

# Scala type computation

## Scala type computation

- ▶ Anonymous type functions:

```
(({type F[A] = Either[A, String]}))#F
```

- ▶ Case distinction performed with type members:

```
sealed trait Nat { type Plus[N<:Nat] <: Nat }  
trait Zero extends Nat {  
  type Plus[N <: Nat] = N  
}  
trait Succ[N <: Nat] extends Nat {  
  type Plus[M <: Nat] = Succ[N#Plus[M]]  
}
```

- ▶ We can even define a general type-level fold!