

# TYPESCRIPT'S POWER LEVEL?



# IT'S OVER 9000!!!



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# Grundlegende Syntax

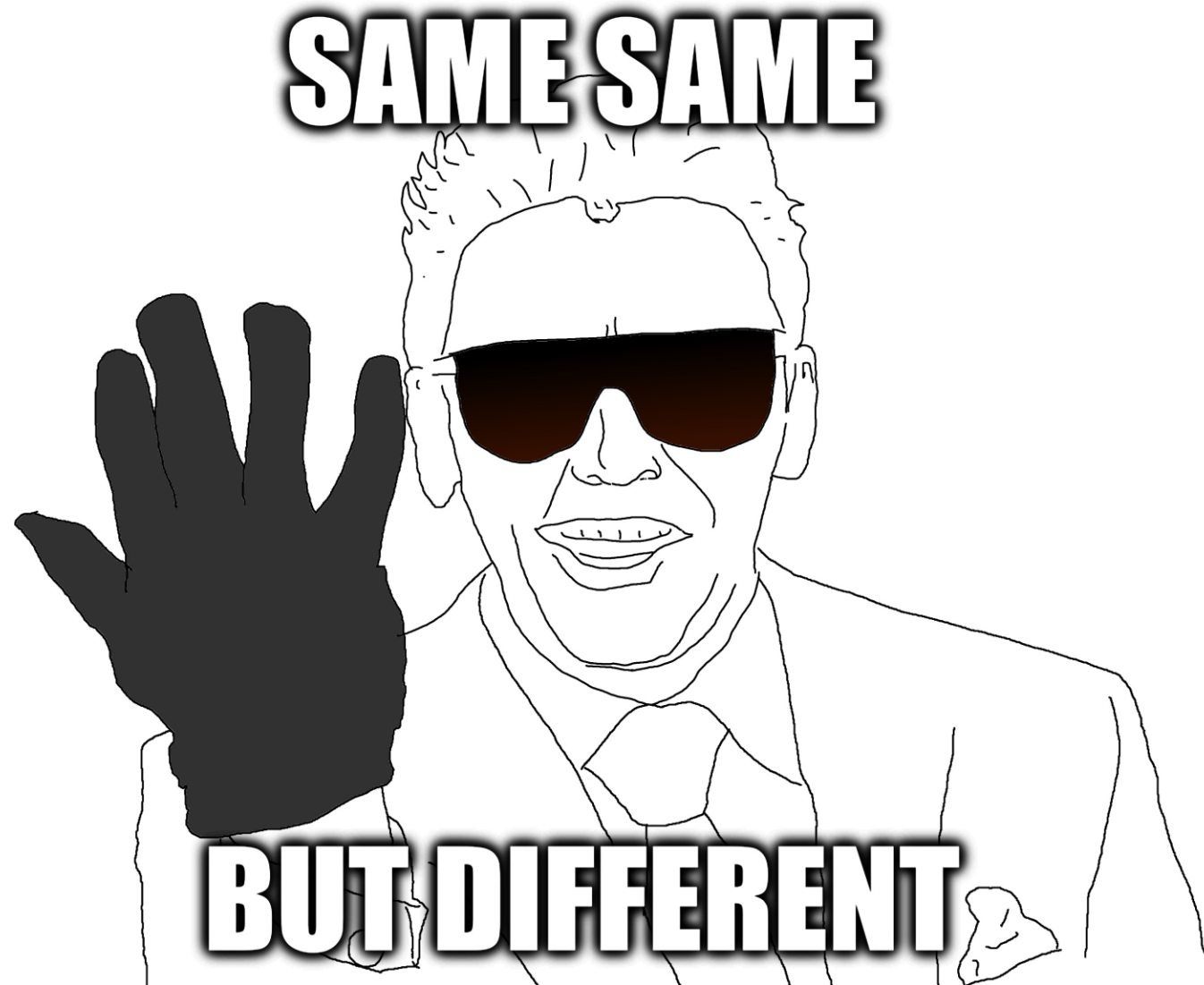




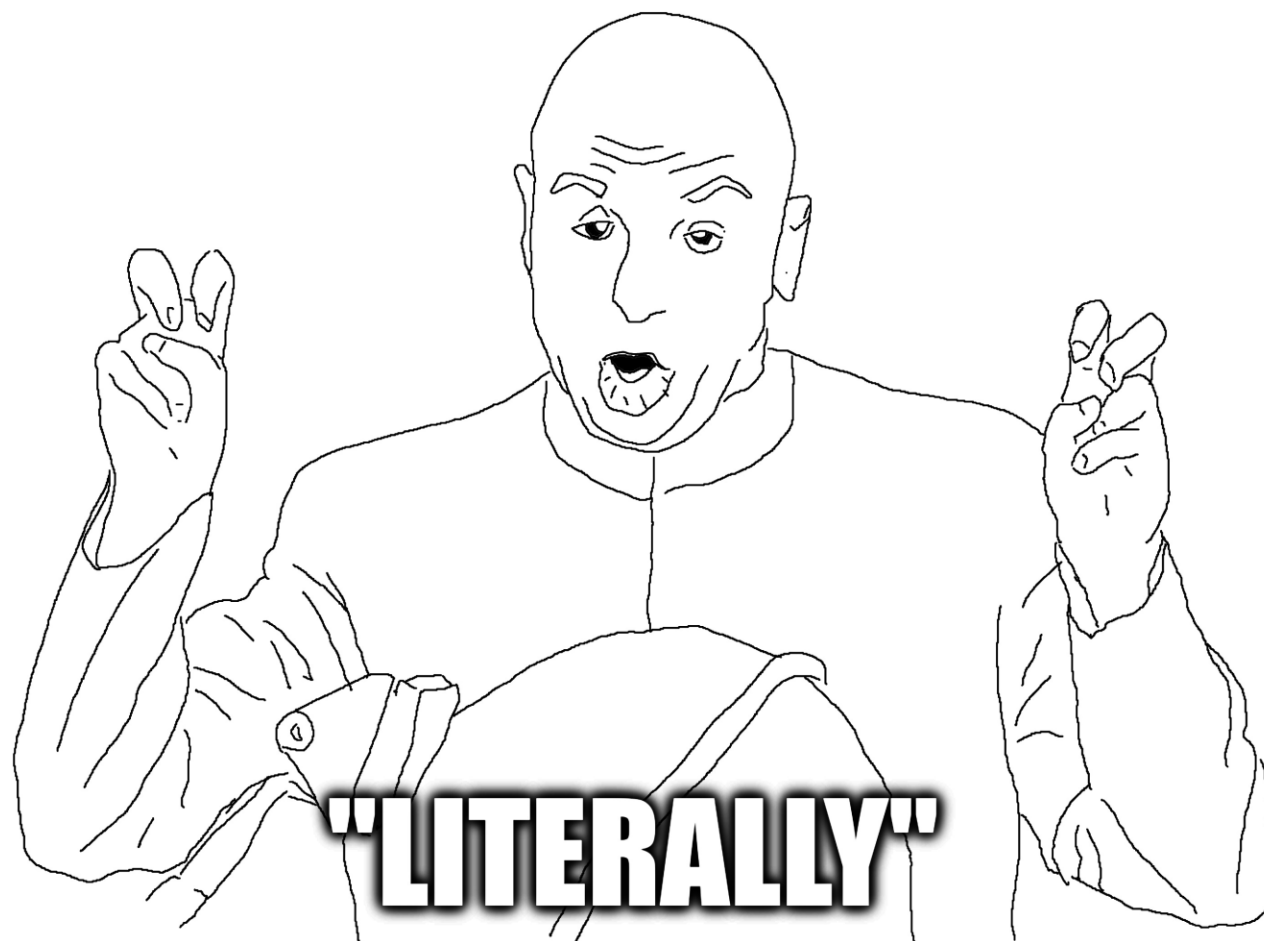
"Wer **any** benutzt,  
hat die Kontrolle über  
sein Leben verloren."

**Karl Lagerfeld**

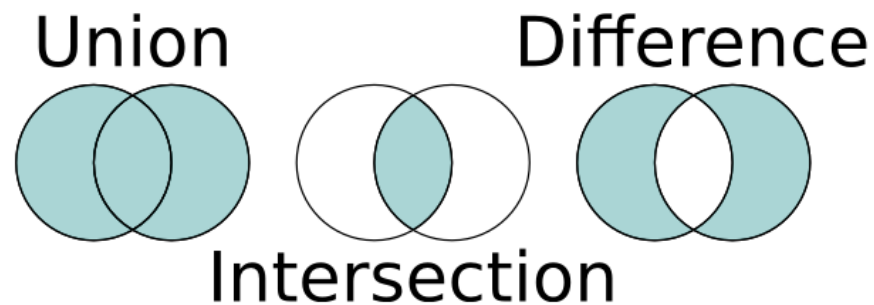
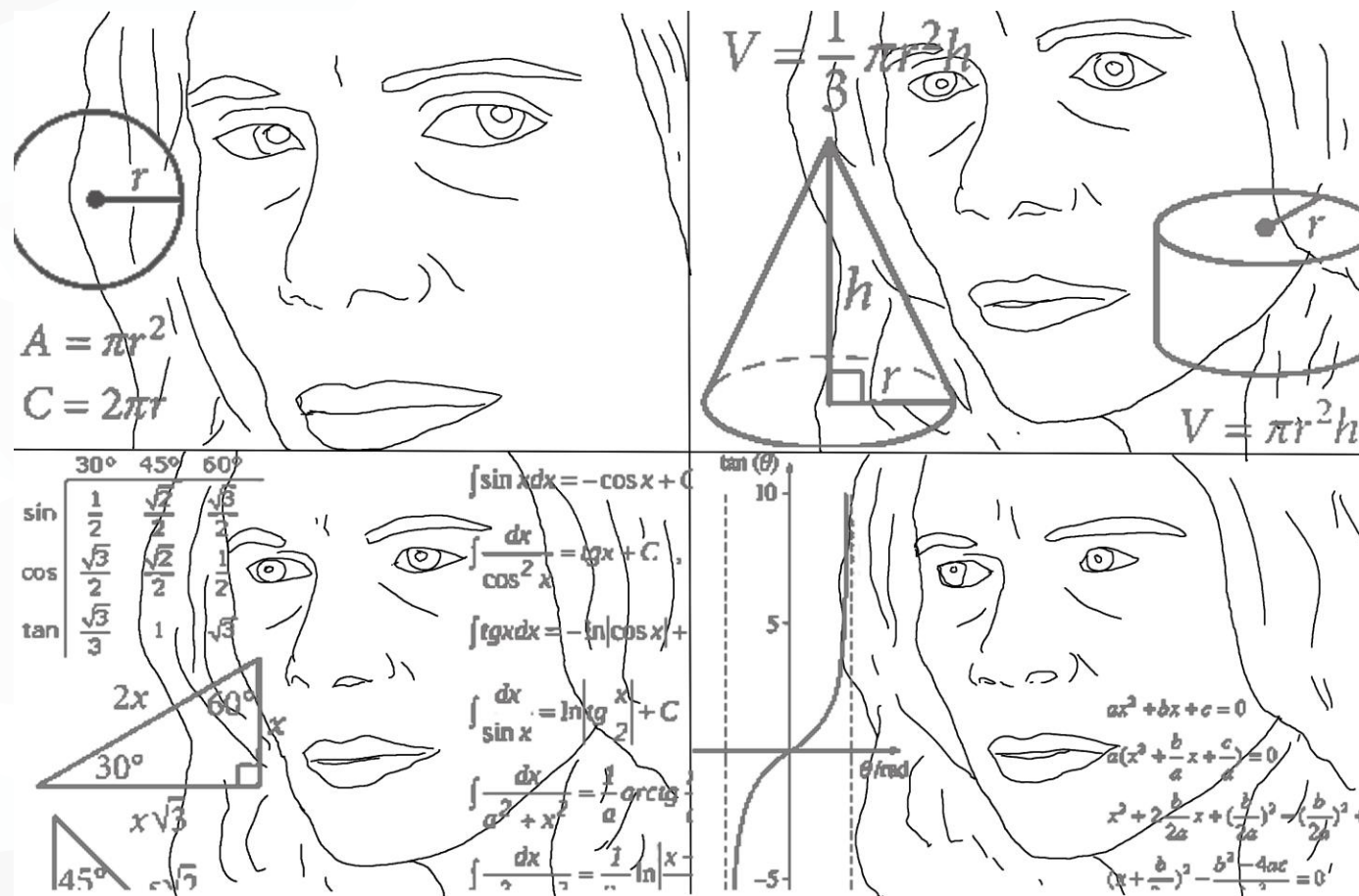
\*1933 †2019



# Literal Types



# Union Types



# Template Literal Types

```
type MyType = 'Hello World'
```

What? string literal  
type is evolving!

```
type MyType = `Hello ${string}`
```

Congratulations! Your string literal type  
evolved into template literal type!



# Utility Types



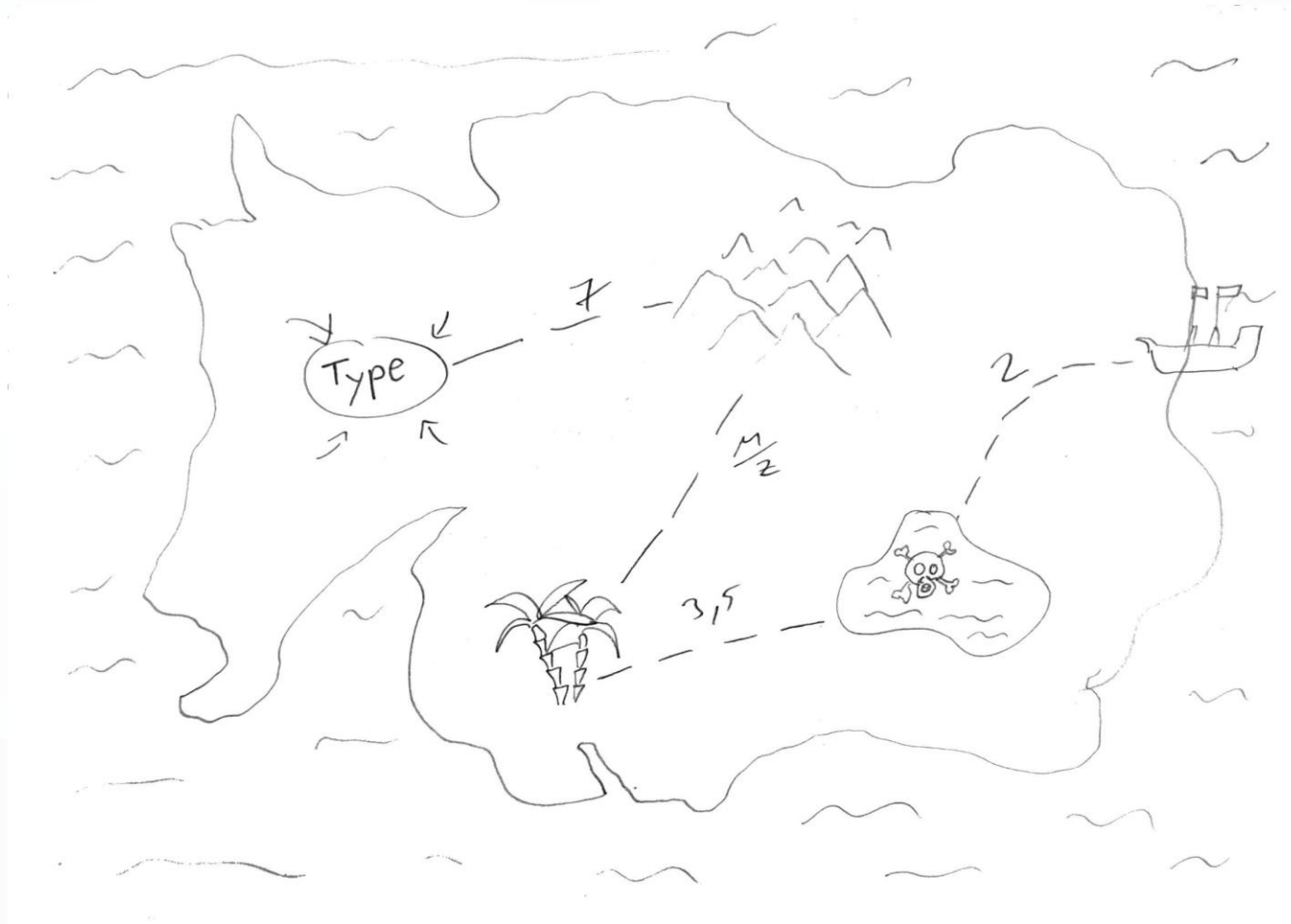
Quelle: <https://www.amazon.de/Wenger-Schweizer-Offiziersmesser-Messer-Schatulle/dp/B000R0JDSI>



# Generic Types und Conditional Types



# Mapped Types



# Ausblick

Intersection Types

Inferred Types bei  
Conditional Types

never

Type Guards

Mutators bei  
Mapped Types

TypeScript  
Compiler API



# Vielen Dank

## Nützliche Links:

- TypeScript Handbook: <https://www.typescriptlang.org/docs/handbook/intro.html>
- Type Challenges: <https://github.com/type-challenges/type-challenges>
- Weitere Type-Aufgaben: [https://github.com/andrena/typescript\\_workshop/tree/no\\_solutions](https://github.com/andrena/typescript_workshop/tree/no_solutions)
- Tic-Tac-Toe auf Typ-Ebene implementiert: <https://note89.github.io/typescript-typelevel-tic-tac-toe/>
- Diese Folien und das Ergebnis des Live-Codings: [https://github.com/andrena/typescript\\_folien](https://github.com/andrena/typescript_folien)

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