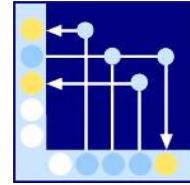




Hochschule Aalen

*Fakultät Elektronik und Informatik
Studienbereich Informatik*



Advanced Programming with MOSTflexiPL

Lecture in Wintersemester 2025/2026

Prof. Dr. habil. Christian Heinlein

7. Task Sheet (Dezember 16, 2025)

Task 13: Implicit Parameters

Subtask 13.a)

Generalize the operator from task 6 in such a way that it can be applied to operands of any type, provided there is an operator $\bullet \leq \bullet$ for that type. For example:

```
(x:char) "<=" (y:char) -> (bool = int x <= int y);
```

```
print min 'z' 'a' 'm' end      $$ a
```

Subtask 13.b)

Generalize the operators from task 3.a in such a way that they can be applied in principle to a variable with any content type X and a value with any type Y , provided there is a suitable arithmetic operator with parameter types X and Y and result type X . For example:

```
(c:char) ("+"|" -") (n:int) -> (char =  
  cc := int c;  
  char (cc + n | cc - n)  
);
```

```
c : char?;  
c =! 'A';  
c +! 3;  
print ?c;      $$ D  
c -! 2;  
print ?c      $$ B
```