

HW_2

3.6

(a)

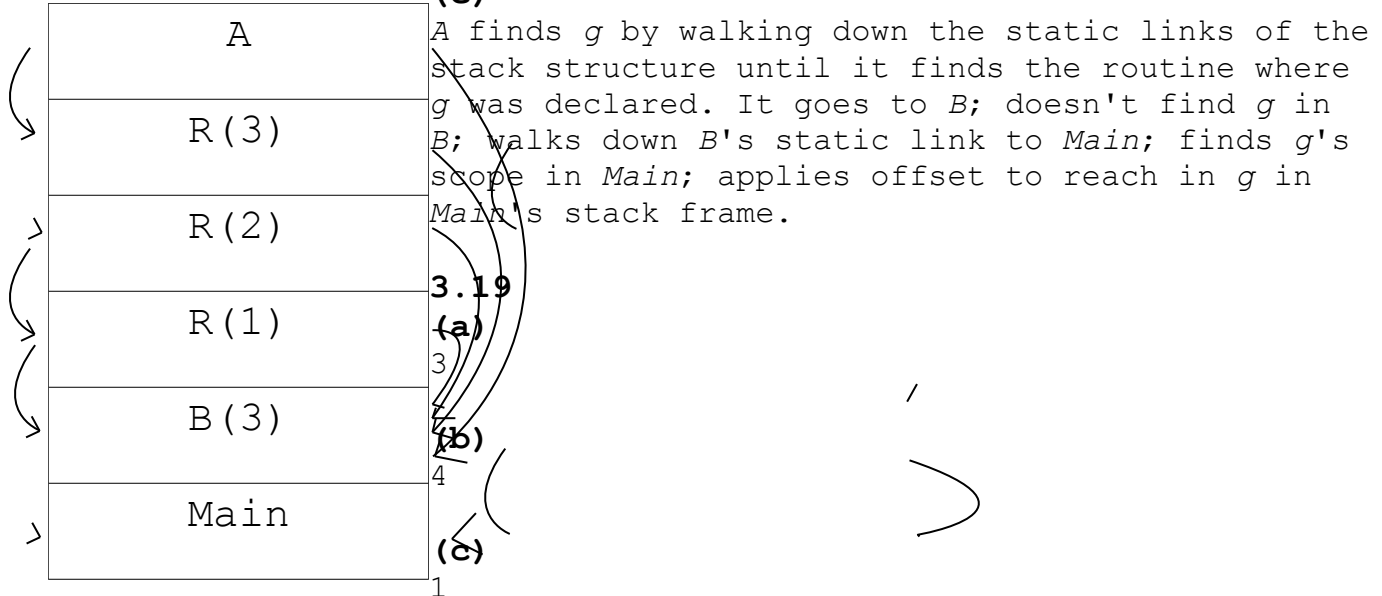
9 4 2 3

(b)

Dynamic Links

Static Links

(c)



4.6

```

stmt.depth := assignment.depth
stmt.depth := subr_call.depth
assignment.depth := expr.depth
subr_call.depth := ( arg_list.depth )
expr.depth := maximum( primary.depth, expr_tail.depth )
expr_tail.depth := expr.depth
expr_tail.depth := 0
primary.depth := 0
primary.depth := subr_call.depth
primary.depth := expr.depth + 1
arg_list.depth := maximum( expr.depth, args_tail.depth )
args_tail.depth := arg_list.depth
args_tail.depth := 0
    
```

*Note: Wasn't sure if the operators (op → + | - | * | /) were needed...*

6.23

```
boolean flag = false;
while(!flag) {
    line = read_line();
    if (all_blanks(line))
        flag = true;
    else
        consume_line(line);
}
```

This task without the midtest loop requires more lines of code than the original code.