Lab 4
Compilers Spring 2022

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1.   Exercise 4.9

FIRST(S) = {a, b, c, d} FOLLOW(S) = {a, b, c, d, e}
FIRST(B) = {b, c, d} FOLLOW(B) = {b, c, d, e}
FIRST(C) = {c, d} FOLLOW(C) = {c, d, e}

2.   Exercise 5.10

if expr then if expr then other else other

```
-S
--stmt
---if
---expr
---then
---stmt
----if
----expr
----then
----stmt
-----other
---else
---stmt
----other
--$

-S
--stmt
---if
---expr
---then
---stmt
----if
----expr
----then
----stmt
-----other
----else
----stmt
-----other
--$
```

3.   Exercise 4.4.3

FIRST(S) = {a} FOLLOW(S) = {+, *}