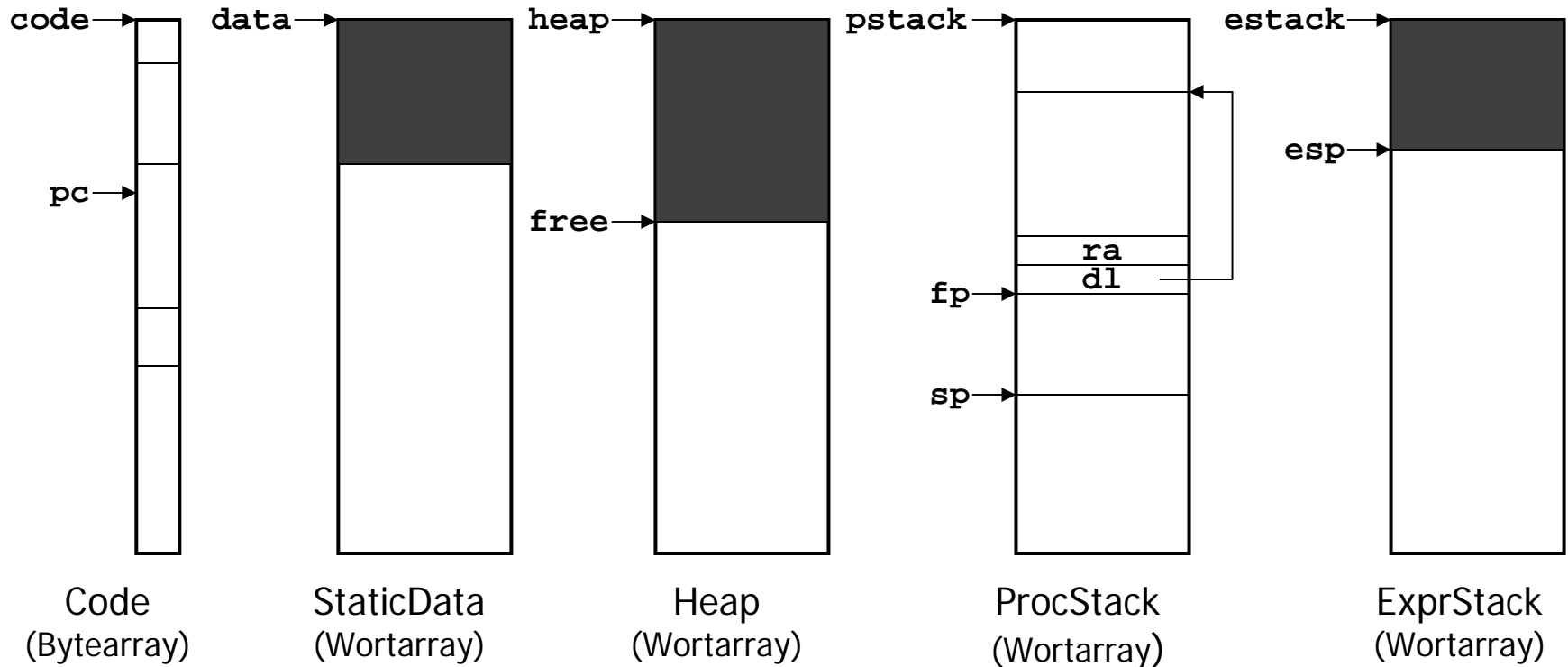


# MicroJava VM: Speicher-Layout

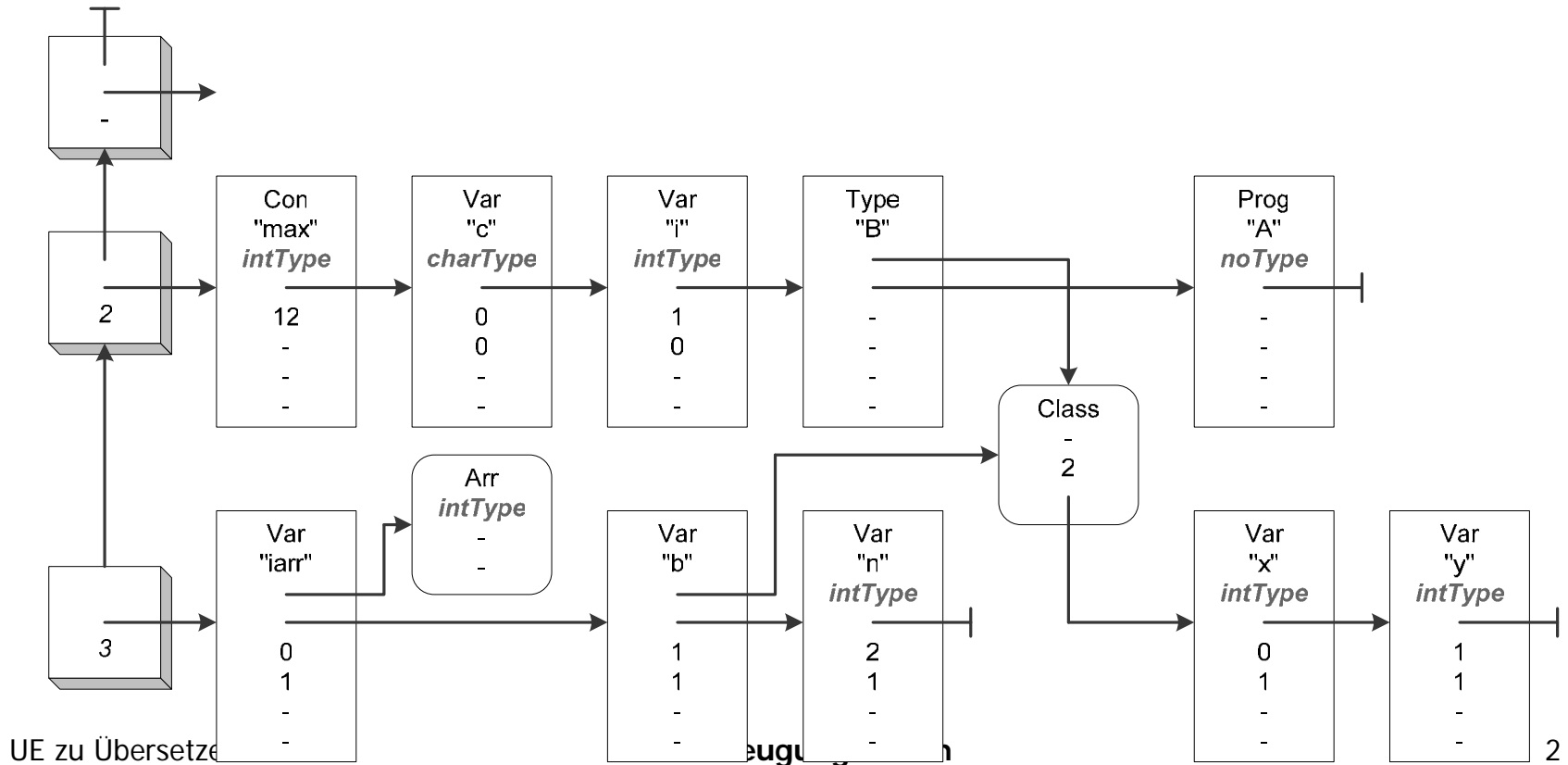


# Symboltabelle

**Deklaration: program A**

```

final int max = 12;           // Konstante
char c; int i;                // globale Variablen
class B { int x, y; }         // innere Klasse mit Feldern
{ void foo () int[] iarr; B b; int n; {...} }
  
```



Bsp 1: **n = 3;**

*Deklaration:* **program A**  
    **final int max = 12;**      *// Konstante*  
    **char c; int i;**      *// globale Variablen*  
    **class B { int x, y; }**      *// innere Klasse mit Feldern*  
**{ void foo () int[] iarr; B b; int n; {...} }**

**const\_3**      = **2** byte  
**store\_2**

Bsp 2: **i = 10;**

*Deklaration:* **program A**  
    **final int max = 12;**           *// Konstante*  
    **char c; int i;**               *// globale Variablen*  
    **class B { int x, y; }**       *// innere Klasse mit Feldern*  
**{ void foo () int[] iarr; B b; int n; {...} }**

**const 10**                               = **8** byte  
**putstatic 1**

Bsp 3: **n = 3 + i;**

*Deklaration:* **program A**  
    **final int max = 12;**      *// Konstante*  
    **char c; int i;**      *// globale Variablen*  
    **class B { int x, y; }**      *// innere Klasse mit Feldern*  
**{ void foo () int[] iarr; B b; int n; {...} }**

**const\_3**      = **6** byte  
**getstatic 1**  
**add**  
**store\_2**











Bsp 8: **i--;**

*Deklaration:* **program A**  
    **final int max = 12;**      *// Konstante*  
    **char c; int i;**      *// globale Variablen*  
    **class B { int x, y; }**      *// innere Klasse mit Feldern*  
**{ void foo () int[] iarr; B b; int n; {...} }**

**getstatic 1**      = **8** byte  
**const\_m1**  
**add**  
**putstatic 1**



