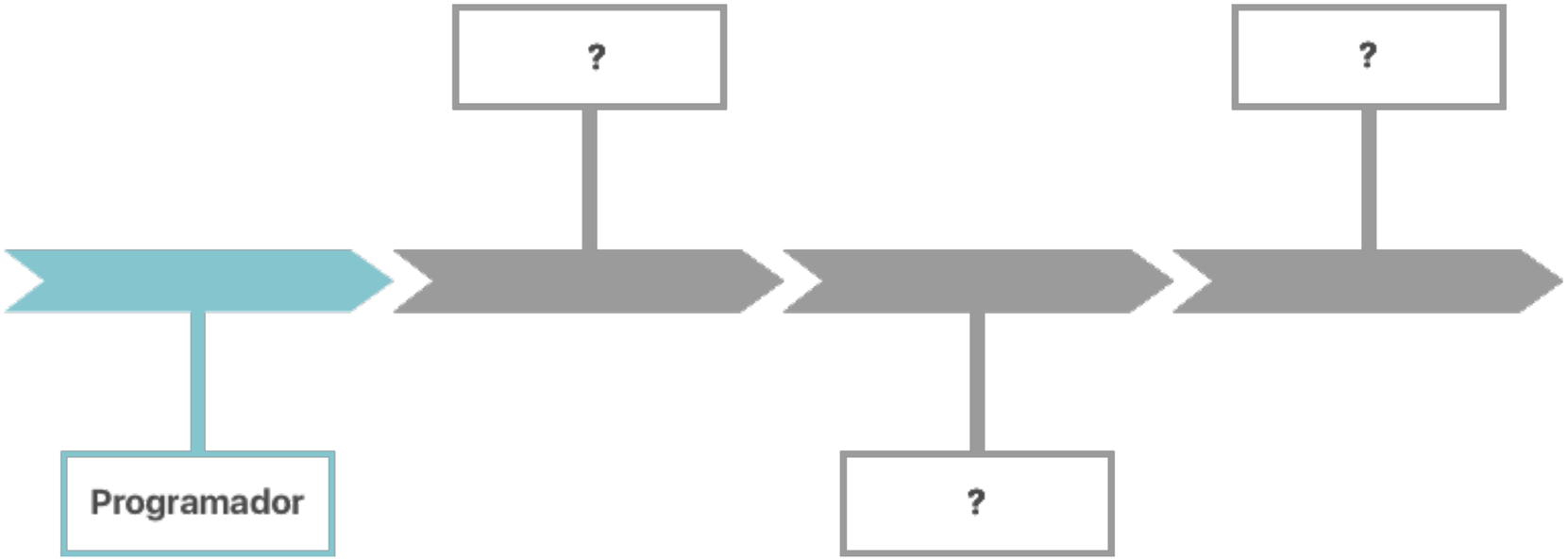
Parte 1

The last talk

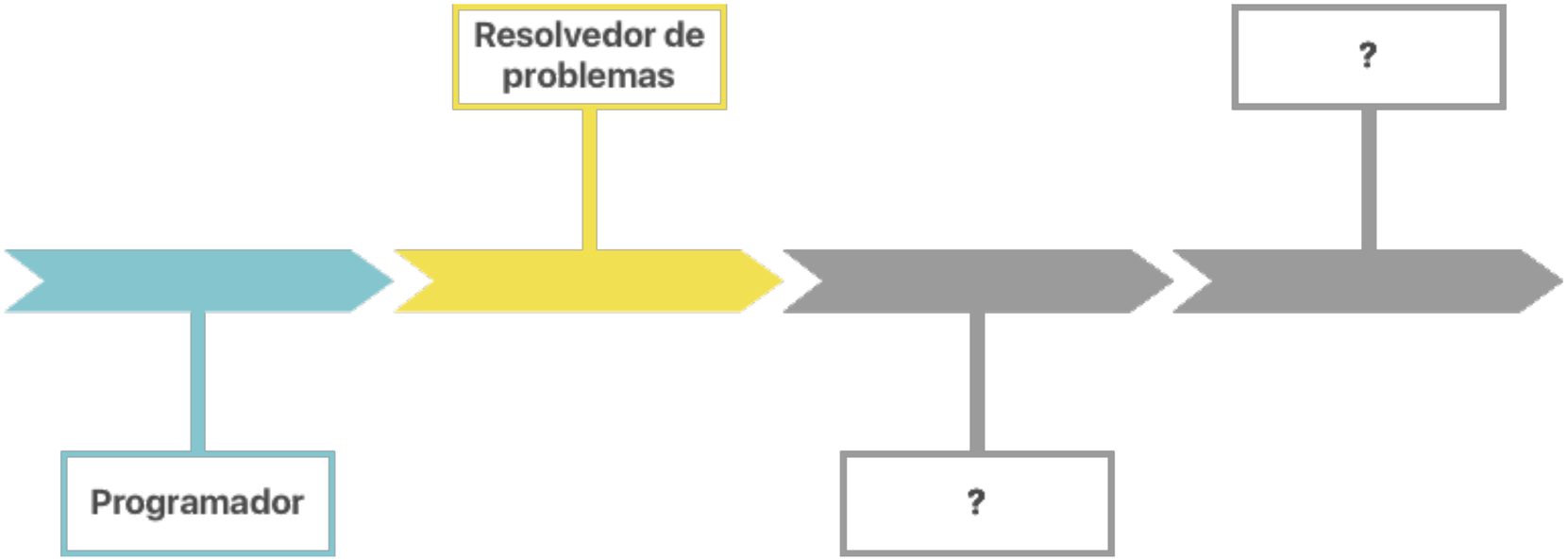
Fases da vida dev



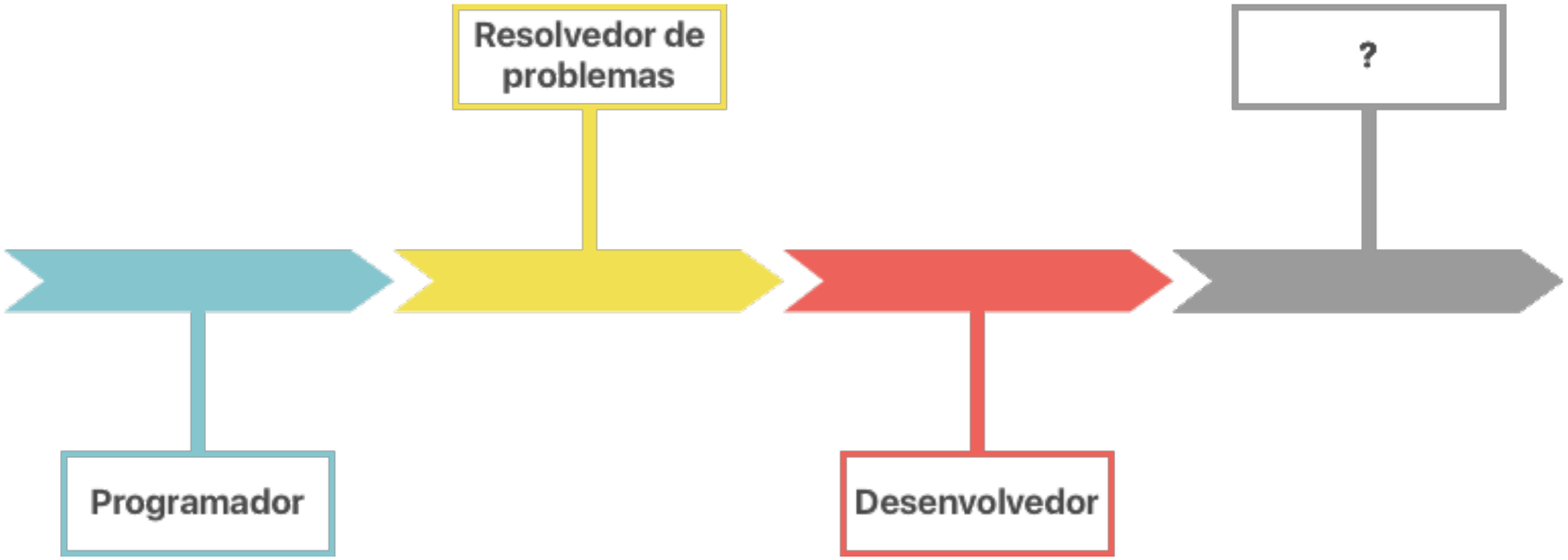
Fases da vida dev



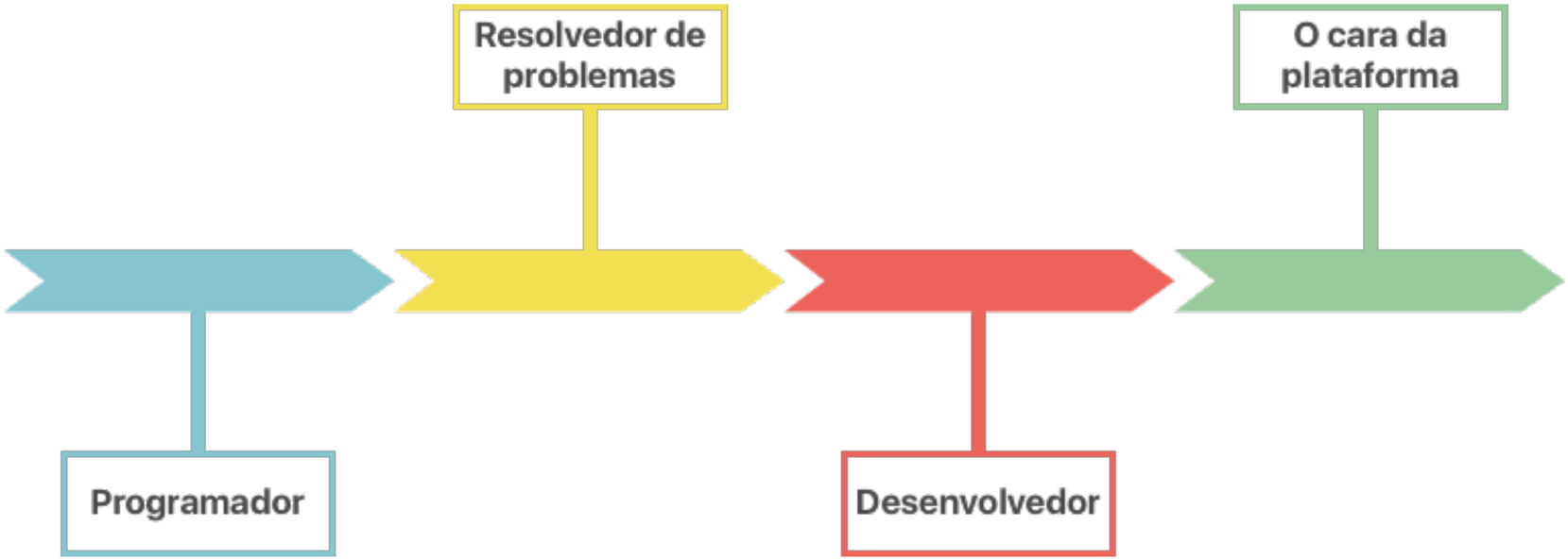
Fases da vida dev



Fases da vida dev



Fases da vida dev



Os 3 Clientes

- Usuário
- Owner
- Time dev
- Os 3 papéis sempre vão determinar o resultado do produto

Parte 2

Era tudo mato


Na verdade, pantano! ¯_(ツ)_/¯

Desafios

- Migrar código legado
- Implementar arquiteturas
- Modularização
- Manter o roadmap e a evolução do app

Parte 3

A era da provação 🔥

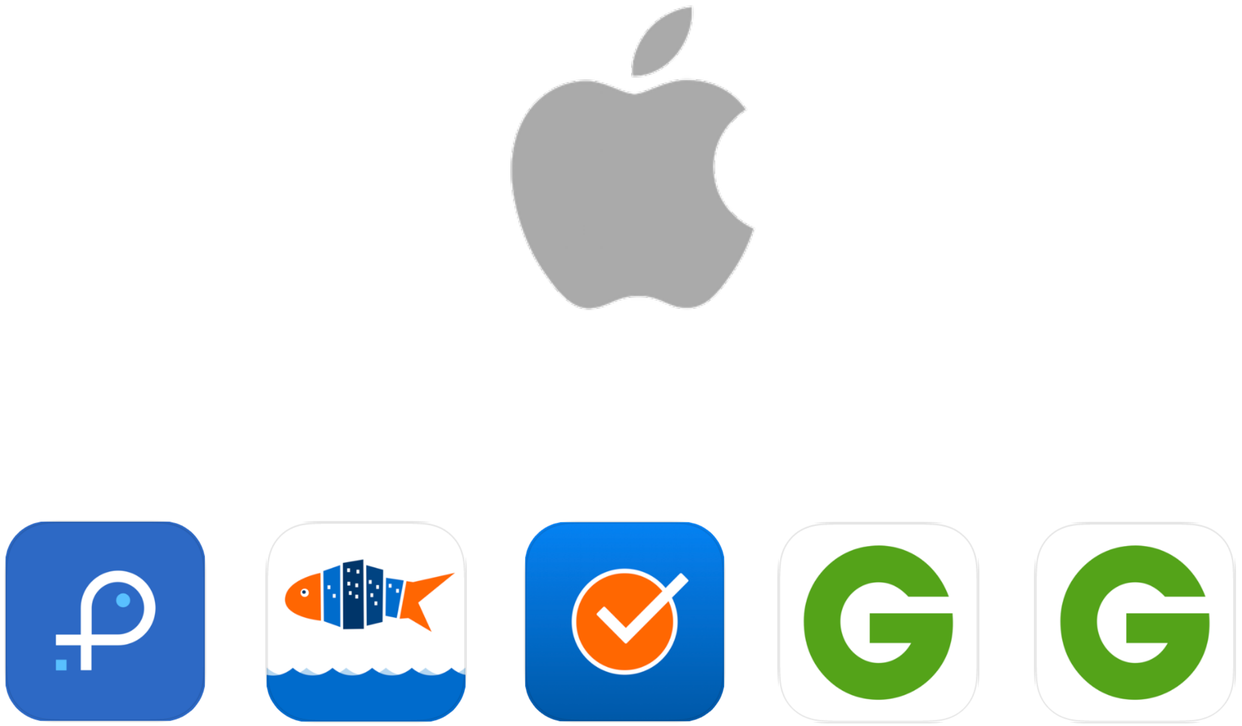
Desafio +

Desafio ++

Latam

Desafio +++

Desafio +++



5 países

Parte 4

Demos e casos reais

Como resolver problemas com seu app,
rapidamente e sem passar pelo Xcode

Desafio 1 - backend

O app não responde, loading eterno

Desafio 1 - backend

O app não responde, loading eterno

Charles Proxy

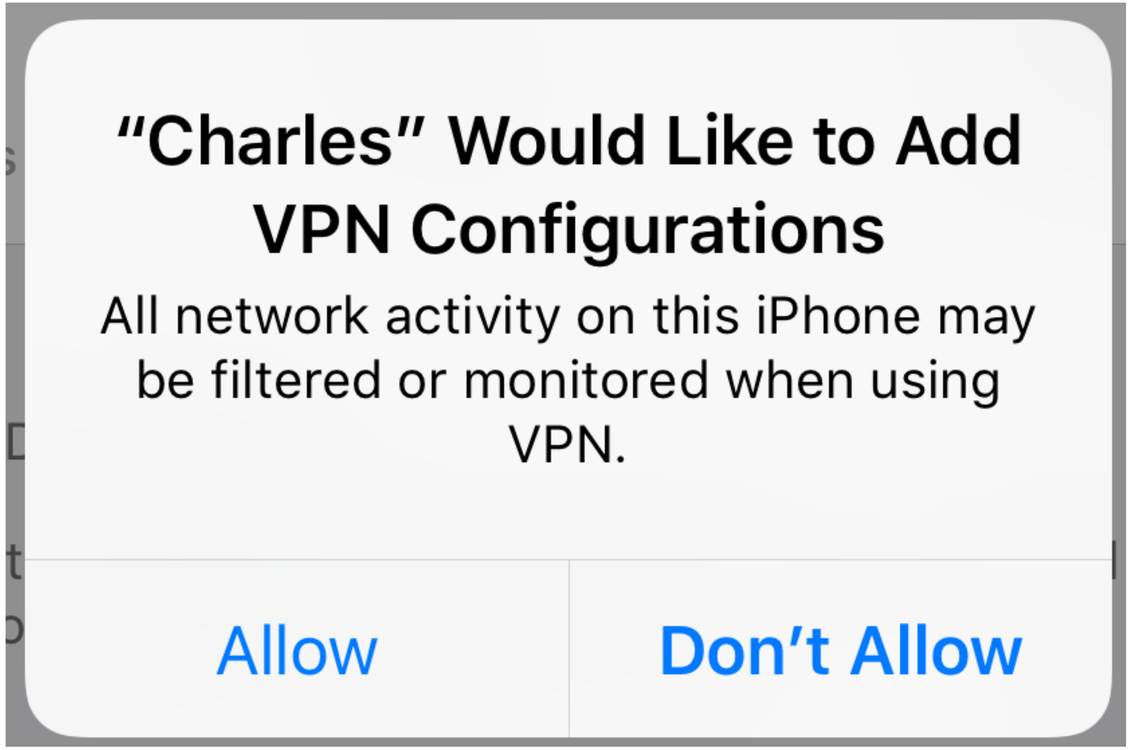
https://www.charlesproxy.com

Charles Proxy

Checando endpoint

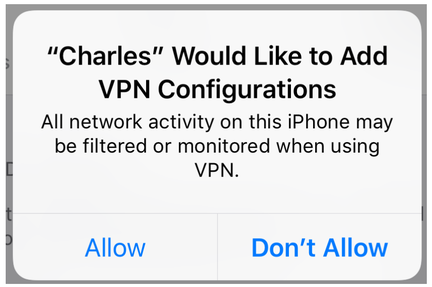
Charles Proxy

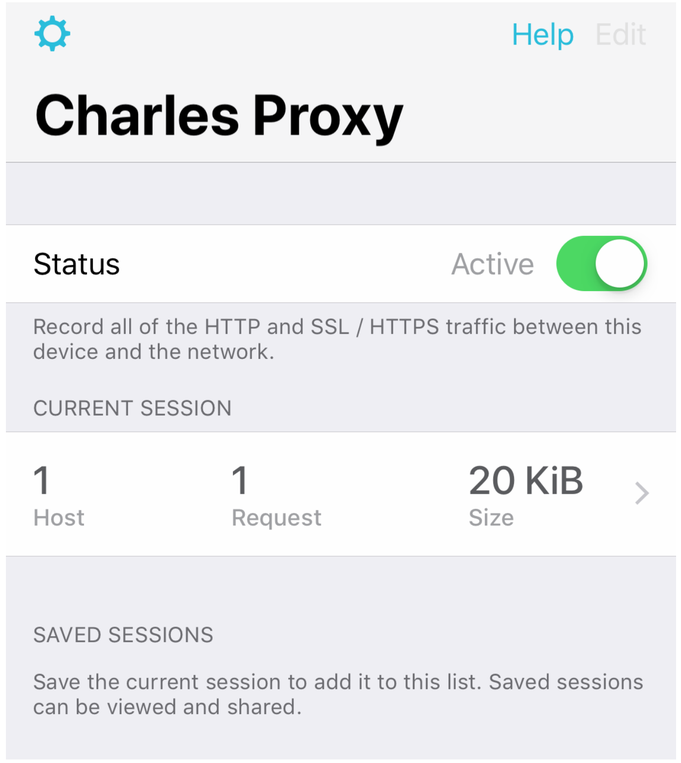
Checando endpoint



Charles Proxy

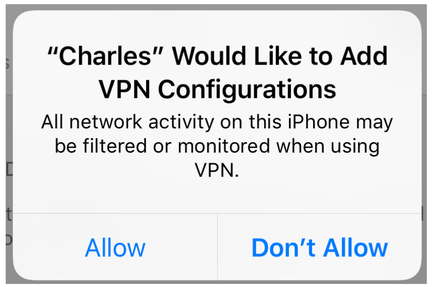
Checando endpoint

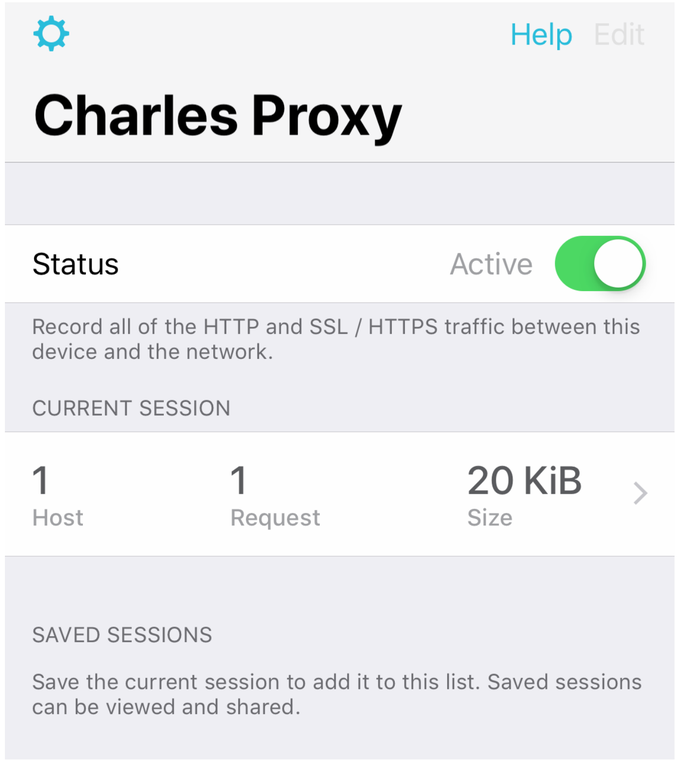


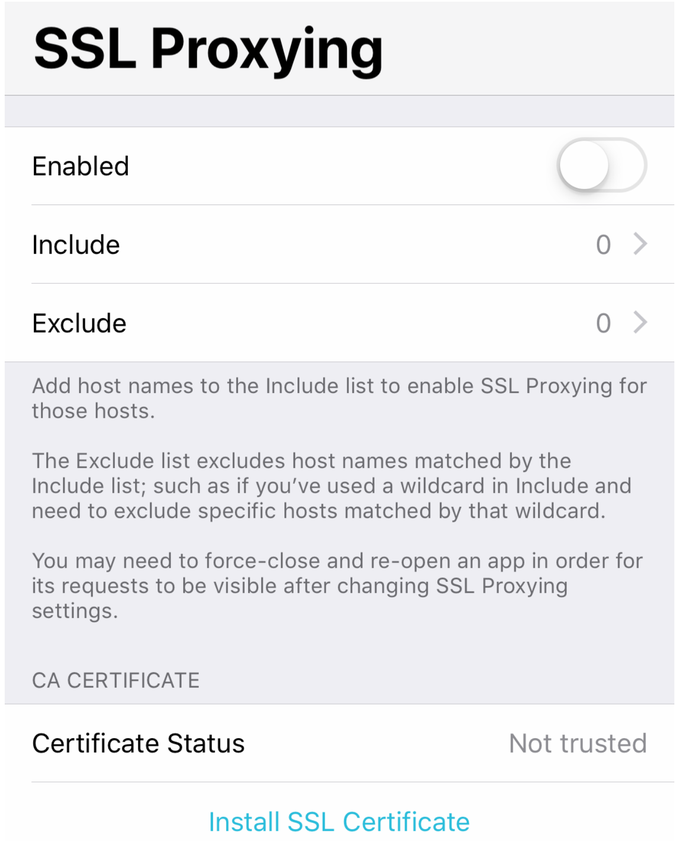


Charles Proxy

Checando endpoint

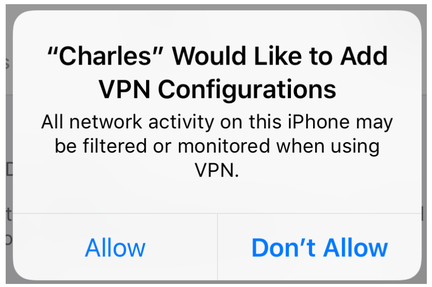






Charles Proxy

Checando endpoint



Help Edit

Charles Proxy

Status Active

Record all of the HTTP and SSL / HTTPS traffic between this device and the network.

CURRENT SESSION

1	1	20 KiB
Host	Request	Size

SAVED SESSIONS

Save the current session to add it to this list. Saved sessions can be viewed and shared.

Response Body


```
{
    "total": 16695,
    "searchDetails": {
        "searchParameters": {}
    },
    "results": [{
        "title": "Colchester Half Maratho
n",
        "slug": "colchester-half-marathon
",
        "eventUrl": "https://www.colchest
erhalfmarathon.co.uk/",
        "id": 17829,
        "description": "<p>The Griffin Ch
apman Colchester Half Marathon has become
established as one of the biggest and bes
t races in the region. Organised by a gro
up of volunteers from Colchester Colne Ro
und Table, alongside some dedicated indiv
iduals from the Colchester community,  th
e team that bring you the race work throu
ghout the year to ensure you have a great
```


SSL Proxying

Enabled

Include 0

Exclude 0

Add host names to the Include list to enable SSL Proxying for those hosts.

The Exclude list excludes host names matched by the Include list; such as if you’ve used a wildcard in Include and need to exclude specific hosts matched by that wildcard.

You may need to force-close and re-open an app in order for its requests to be visible after changing SSL Proxying settings.

CA CERTIFICATE

Certificate Status Not trusted

Install SSL Certificate

Desafio 2 - backend

Testar variações de resposta em um endpoint.

Desafio 2 - backend

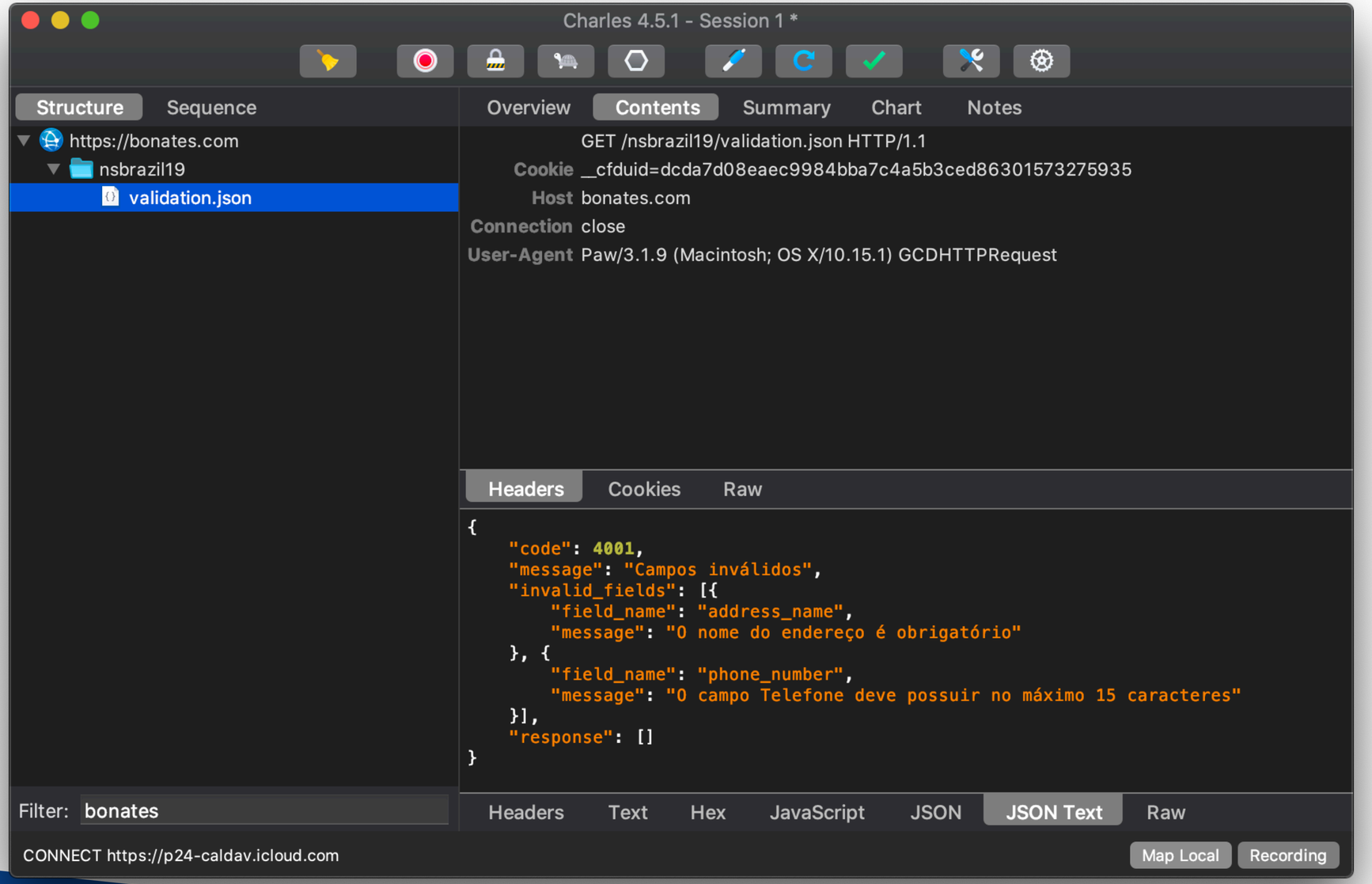
Testar variações de resposta em um endpoint.

Charles Proxy

https://www.charlesproxy.com

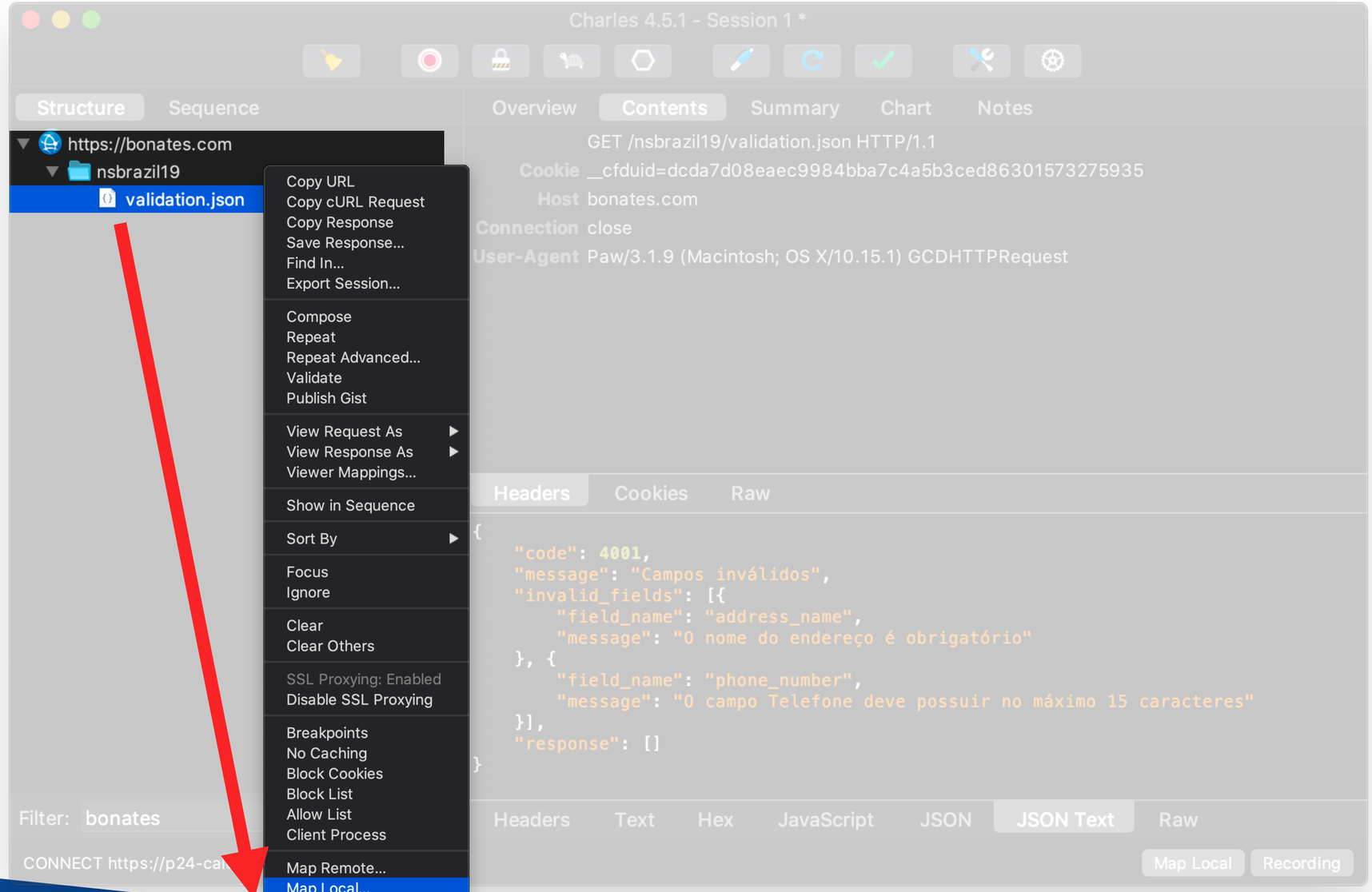
Charles Proxy

Mapear endpoint para um arquivo local



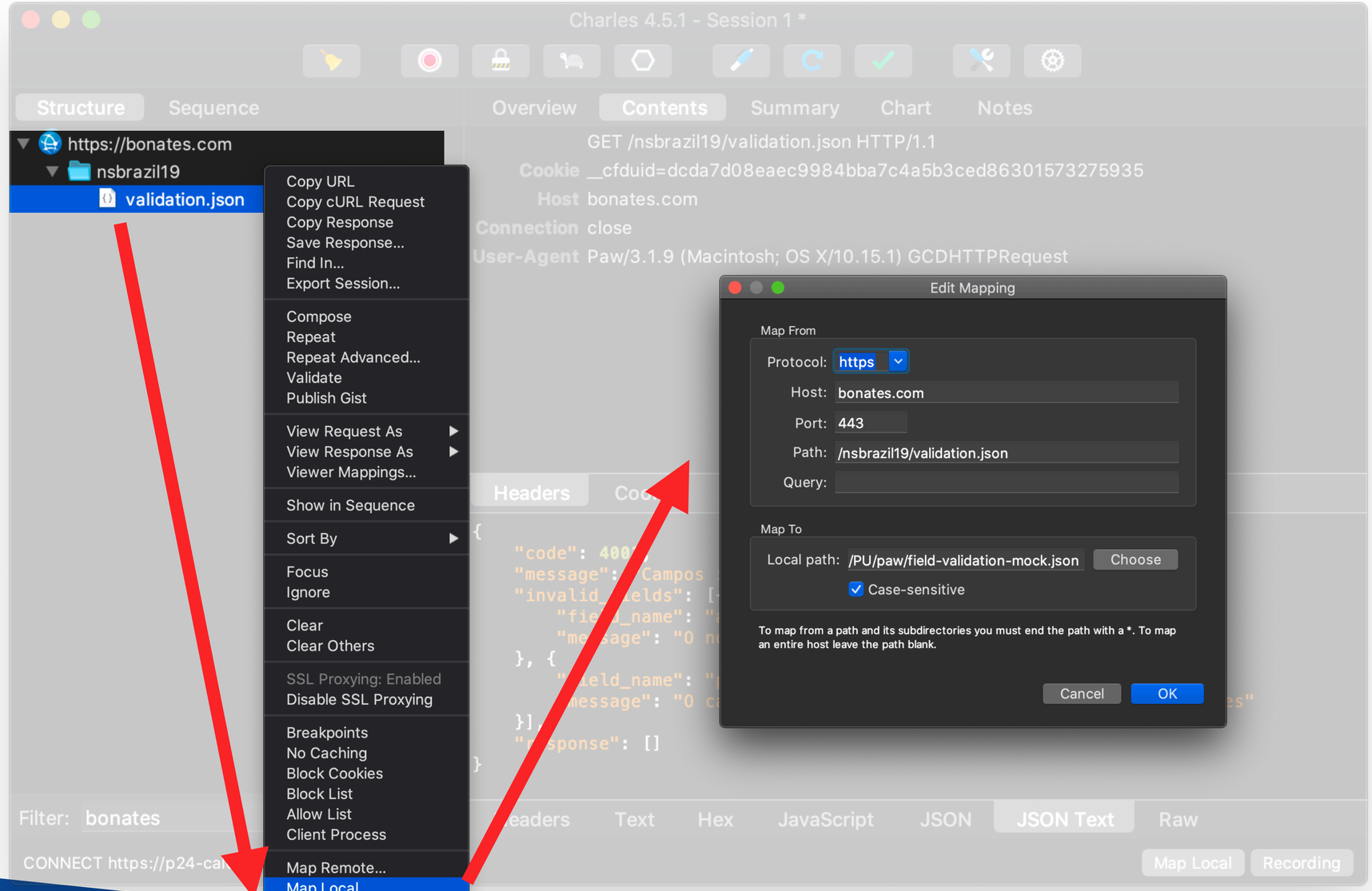
Charles Proxy

Mapear endpoint para um arquivo local



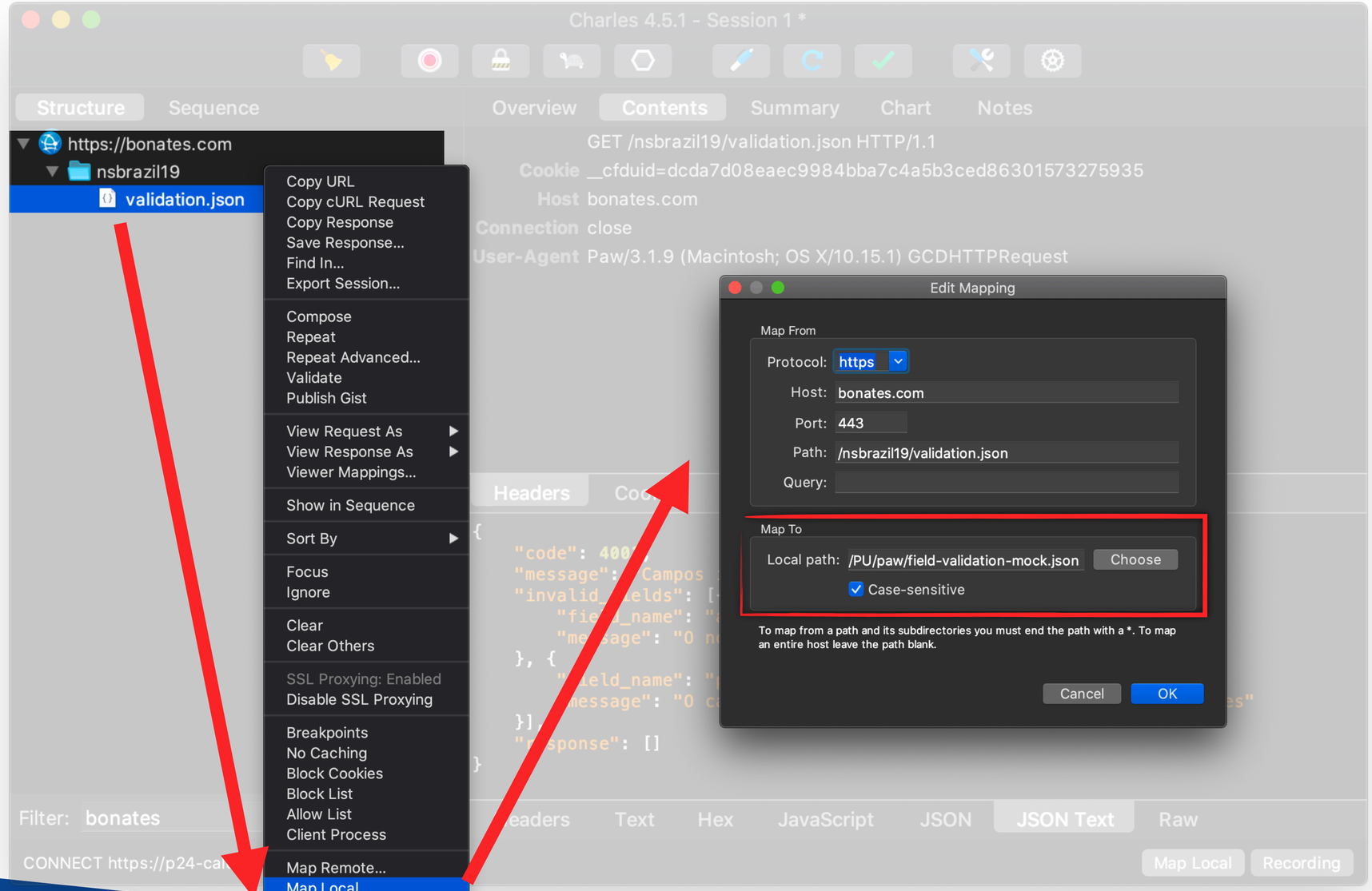
Charles Proxy

Mapear endpoint para um arquivo local



Charles Proxy

Mapear endpoint para um arquivo local



Desafio 3 - backend & API

Selecionar Produtos na tabBar não retorna nenhuma oferta

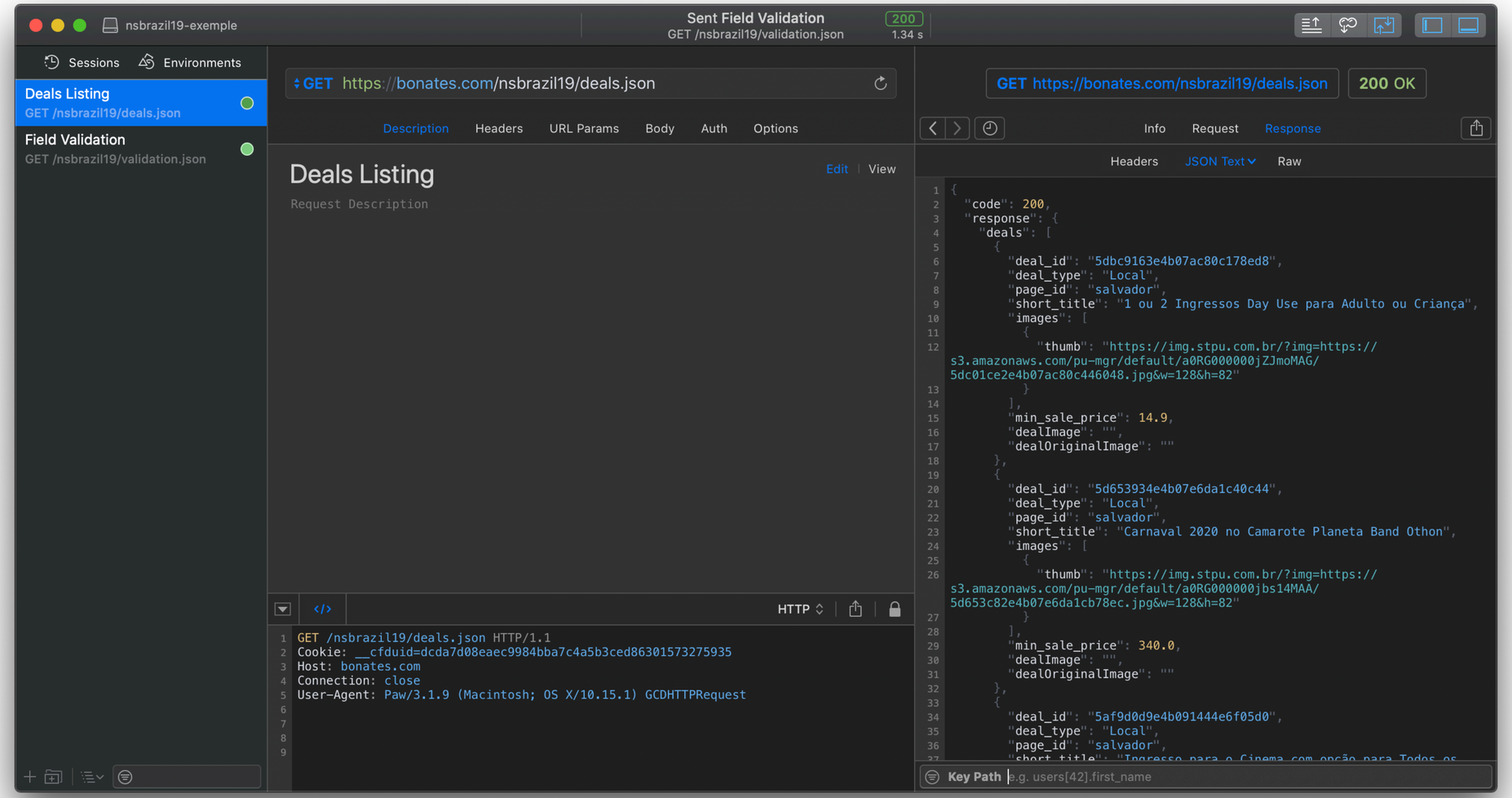
Desafio 3 - backend & API

Selecionar Produtos na tabBar não retorna nenhuma oferta

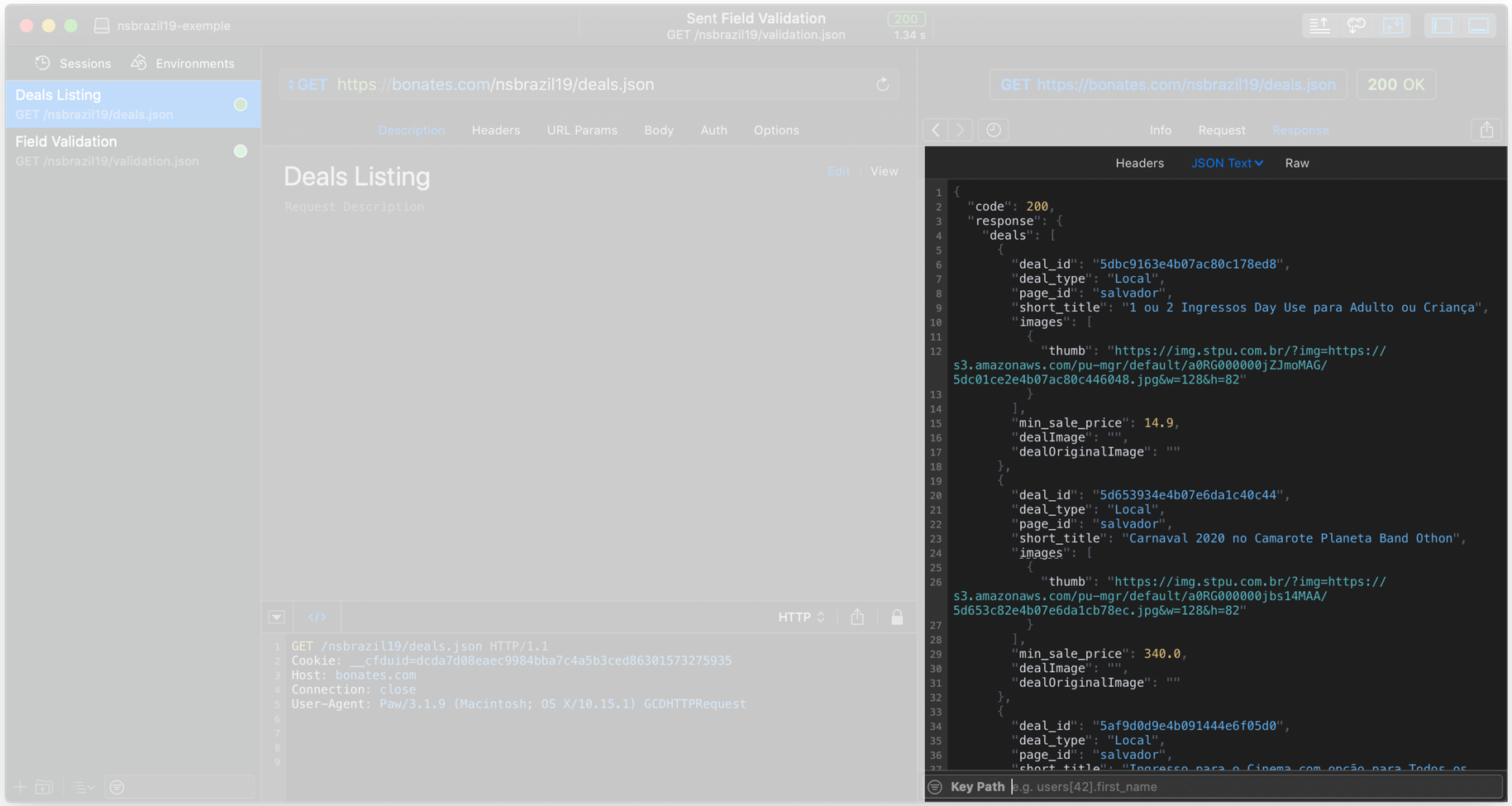
Paw

https://paw.cloud

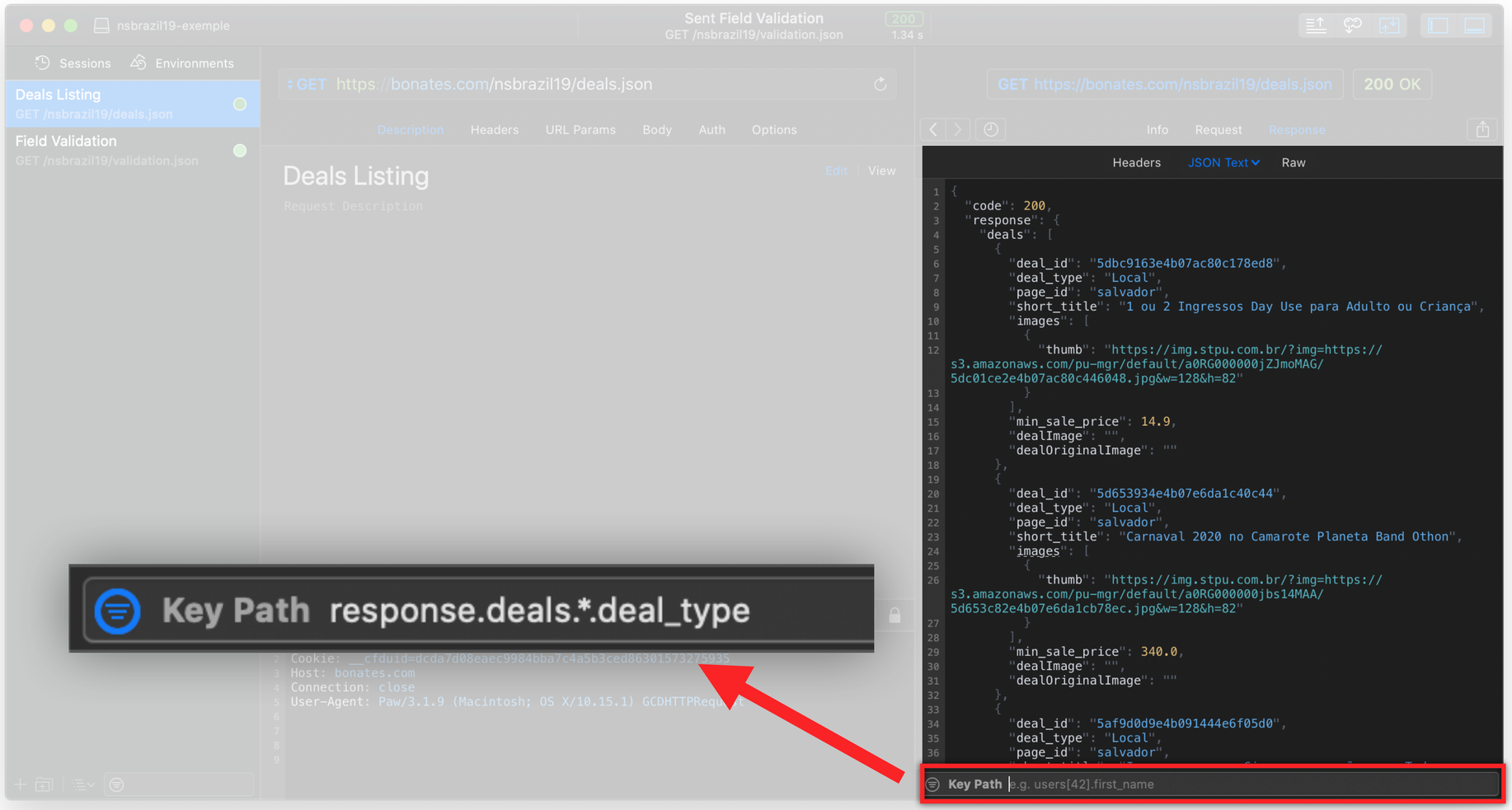
Paw Investigando resposta da API



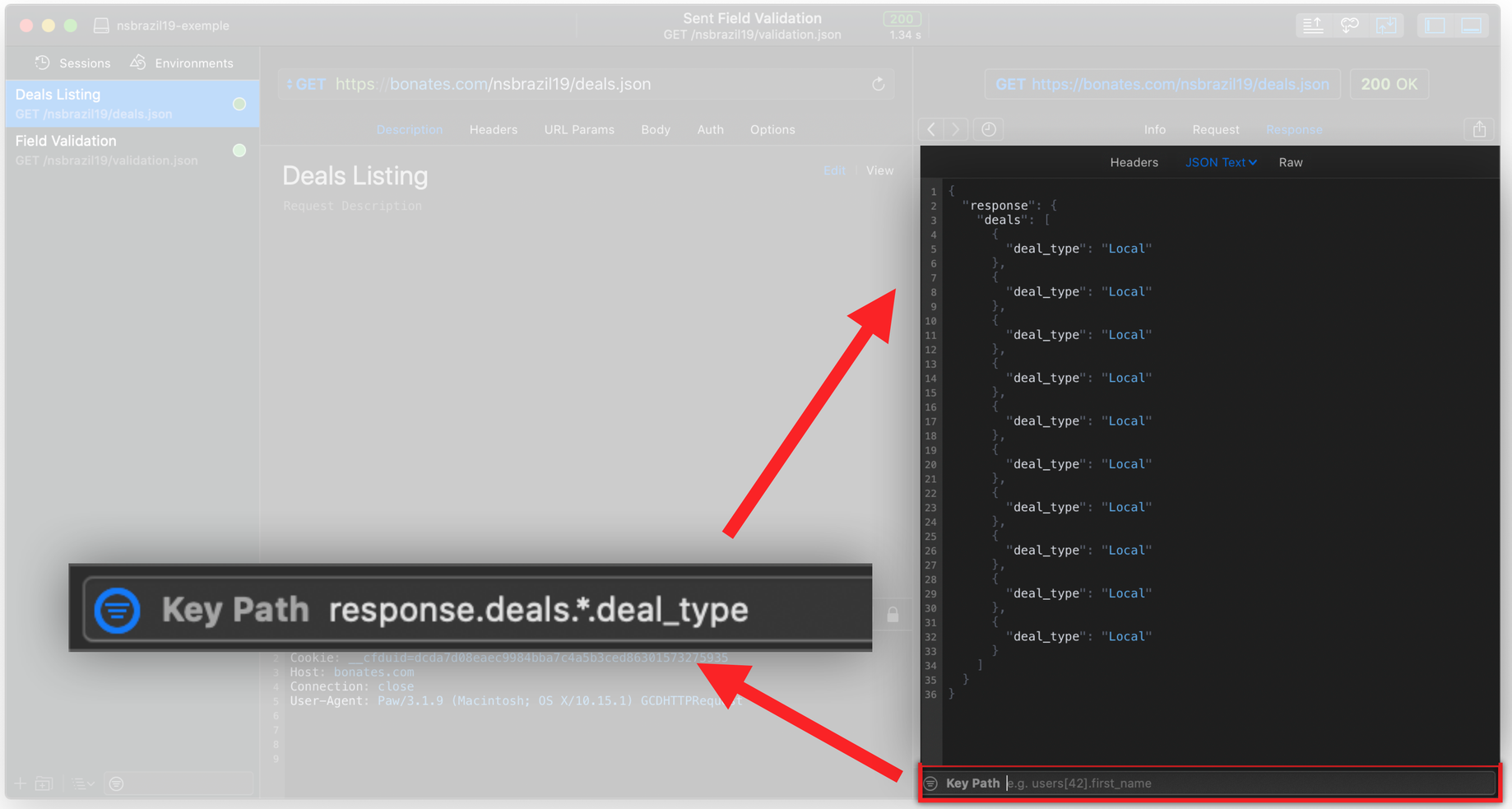
Paw Investigando resposta da API



Paw Investigando resposta da API



Paw Investigando resposta da API



Desafio 4 - Produto

Melhorando o report com imagens

Desafio 4 - Produto

Melhorando o report com imagens

https://www.ffmpeg.org/

```
brew install ffmpeg
```

FFMpeg

Fazendo mágica no tamanho dos videos

= 13MB

FFMpeg

Fazendo mágica no tamanho dos videos

🔗 link para o script no GitHub

```
# Compress video files while keep their quality
# Usage: compress video_file
# requires: ffmpeg
# tip: put this funcion on your ~/.profile file
compress() {
  sourcefile=$(basename "$1")
  filename="${sourcefile%.*}"
  ffmpeg -i ${sourcefile} -c:v libx264 -crf 24 -b:v 1M -c:a aac -strict -2 "${filename}"_compressed.mp4
}
```

FFMpeg

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}
```

13MB

ppay-scan-demo.mov

FFMpeg

Fazendo mágica no tamanho dos videos

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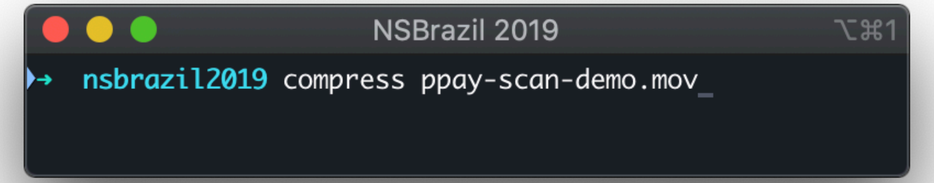
}
```

13MB

ppay-scan-demo.mov



FFMpeg

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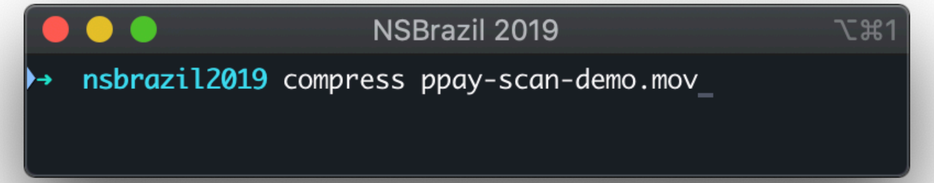
}
```

13MB

ppay-scan-demo.mov



1.2 MB

ppay-scan-demo_compressed.mp4

FFMpeg

Demos e provas em Gifs

🔗 link para o script no GitHub

```
# Convert video to gif file.
# Usage: video2gif video_file (scale) (fps)
# requires: ffmpeg
# tip: put this funcion on your ~/.profile file
video2gif() {
  sourcefile=$(basename "$1")
  filename="${sourcefile%.*}"
  ffmpeg -y -i "${1}" -vf fps=${3:-10},scale=${2:-320}:-1:flags=lanczos,
  palettegen "${filename}.png"
  ffmpeg -i "${1}" -i "${filename}.png" -filter_complex "fps=${3:-10},scale=$
  {2:-320}:-1:flags=lanczos[x];[x][1:v]paletteuse" "${filename}".gif
  rm "${filename}.png"
}
```

FFMpeg

Demos e provas em Gifs

🔗 link para o script no GitHub

```
# Convert video to gif file.
# Usage: video2gif video_file (scale) (fps)
# requires: ffmpeg
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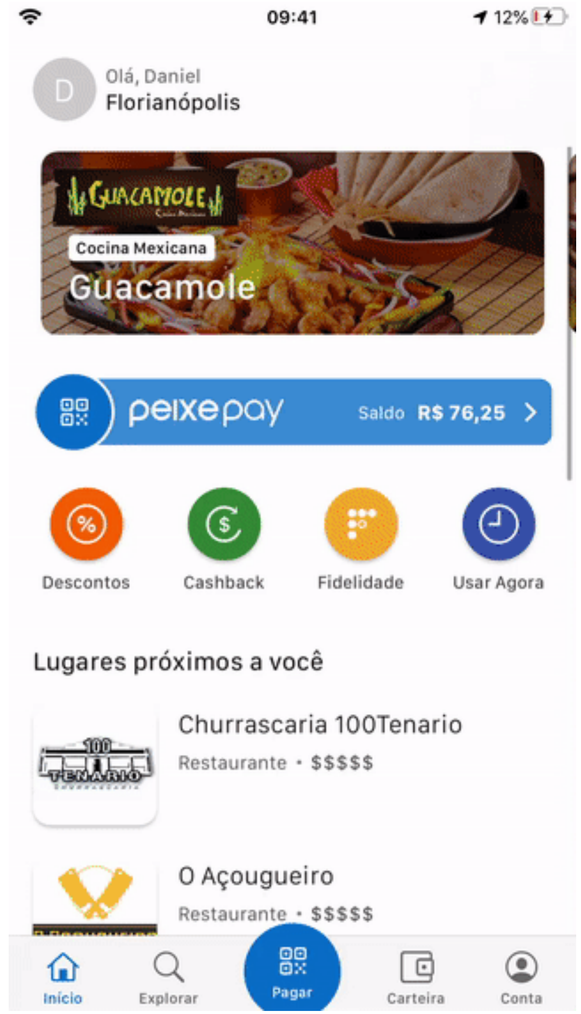
  palettegen "${filename}.png"
  ffmpeg -i "${1}" -i "${filename}.png" -filter_complex "fps=${3:-10},scale=$
  {2:-320}:-1:flags=lanczos[x];[x][1:v]paletteuse" "${filename}".gif
  rm "${filename}.png"
}
```

1.9 MB

ppay-scan-demo_compressed.gif



Desafio 5 - Find a bug

Usando o Git para encontrar a origem de um bug

Desafio 5 - Find a bug

Usando o Git para encontrar a origem de um bug

git bisect

Desafio 5 - Find a bug

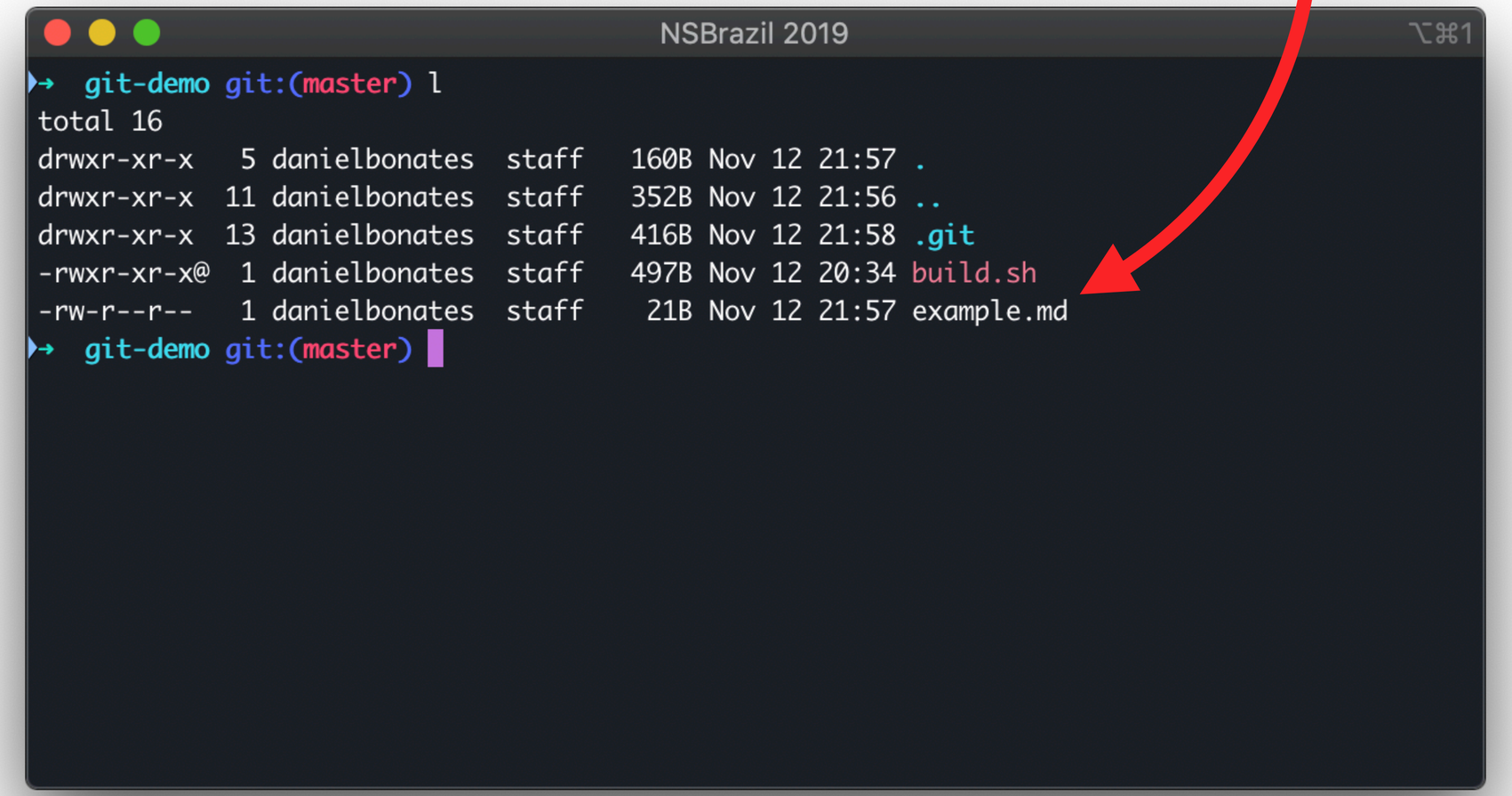
git bisect

Uso básico

```
git bisect start
git bisect bad HEAD
git bisect good cb79160
```

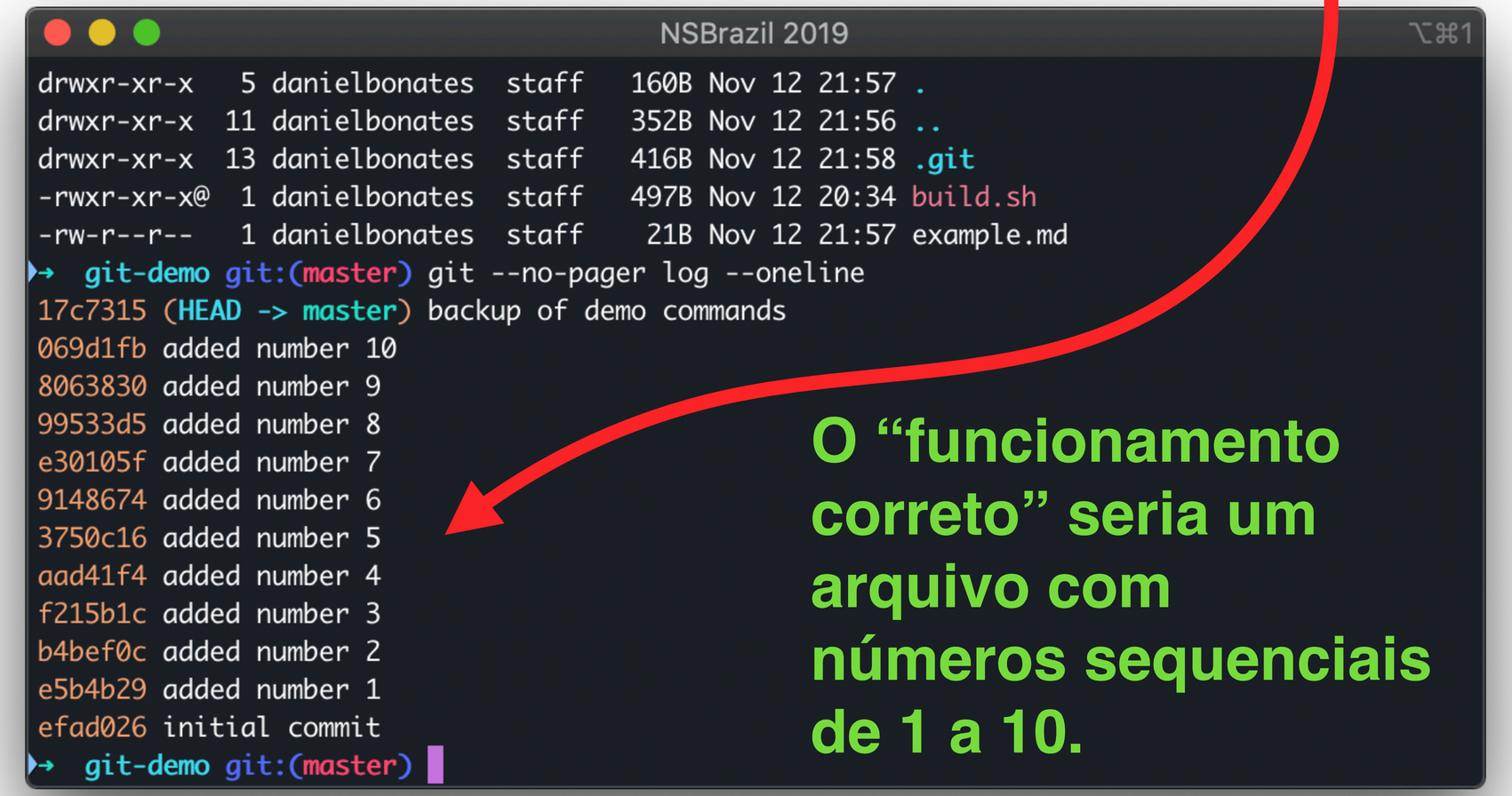
Git bisect

Esses são os arquivos do projeto



Git bisect

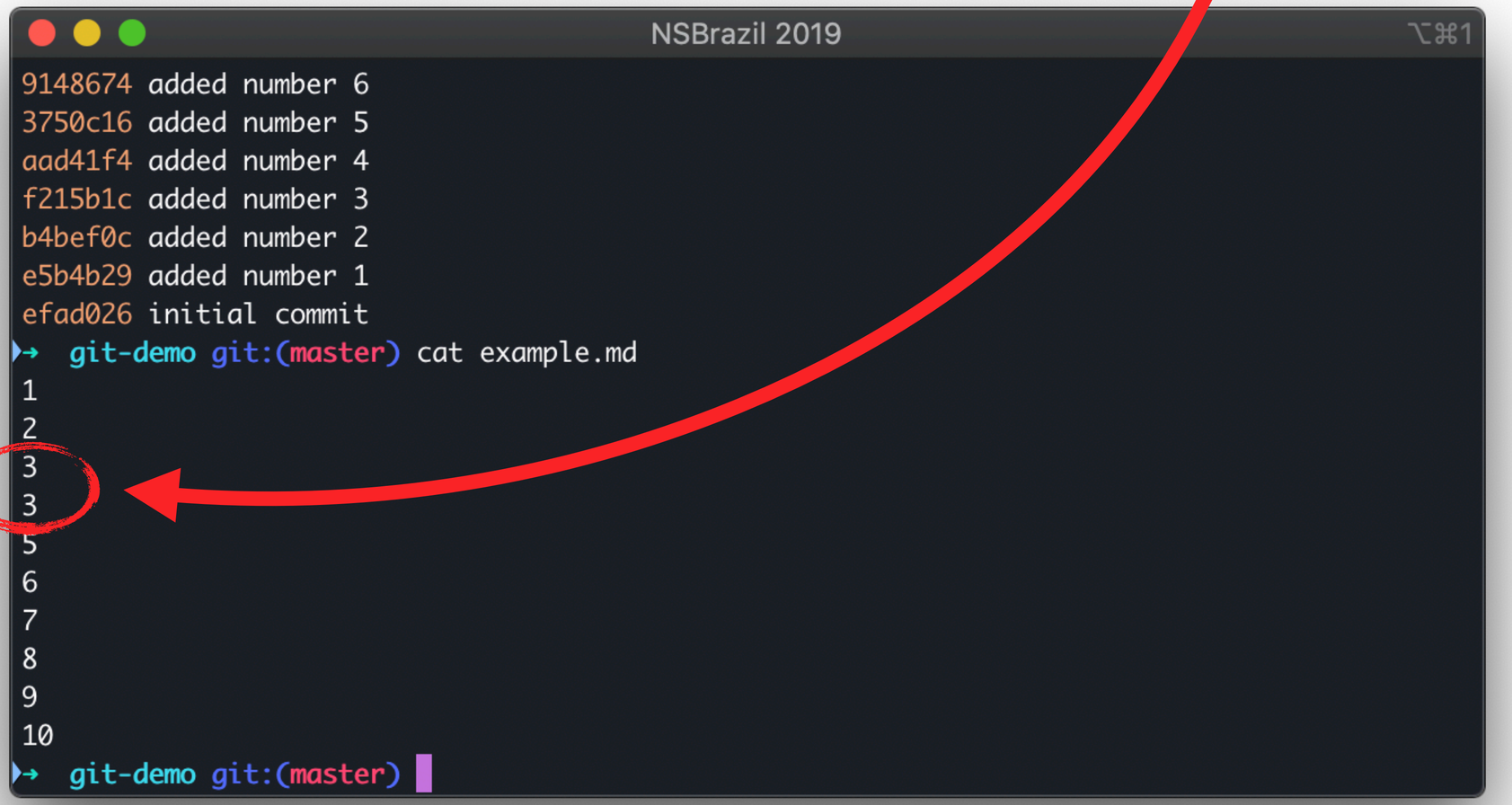
Listando os últimos commits



O “funcionamento correto” seria um arquivo com números sequenciais de 1 a 10.

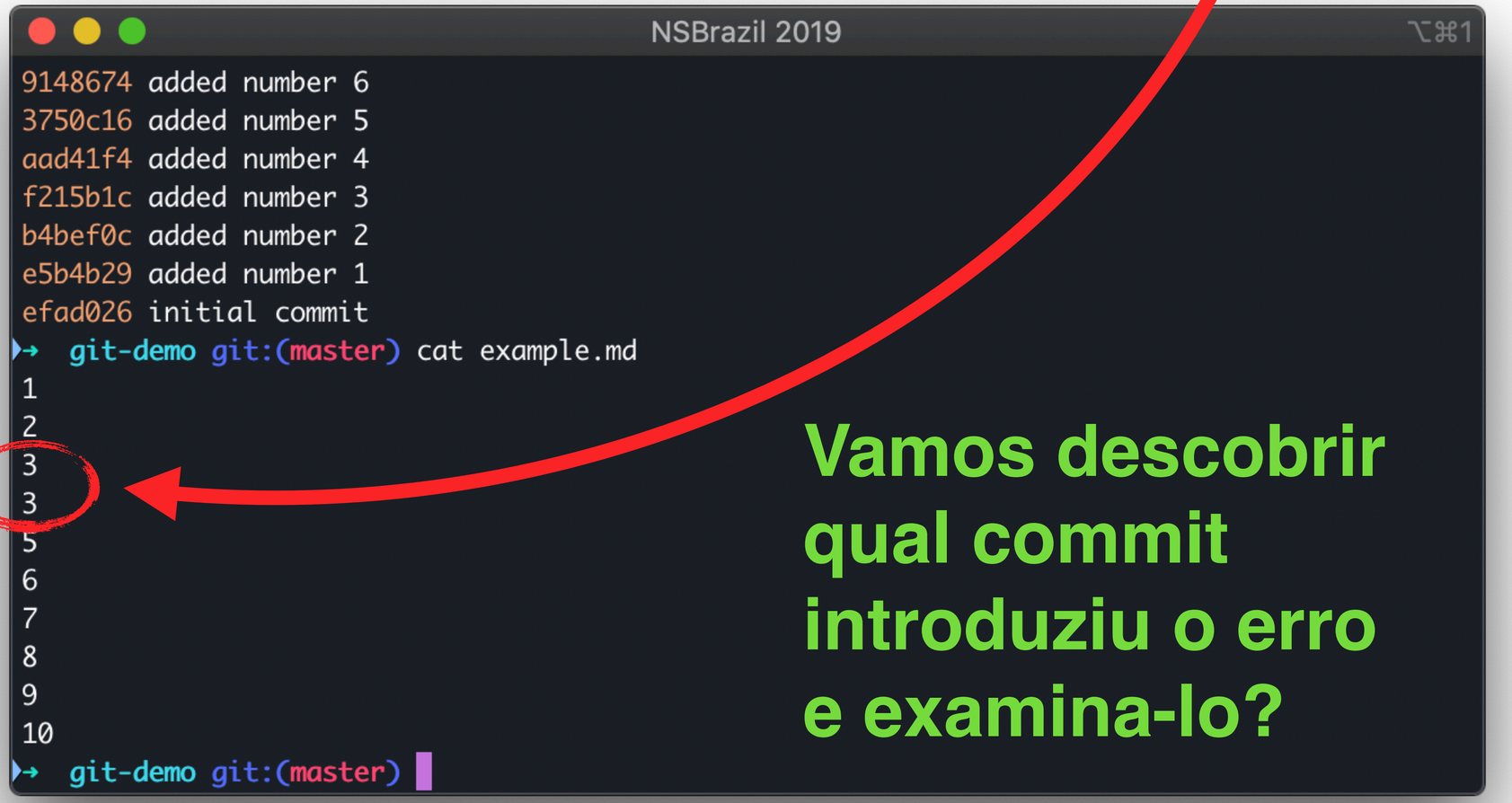
Git bisect

Examinando o arquivo example.md, encontramos um bug: o conteúdo repete o 3.



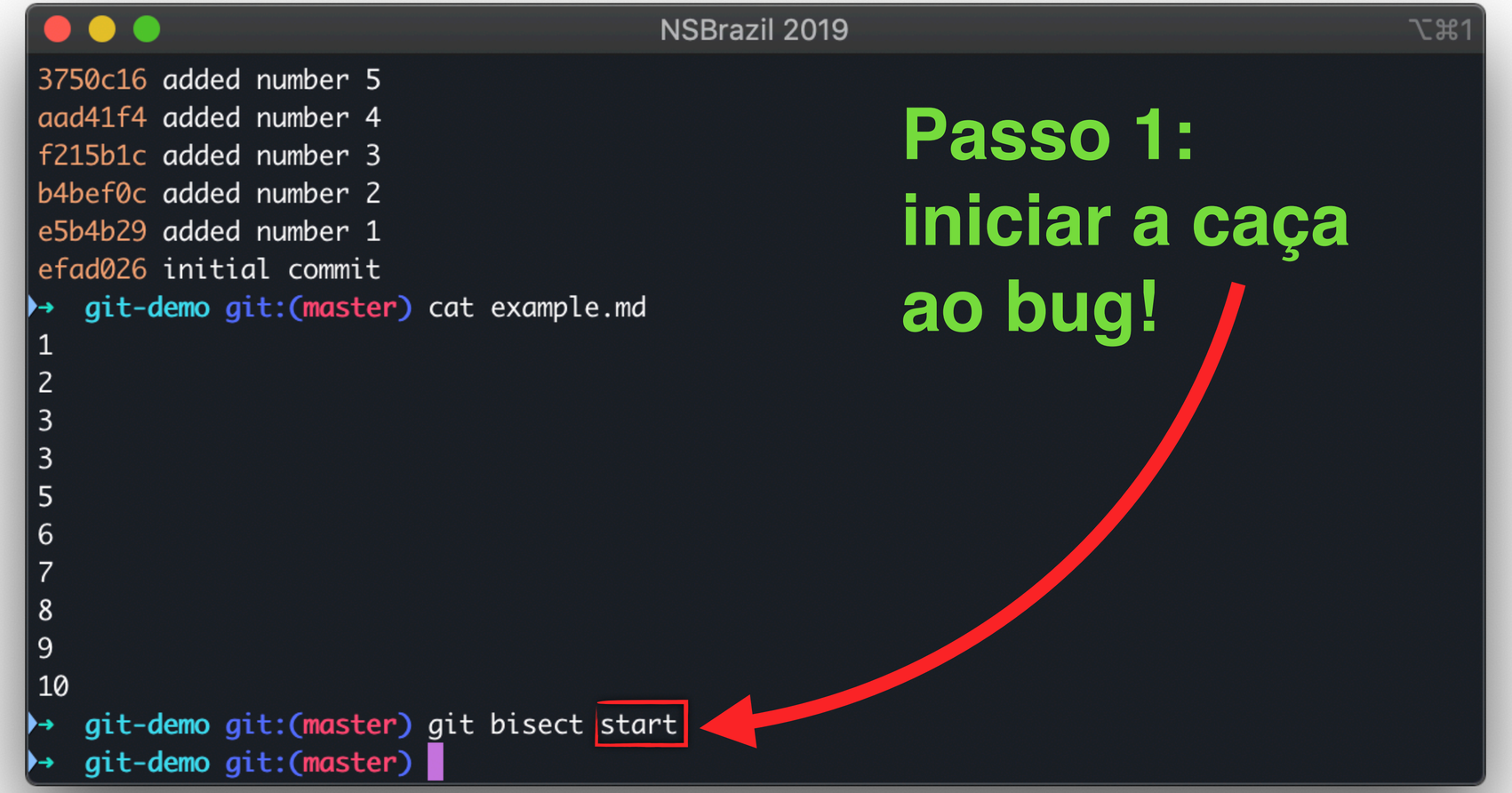
Git bisect

Examinando o arquivo example.md, encontramos um bug: o conteúdo repete o 3. Pense nisso como uma funcionalidade “quebrada”.

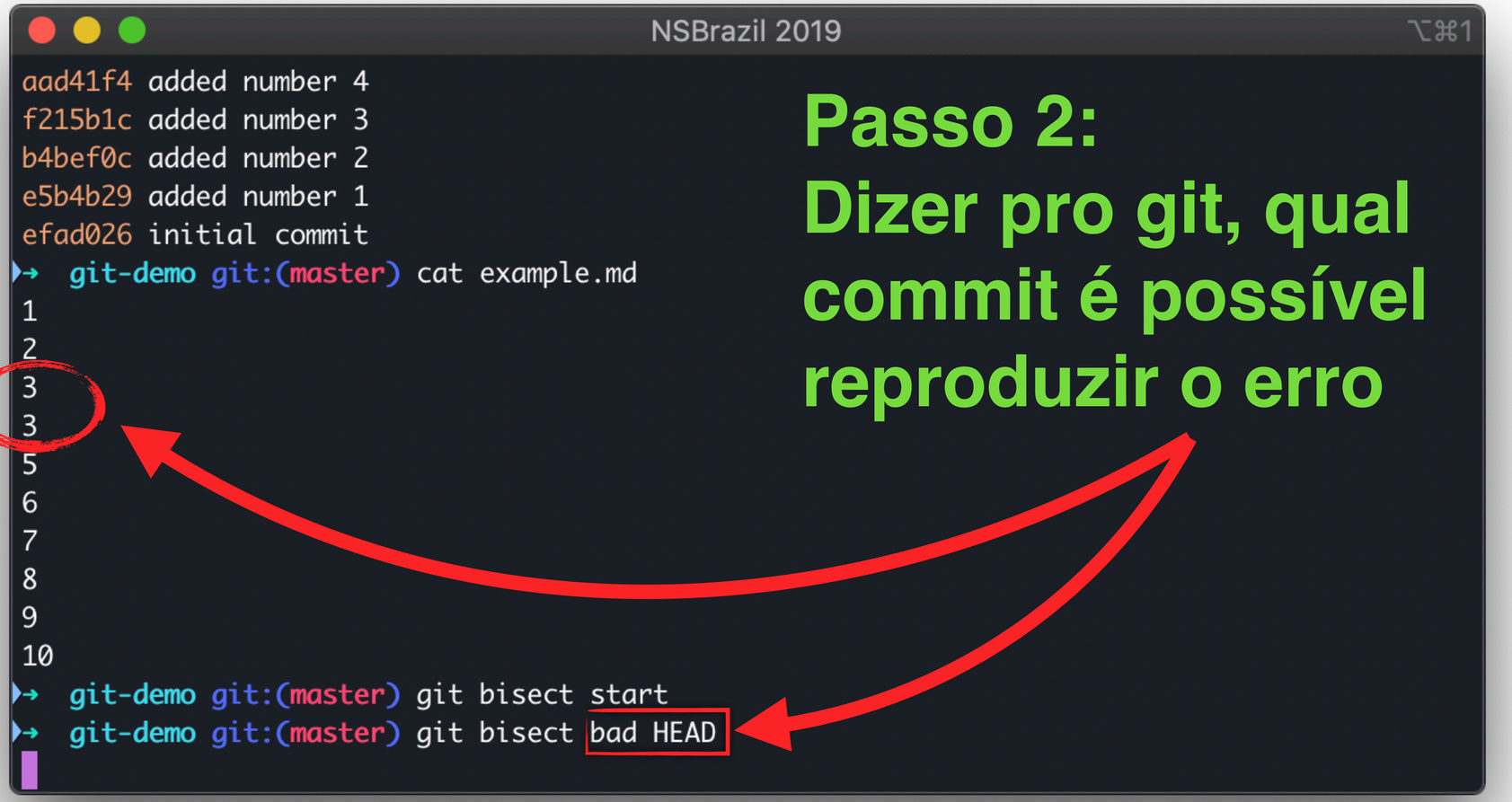


Vamos descobrir qual commit introduziu o erro e examina-lo?

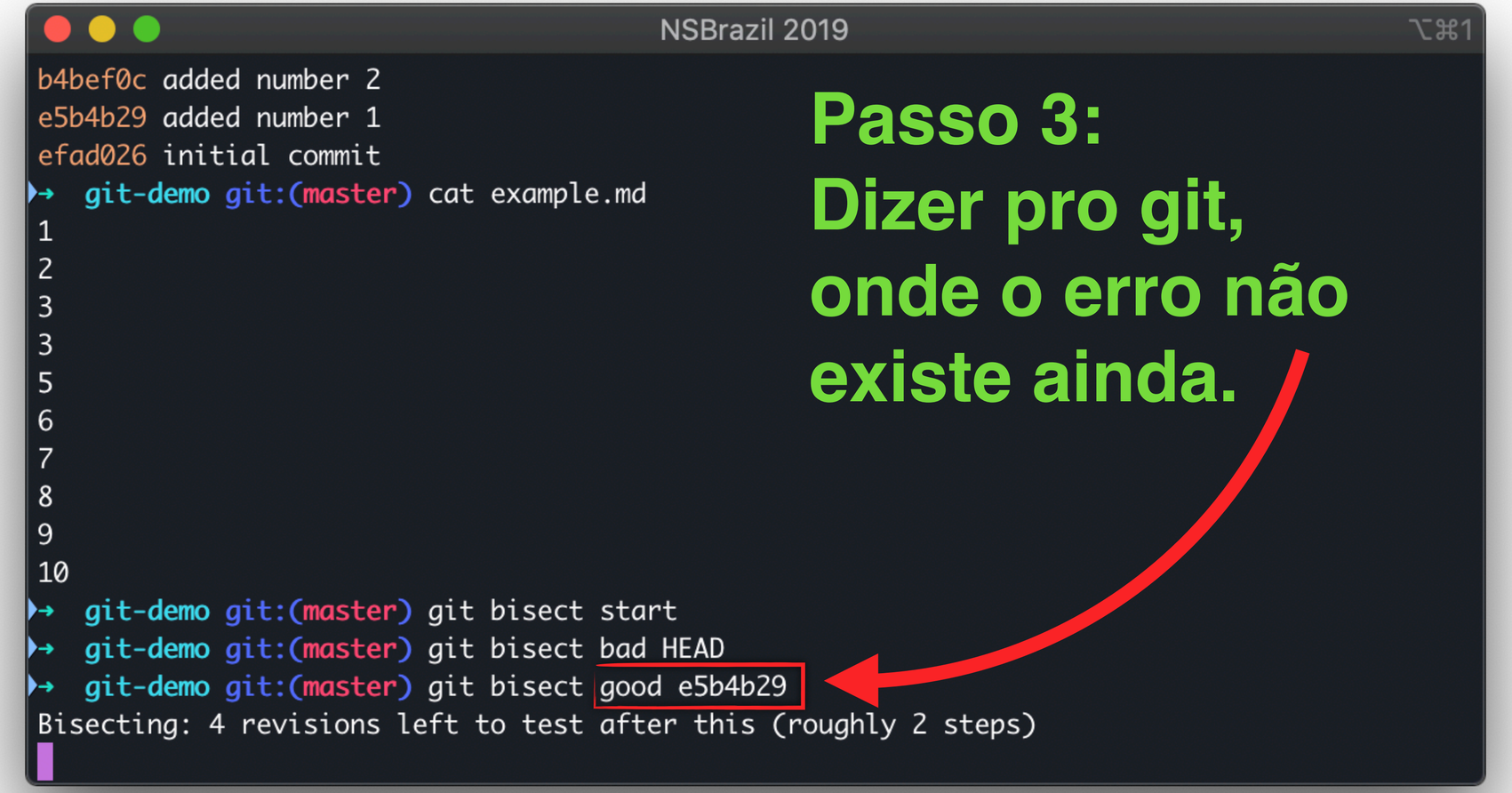
Git bisect


NSBrazil 2019
⌥⌘1
3750c16 added number 5
aad41f4 added number 4
f215b1c added number 3
b4bef0c added number 2
e5b4b29 added number 1
efad026 initial commit
→ git-demo git:(master) cat example.md
1
2
3
3
5
6
7
8
9
10
→ git-demo git:(master) git bisect start
→ git-demo git:(master)
Passo 1:
iniciar a caça
ao bug!

Git bisect

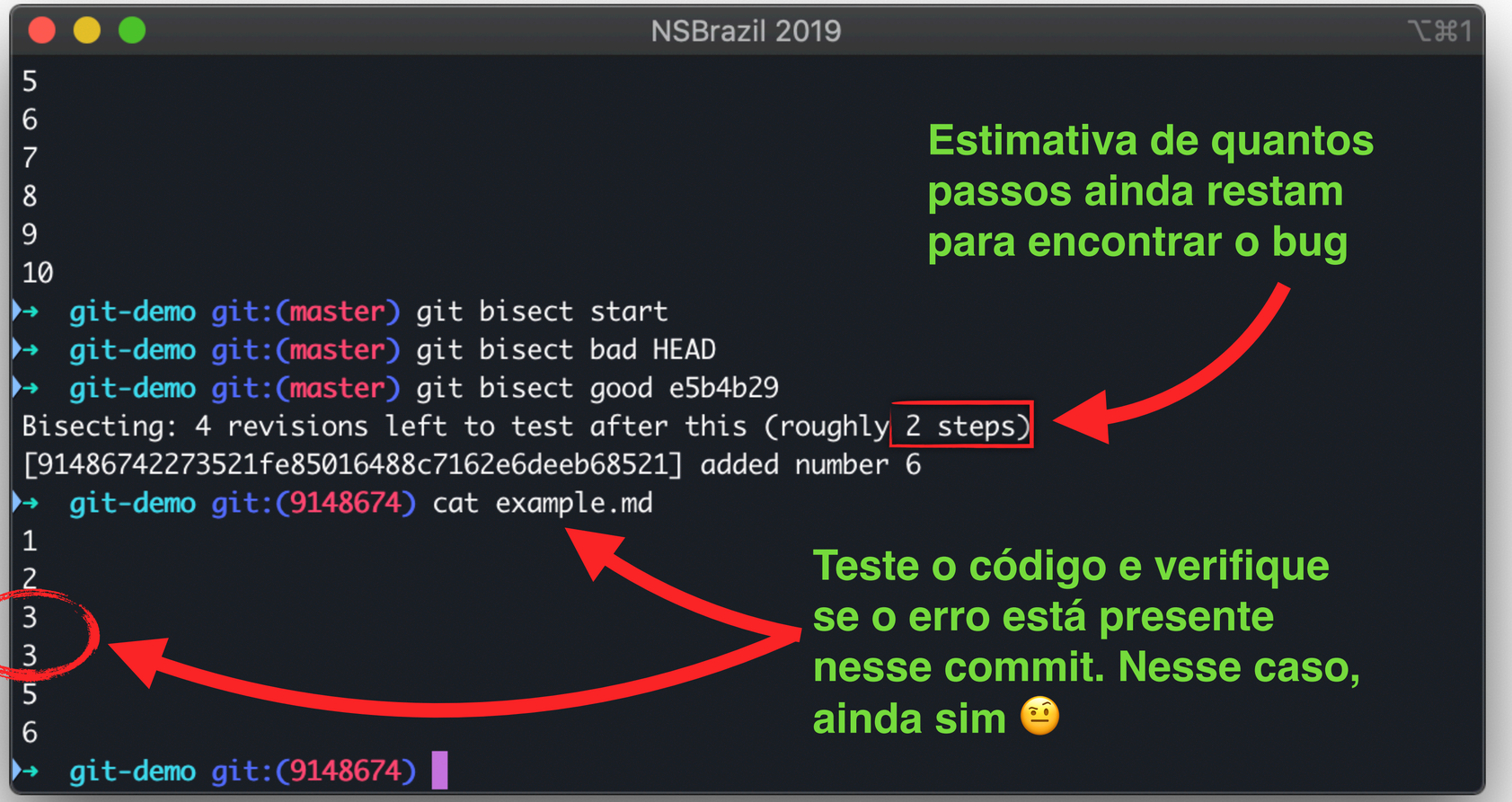

NSBrazil 2019
aad41f4 added number 4
f215b1c added number 3
b4bef0c added number 2
e5b4b29 added number 1
efad026 initial commit
→ git-demo git:(master) cat example.md
1
2
3
3
5
6
7
8
9
10
→ git-demo git:(master) git bisect start
→ git-demo git:(master) git bisect bad HEAD
Passo 2:
Dizer pro git, qual commit é possível reproduzir o erro

Git bisect


NSBrazil 2019
⌥⌘1
b4bef0c added number 2
e5b4b29 added number 1
efad026 initial commit
→ git-demo git:(master) cat example.md
1
2
3
3
5
6
7
8
9
10
→ git-demo git:(master) git bisect start
→ git-demo git:(master) git bisect bad HEAD
→ git-demo git:(master) git bisect good e5b4b29
Bisecting: 4 revisions left to test after this (roughly 2 steps)
Passo 3:
Dizer pro git,
onde o erro não
existe ainda.

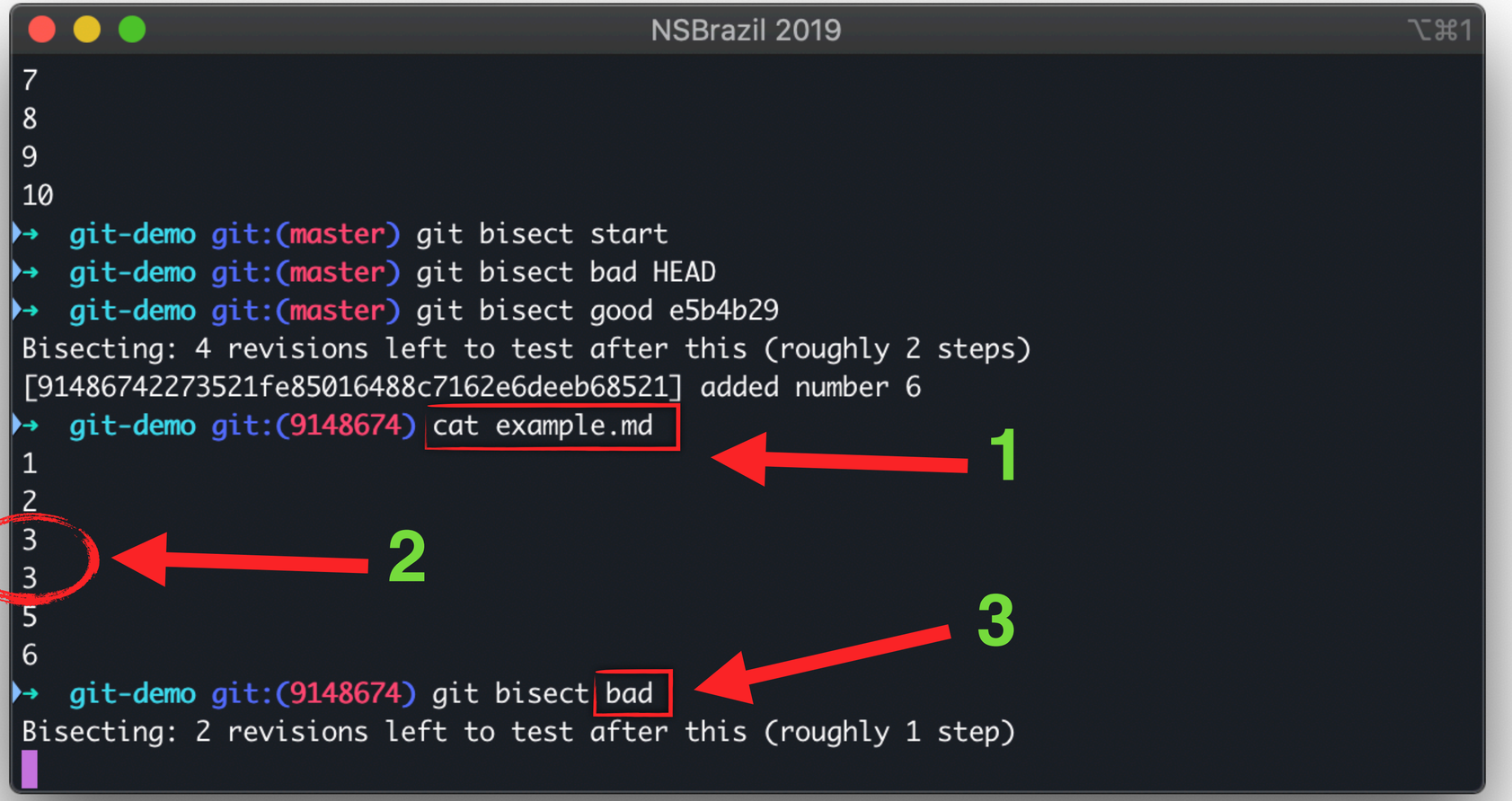
Git bisect

A partir daí, o git vai te mover na timeline de commits, buscando o commit assassino!



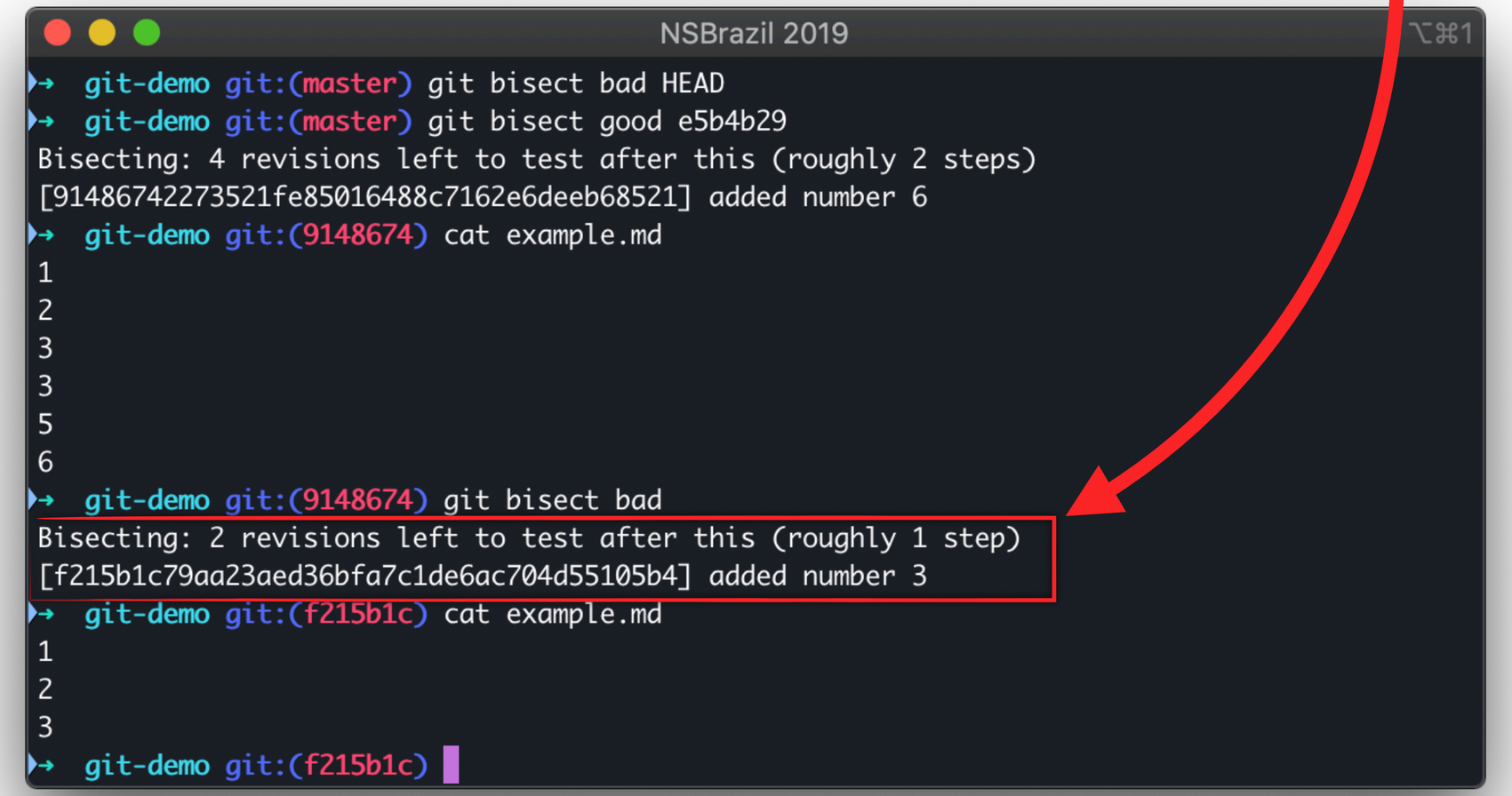
Git bisect

Testamos o commit (1) verificamos que o erro existe (2), marcamos esse passo como bad (3).



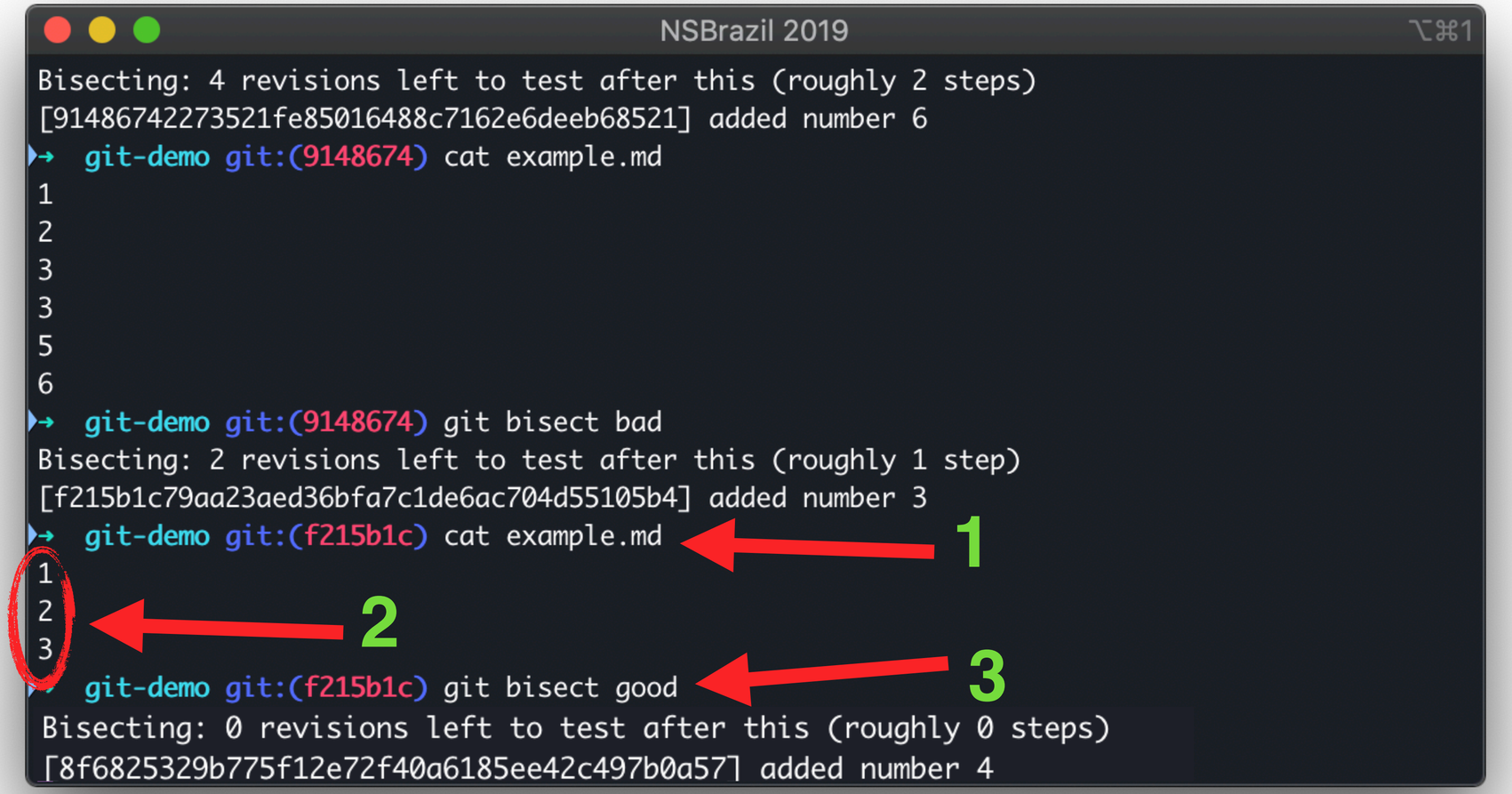
Git bisect

O Git vai seguir a busca e te mover pro próximo commit a ser investigado



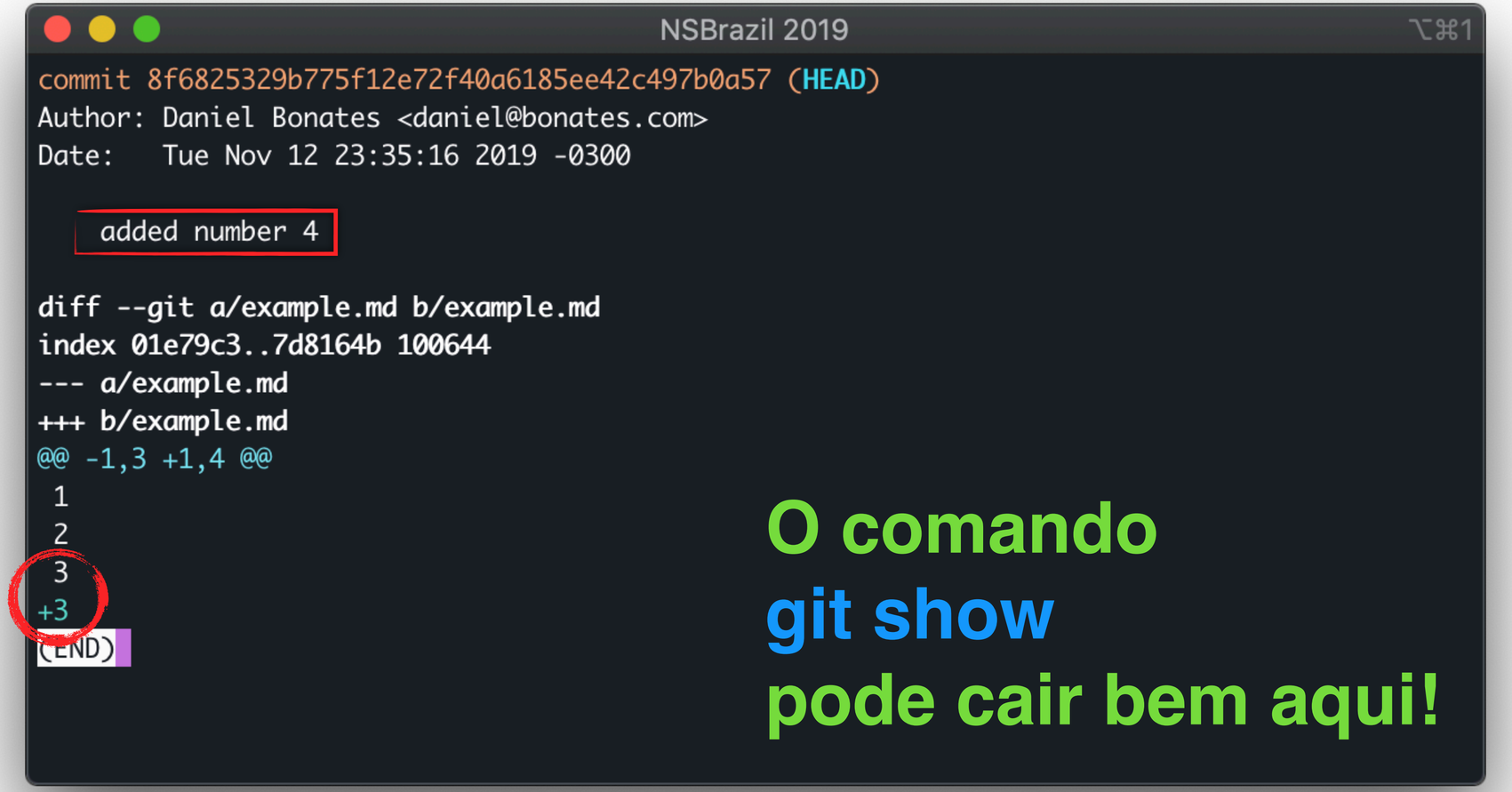
Git bisect

Nesse commit, ao testar o código (1) verificamos que o erro não ocorre (2), marcamos ele como good (3)!



Git bisect

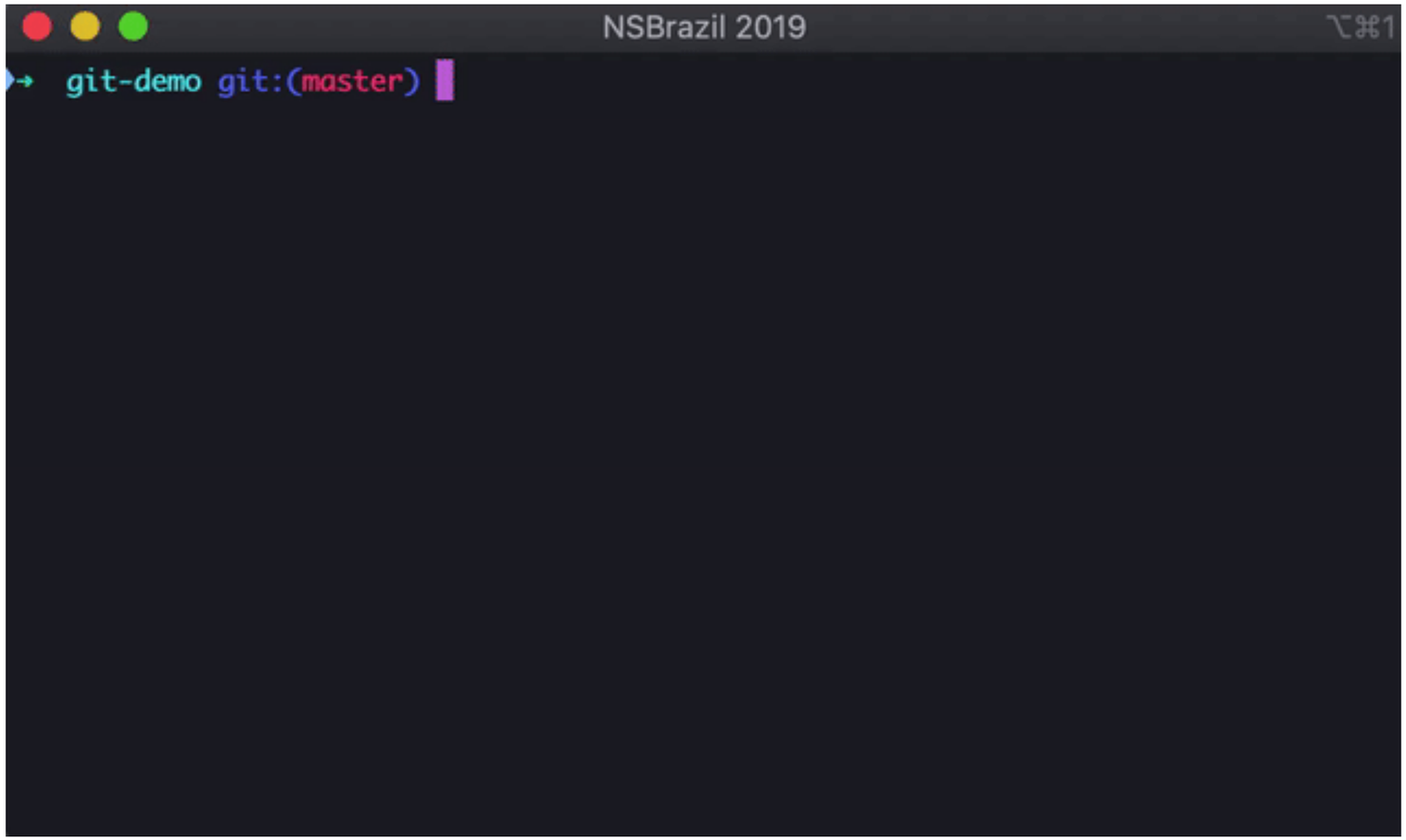
Pronto! Praticamente apenas digitando bad e good, chegamos no commit com problema. Nele podemos conferir com mais detalhes as mudanças que introduziram o bug.



O comando
git show
pode cair bem aqui!

Git bisect

Demo do fluxo completo



🔗 visualizar no browser

Thank you!


@DanielBonates


@bonates


@dbonates

#vem-pro-peixe