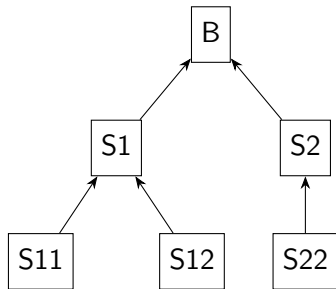


Vererbungshierarchie



Aufrufstelle

f(S11 , S2, B)

Overload Set

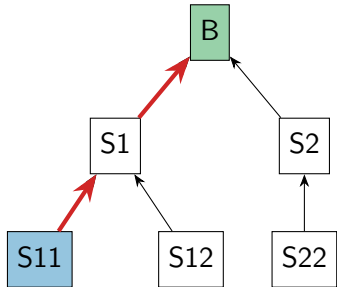
f(B , B , B)

f(S11 , B , int)

f(S11 , B , B)

Malus

Vererbungshierarchie



Aufrufstelle

f(S11, S2, B)

Overload Set

f(B, B, B)

↓ ↓ ↓
2 1 0

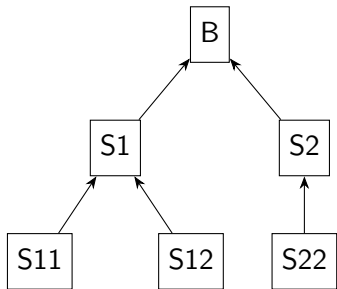
⇒ $\Sigma = 3$

f(S11, B, int)

f(S11, B, B)

Malus

Vererbungshierarchie



Aufrufstelle

f(S11 , S2, B)

Overload Set

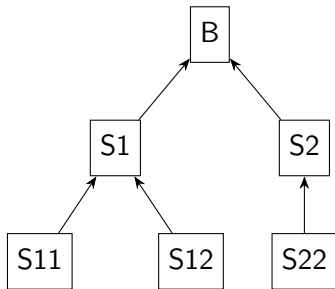
f(B , B , B)
 ↓ ↓ ↓
 2 1 0 $\Rightarrow \Sigma = 3$

f(S11 , B , int)

f(S11 , B , B)

Malus

Vererbungshierarchie



Aufrufstelle

f(S11 , S2, B)

Overload Set

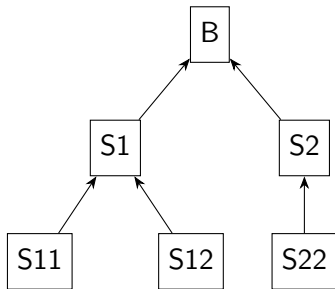
f(B , B , B)
↓ ↓ ↓
2 1 0 $\Rightarrow \Sigma = 3$

f(S11 , B , int)
↓ ↓ ↓
0 1 ∞ $\Rightarrow \Sigma = \infty$

f(S11 , B , B)

Malus

Vererbungshierarchie



Aufrufstelle

f(S11 , S2, B)

Overload Set

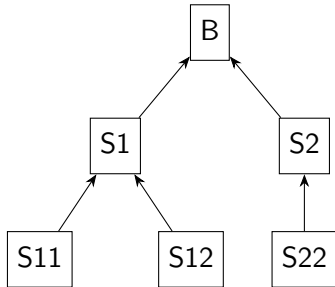
f(B , B , B)
 ↓ ↓ ↓
 2 1 0 $\Rightarrow \Sigma = 3$

f(S11 , B , int)
 ↓ ↓ ↓
 0 1 ∞ $\Rightarrow \Sigma = \infty$

f(S11 , B , B)

Malus

Vererbungshierarchie



Aufrufstelle

f(S11 , S2, B)

Overload Set

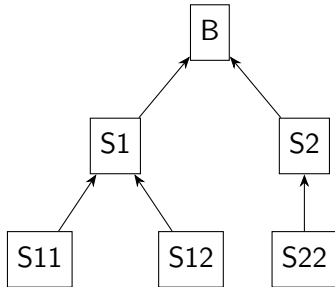
Malus

$$f(\begin{array}{c} \boxed{B} \\ \downarrow \\ 2 \end{array}, \begin{array}{c} \boxed{B} \\ \downarrow \\ 1 \end{array}, \begin{array}{c} \boxed{B} \\ \downarrow \\ 0 \end{array}) \Rightarrow \Sigma = 3$$

$$f(\begin{array}{c} \boxed{S11} \\ \downarrow \\ 0 \end{array}, \begin{array}{c} \boxed{B} \\ \downarrow \\ 1 \end{array}, \begin{array}{c} \boxed{\text{int}} \\ \downarrow \\ \infty \end{array}) \Rightarrow \Sigma = \infty$$

$$f(\begin{array}{c} \boxed{S11} \\ \downarrow \\ 0 \end{array}, \begin{array}{c} \boxed{B} \\ \downarrow \\ 1 \end{array}, \begin{array}{c} \boxed{B} \\ \downarrow \\ 0 \end{array}) \Rightarrow \Sigma = 1$$

Vererbungshierarchie



Aufrufstelle

f(S11 , S2 , B)

Overload Set

f(B , B , B)
↓ ↓ ↓
2 1 0 $\Rightarrow \Sigma = 3$

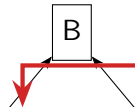
f(S11 , B , int)
↓ ↓ ↓
0 1 ∞ $\Rightarrow \Sigma = \infty$

f(S11 , B , B)
↓ ↓ ↓
0 1 0 $\Rightarrow \Sigma = 1$

Malus



Vererbungshierarchie



Wenn zwei Funktionen den gleichen Malus haben, so wirft der Übersetzer einen Fehler.

S11

S12

S22

Aufrufstelle

f(S11 , S2, B)

Overload Set

f(S1 , S2 , B)

↓

1

↓

0

↓

0

$$\Rightarrow \Sigma = 1$$

f(S11 , B , int)

↓

0

↓

1

↓

∞

$$\Rightarrow \Sigma = \infty$$

f(S11 , B , B)

↓

0

↓

1

↓

0

$$\Rightarrow \Sigma = 1$$