$G = (\{S, A\}, \{1, 2, 3\}, P, S)$

$P = \{$

$S \rightarrow 1AS \mid 3$

$A \rightarrow 2AS \mid \epsilon$

$\}$

1. First und Follow Menge

$First_1(S) = \{ 1, 3, (12) \}$

$First_1(A) \quad \{ 2, \epsilon, (221, 223, 21, 23) \}$

$Follows_1(S) = \{ First(S) \}$

$Follows_1(A) = \{ First(S) \}$

LL(1) $First_1(A) \neq First_1(S)$

da $F(A) \{ \epsilon \}$

$Fi_1(A) \cap Follow(A) = \emptyset \quad \{1,3\}, \{2\}$

✓

(2)

```
(def x 42)   ;; x+y = z
(def y 58)
def z (x+y))
```

```
(defn add (x y) (x+y))
```

```
(defn hasnext
  (node)
  (if (!= node.next Null)
      (return False))          ;;bad 1
  return True)
```

```
(def recursivelen (List l)
  (List l)
  (let (i 0) ;;
    (

(defn len
  (List i)
  (if (List                    ;;Abbr.
```

(3)

```
Enum TokenType () {
IF, ...
}

class Token () {
prv TokenType ttp ;
prv String value ;
    Public Token (TokenType ttp, Strig value) {
        this. ttp = ttp;
        this. value = value;
    }
pub getTTP() { return ttp; }
```