





**KEEP CALM & USE FUNCTION**

**SCRIPTS AND DE**

```
const face = (d:Direction) : Command => ({kind: "Face", direction: d})
const start = () : Command => ({kind: "Start"})
const stop_ = () : Command => ({kind: "Stop"})
const chain = (first: Command, second: Command) : Command => ({kind: "Chain", first, second})

const pipe = (first: Command, ...rest: Array<Command>) : Command =>
  rest.length > 0
  ? chain(first, pipe(rest[0], ...rest.slice(1)))
  : first
```









MAGNÉT-QUALITÄT S-THOMAS & SÖHN

```
const moveWestNorth = pipe(  
  face("West"),  
  start(),  
  stop_(),  
  face("North"),  
  start(),  
  stop_()  
)
```

# SCRIPT DE COMMANDE

KEEP CALM & USE FUNCTIONS 

```
const face = (d: Direction) : Command => ({kind: "Face", direction: d})
const start = () : Command => ({kind: "Start"})
const stop_ = () : Command => ({kind: "Stop"})
const chain = (first: Command, second: Command) : Command => ({kind: "Chain", first, second})

const pipe = (first: Command, ...rest: Array<Command>) : Command =>
  rest.length > 0
  ? chain(first, pipe(rest[0], ...rest.slice(1)))
  : first
```

```
const moveWestNorth = pipe(
  face("West"),
  start(),
  stop_(),
  face("North"),
  start(),
  stop_()
)
```

# PIPE OPERATION

## REMINDER

Beaucoup de langages utilisent l'opérateur infix `|>` pour la fonction pipe

```
pipe(x, foo) = x |> foo = foo(x)
```

Il existe une proposition TC39 en stage 2 pour JavaScript <https://github.com/tc39/proposal-pipeline-operator>

Stage 2 étant encore incertain, je préfère utiliser la fonction pipe en JS/TS, nous utiliserons l'implémentation de la librairie fp-ts. Mais vous pouvez utiliser `|>` avec un polyfill.