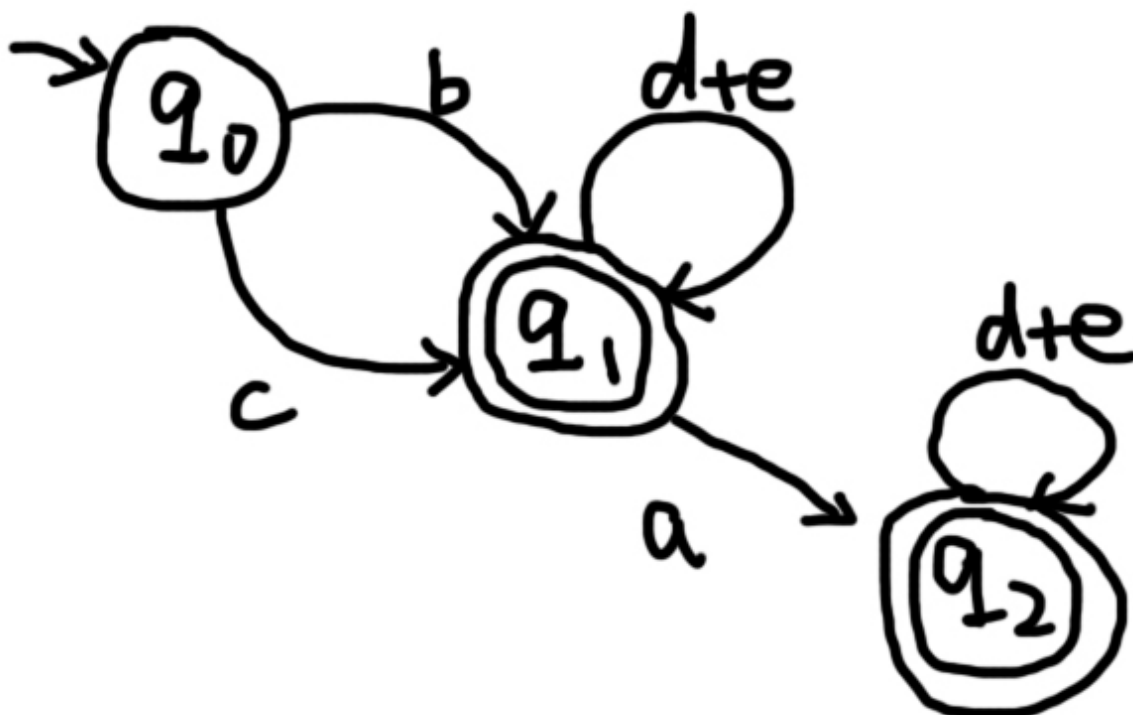# CS571 A2

1

```
1  (b*(ab)*(ab)*)+
```

2 (b|c)a?(d+e)*

3 output

dynamic:

3
4

Dynamic Scope   Point 1

P — [int local to P] — [int function]

print — [void function]

q — [void function]

main — [void function]

a — [int local to P] — [int global]

b — [int global]

Dynamic Scope   Point 2

P — [int function]

print — [void function]

q — [void function]

main — [void function]

a — [int global]

b — [int local to a] — [int global]

Dynamic Scope   Point 3

P ── int function

print ── void function

q ── void function

main ── void function

a ── int global

b ── int global
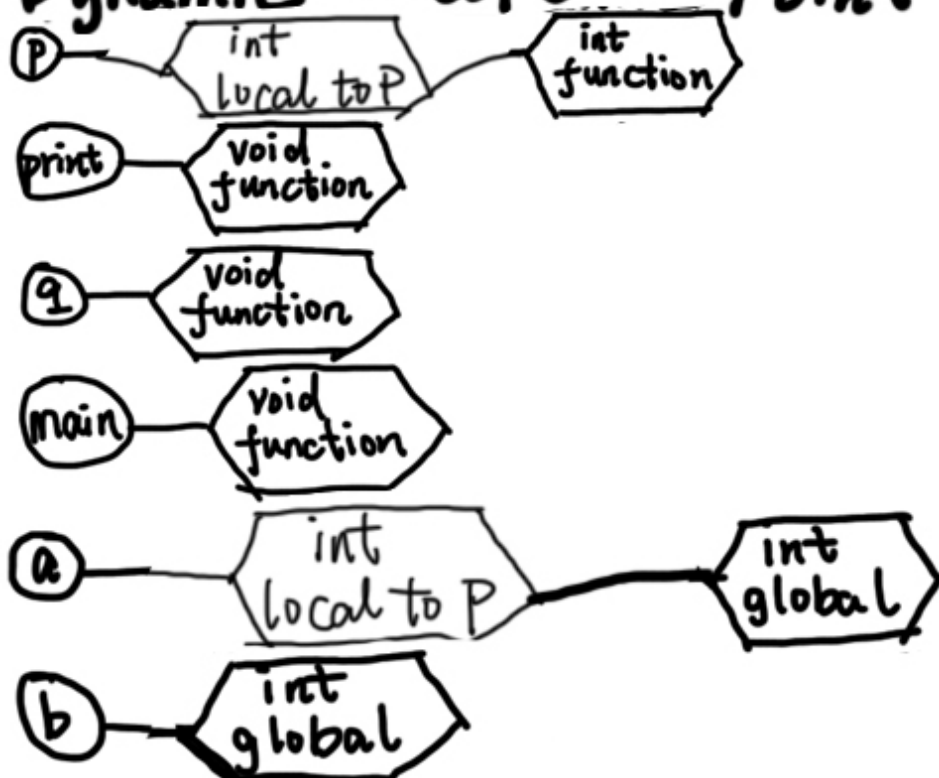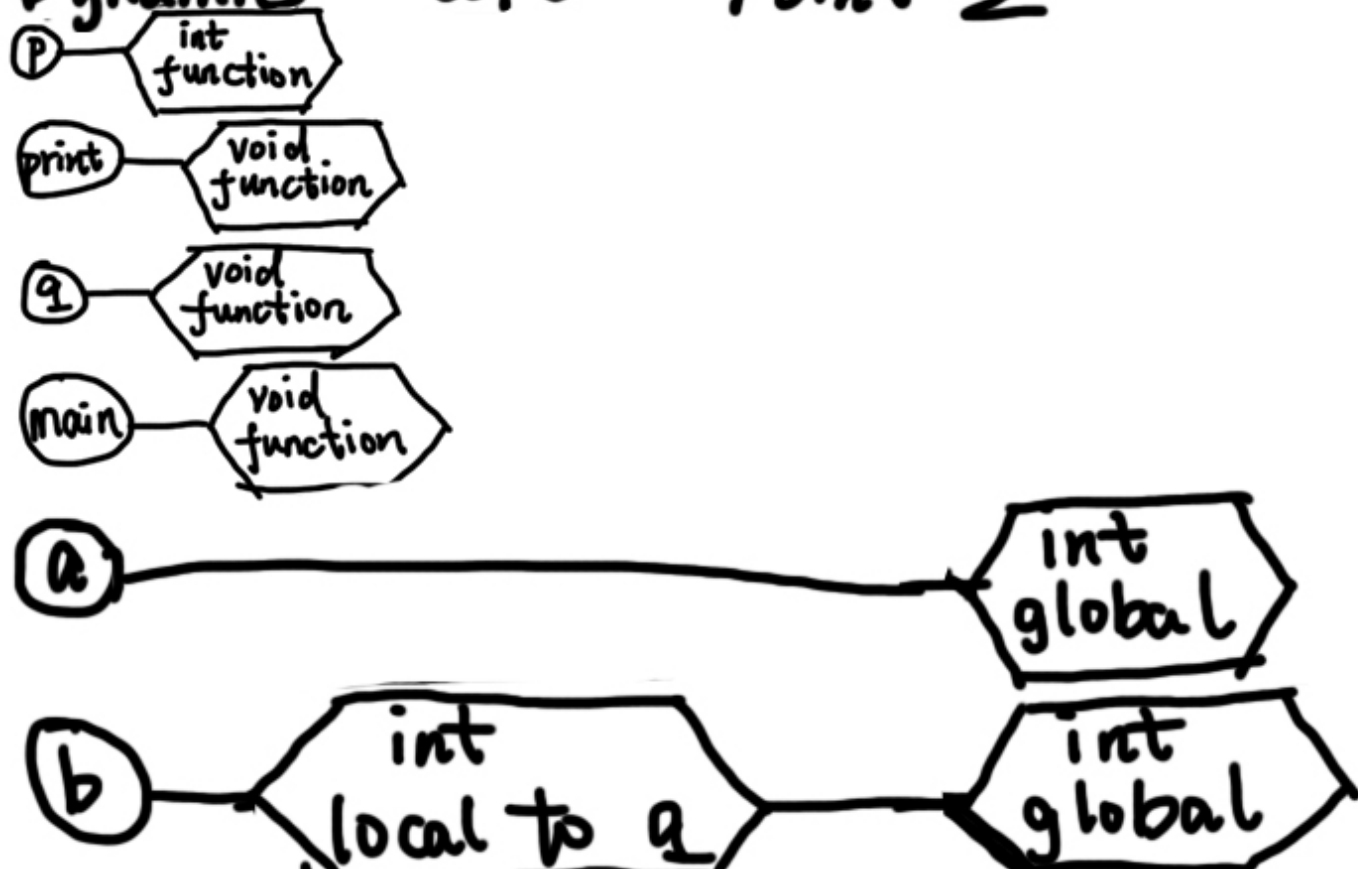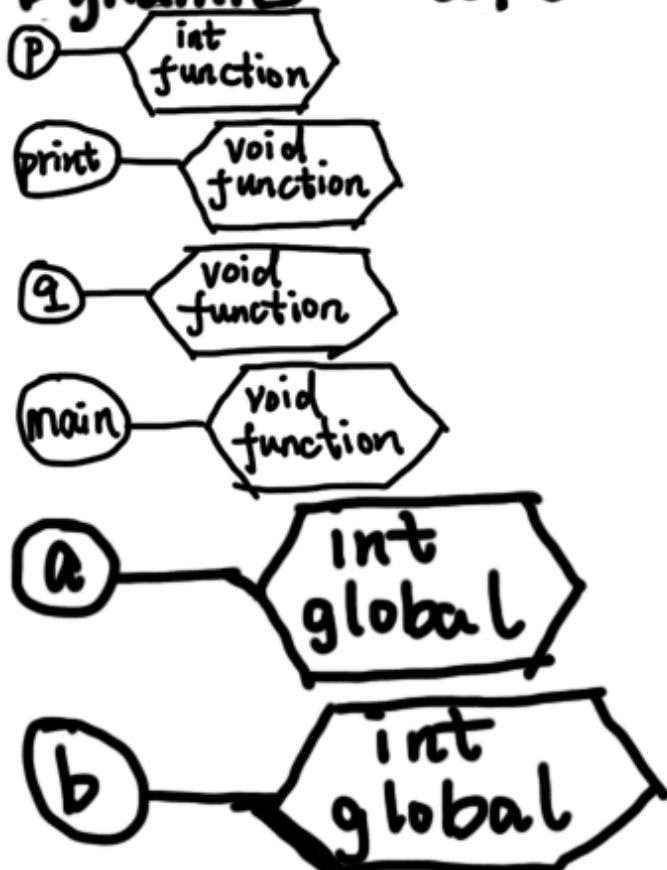
static:

3
1

Static Scope   Point 1

a — [int local to P] — [int global]

b — [int global]

P — [int local to P] — [int function]

Static Scope   Point 2

a — [int global]

b — [int local to q] — [int global]

P — [int function]

print — [void function]

q — [void function]

Static Scope

a ── ⬡ int global

b ── ⬡ int global

P ── ⬡ int function

print ── ⬡ void function

q ── ⬡ void function

Point 3

Main ── ⬡ void function

4 output:

1
1
3

5

call by reference:
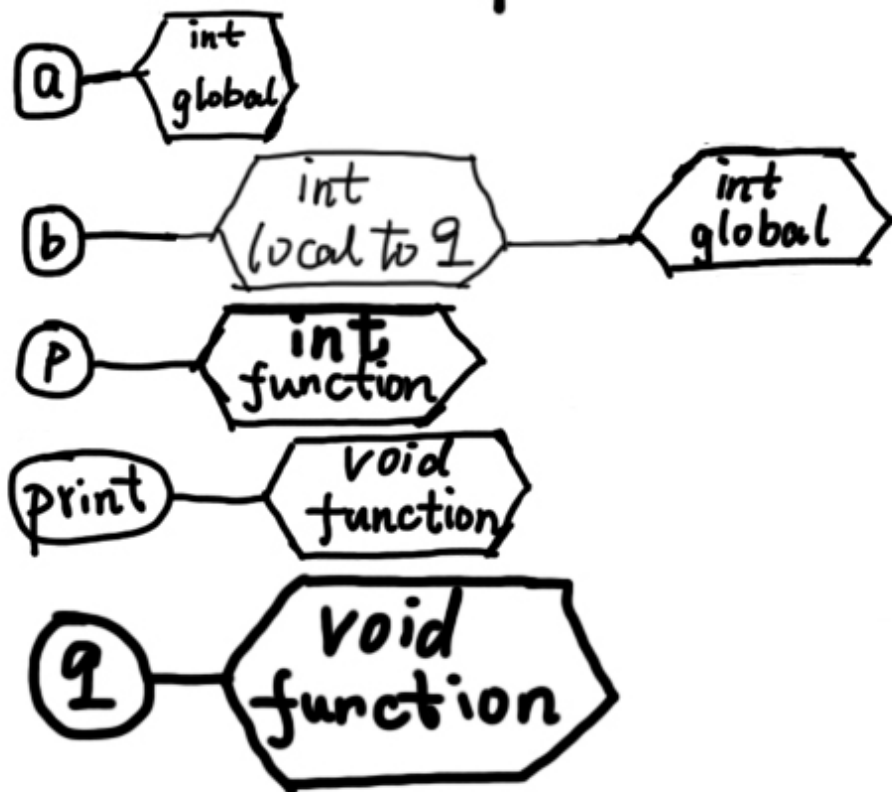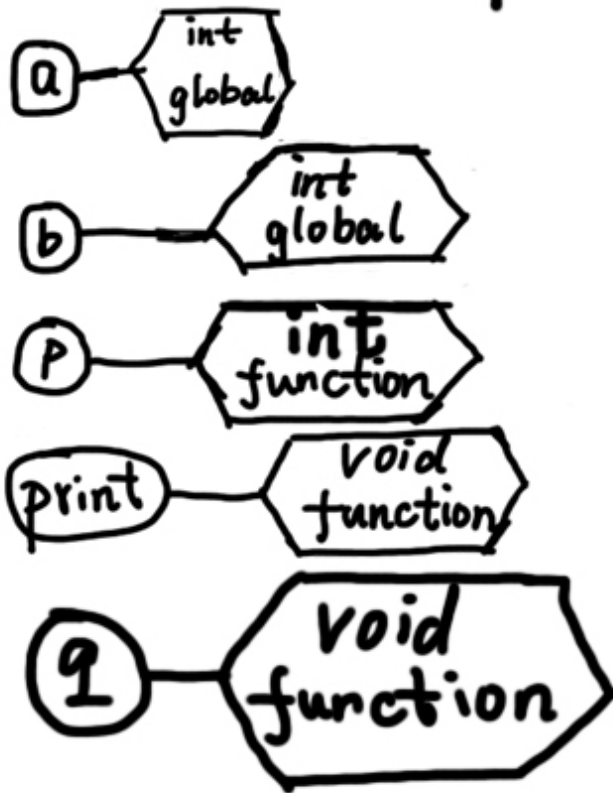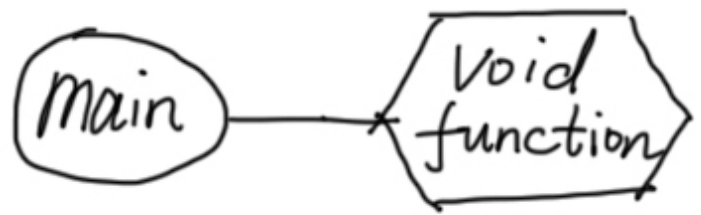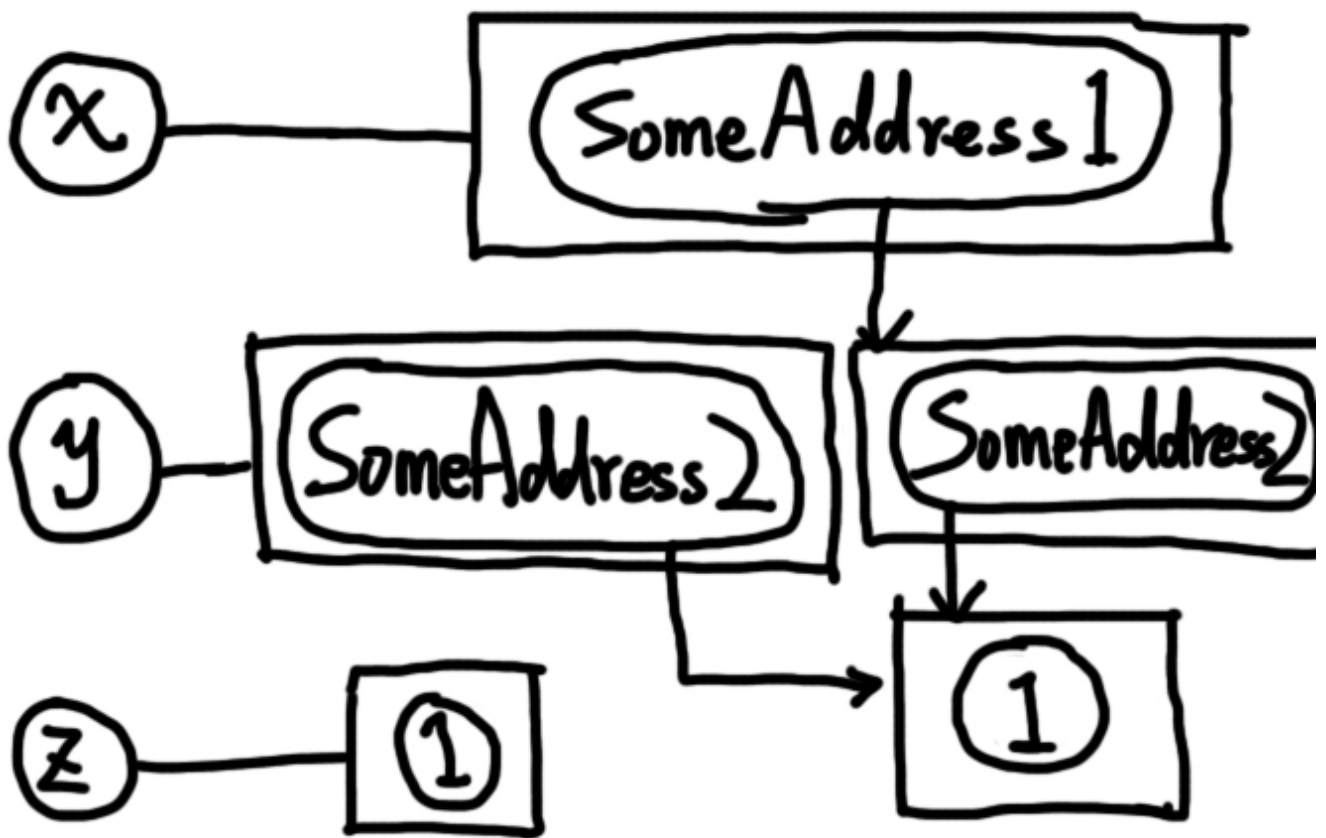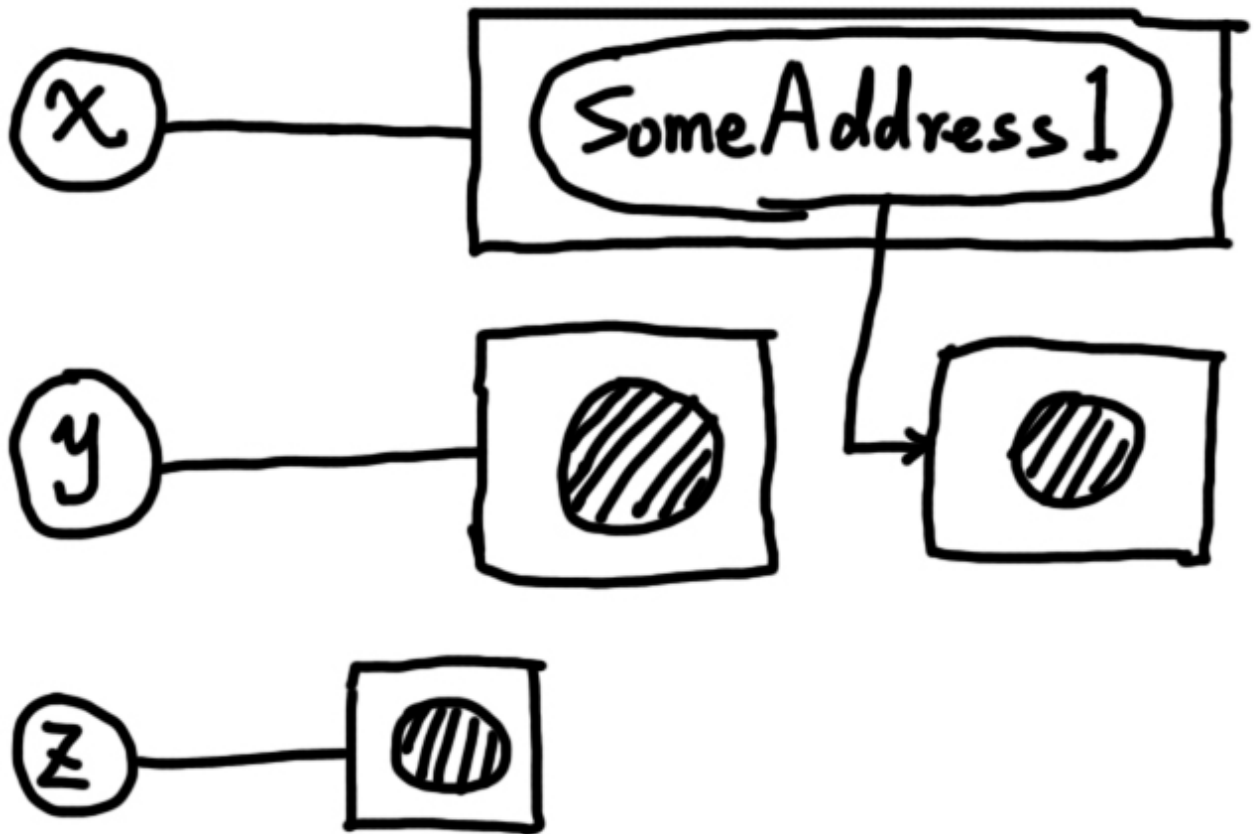
```
1 2 1 0
2 0 0
```

call by value:
```
1 2 1 0
2 1 0
```

6

perl program: match.pl