Aufgabe 5: Rekursiver Abstieg (4)

Schreiben Sie Parsermethoden für folgende Produktionen:

```
Signature  = ["public" | "private"] ("void" | Type) ident "(" [ Param {"," Param} ] ")" ";".
Type       = ident ["[" "]"].
Param      = Type ident.
```

Lösung

```
static void Signature() {
    if (sym == public_) scan();
    else if (sym == private_) scan();
    // no error branch
    if (sym == void_) scan();
    else if (sym == ident) Type();
    else error("type or void expected");
    check(ident);
    check(lpar);
    if (sym == ident) {
        Param();
        while (sym == comma) {
            scan();
            Param();
        }
    }
    check(rpar);
    check(semicolon);
}

static void Type() {
    ckeck(ident);
    if (sym == lbrack) {
        scan();
        check(rbrack);
    }
}

static void Param() {
    Type();
    check(ident);
}
```