

Lab 3

Shift-reduce conflict:

1. `lvalue: ID .`
 `| ID . LBRACK exp RBRACK`

This shift-reduce conflict is not harmful because its default action is shift:

```
LPAREN  shift, and go to state 15
LBRACK  shift, and go to state 16
LBRACE  shift, and go to state 17

LBRACK  [reduce using rule 62 (lvalue)]
$default reduce using rule 62 (lvalue)
```

which is what we want because we want ID or ID LBRACK exp RBRACK to be reduced into lvalue.

2. `tydec: tydec .`
 `| tydec . tydec`

This shift-reduce conflict is also not harmful because its default action is shift:

```
TYPE  shift, and go to state 27

TYPE  [reduce using rule 49 (tydec)]
$default reduce using rule 49 (tydec)
```

which is what we want because we want tydec or tydec tydec to be reduced into tydec.

3. `fundecs: fundec .`
 `| fundec . fundecs`

This shift-reduce is also not harmful because its default action is shift:

```
FUNCTION  shift, and go to state 25

FUNCTION [reduce using rule 55 (fundecs)]
$default reduce using rule 55 (fundecs)
```

which is what we want because we want fundec or fundec fundecs to be reduced into fundecs.

