

```
; a)
; Number Number Number -> Number
; determines the largest of the three given numbers
```

```
(check-expect (max3 1 2 3) 3)
(check-expect (max3 15 21 16) 21)
(define (max3 a b c)
  (if (>= a b) a
      (if (>= b c) b
          (if (>= c a) c a))))
```

```
; b)
; Number -> String
; gives the Roman Number of the given Number
```

```
(check-expect (rome 5) "V")
(check-expect (rome 95) "Nicht implementiert")
```

```
(define (rome num)
  (cond [(= num 1) "I"]
        [(= num 2) "II"]
        [(= num 3) "III"]
        [(= num 4) "IV"]
        [(= num 5) "V"]
        [(= num 6) "VI"]
        [(= num 7) "VII"]
        [(= num 8) "VIII"]
        [(= num 9) "IX"]
        [else "Nicht implementiert"])))
```