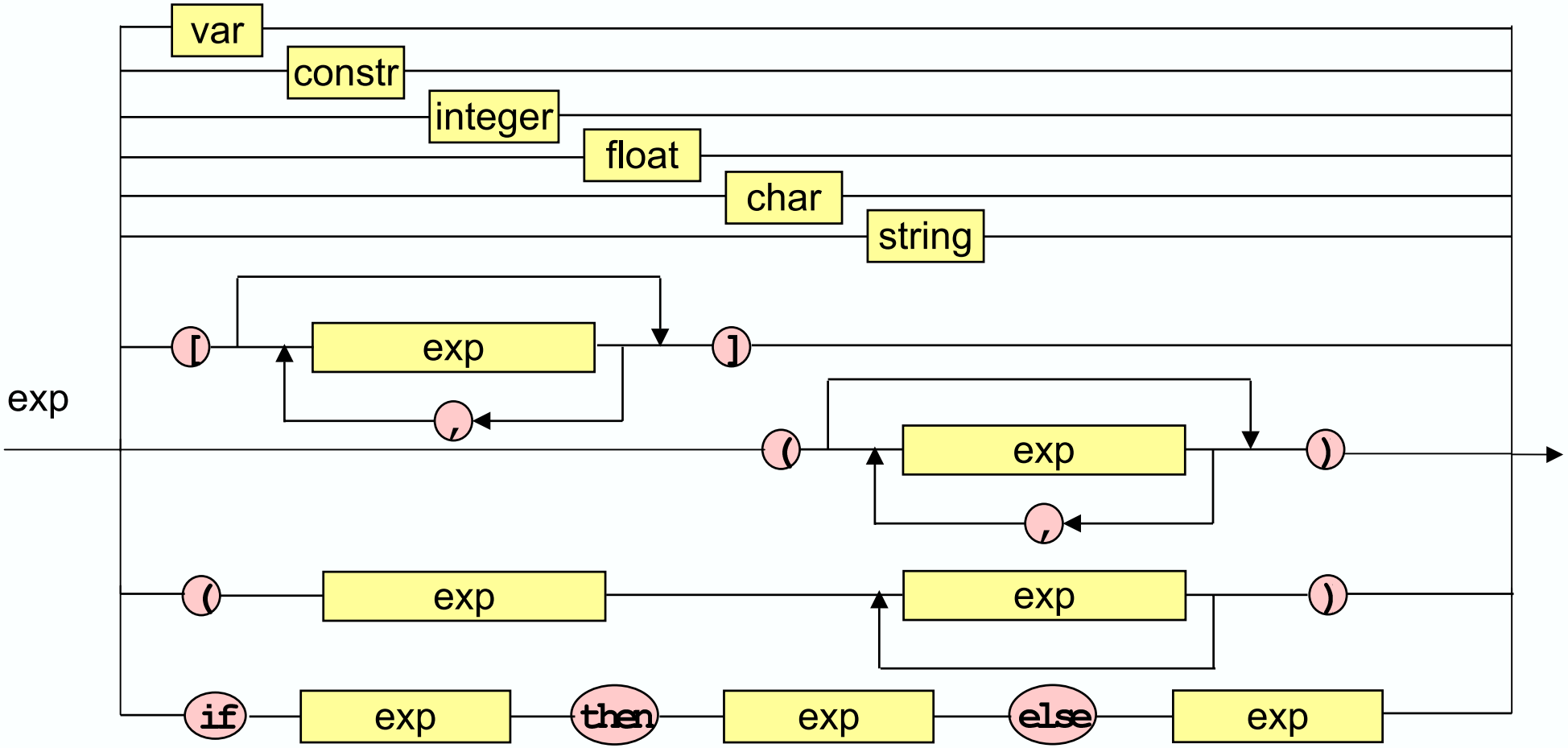
III. Funktionale Programmierung

- 1. Prinzipien der funktionalen Programmierung
- 2. Deklarationen
- 3. Ausdrücke
- 4. Muster (Patterns)
- 5. Typen und Datenstrukturen
- 6. Funktionale Programmiertechniken

Ausdrücke


exp
var
constr
integer
float
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exp
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(
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exp
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if
exp
then
exp
else
exp

Ausdrücke

```
maxi (x, y)  | x >= y      = x
             | otherwise   = y
```

exp

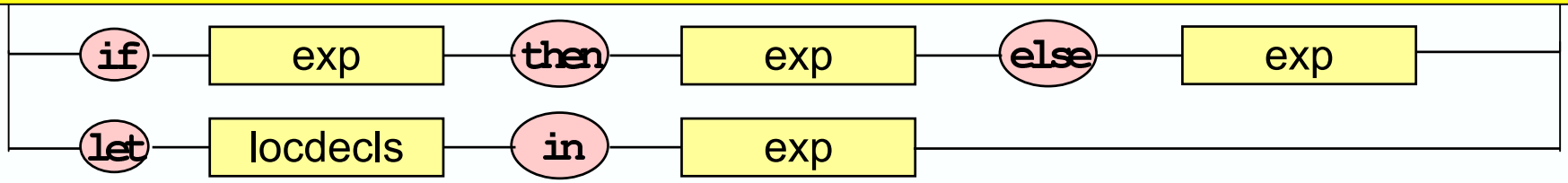
```
maxi (x, y) = if x >= y then x else y
```

Ausdrücke

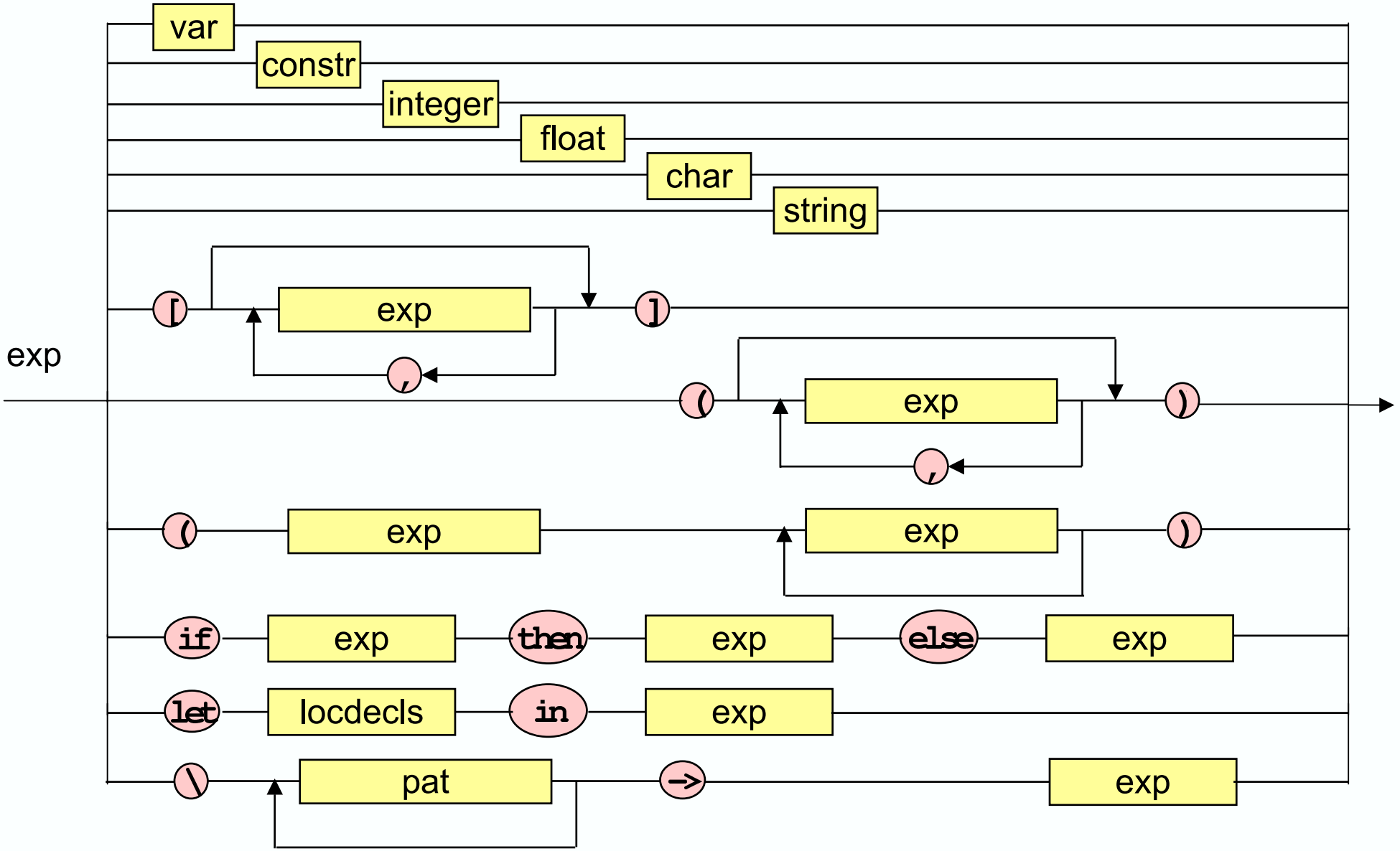
```
roots a b c = ((-b - d)/e, (-b + d)/e)
              where  d = sqrt (b*b - 4*a*c)
                     e = 2*a
```

exp

```
roots a b c = let d = sqrt (b*b - 4*a*c)
                  e = 2*a
              in((-b - d)/e, (-b + d)/e)
```



Ausdrücke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