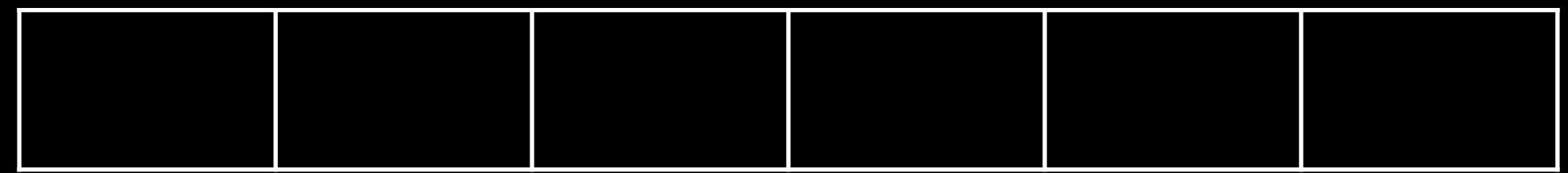
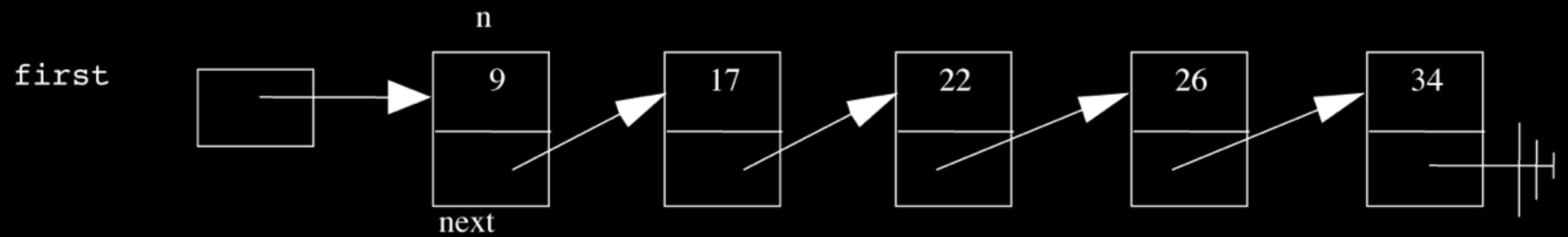


Week 6

last time

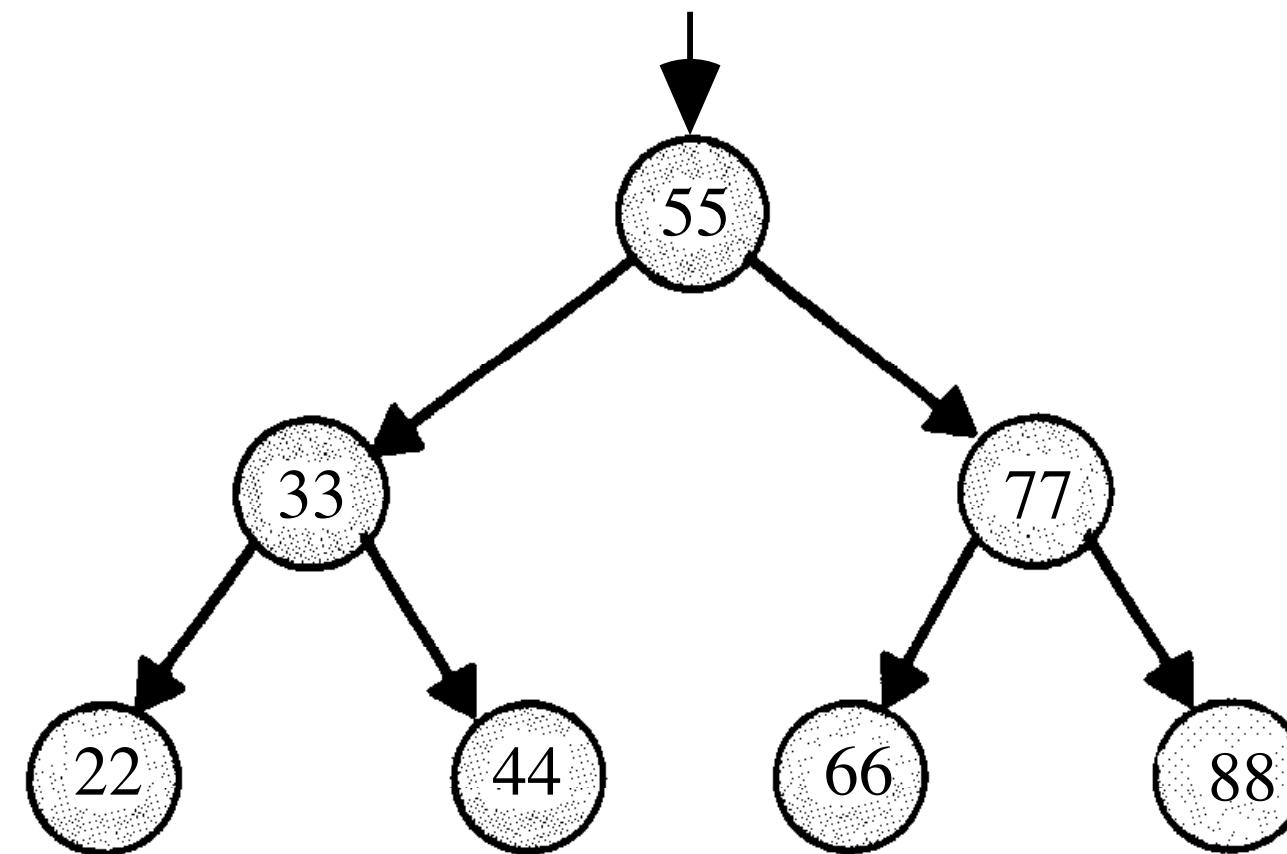








binary search tree



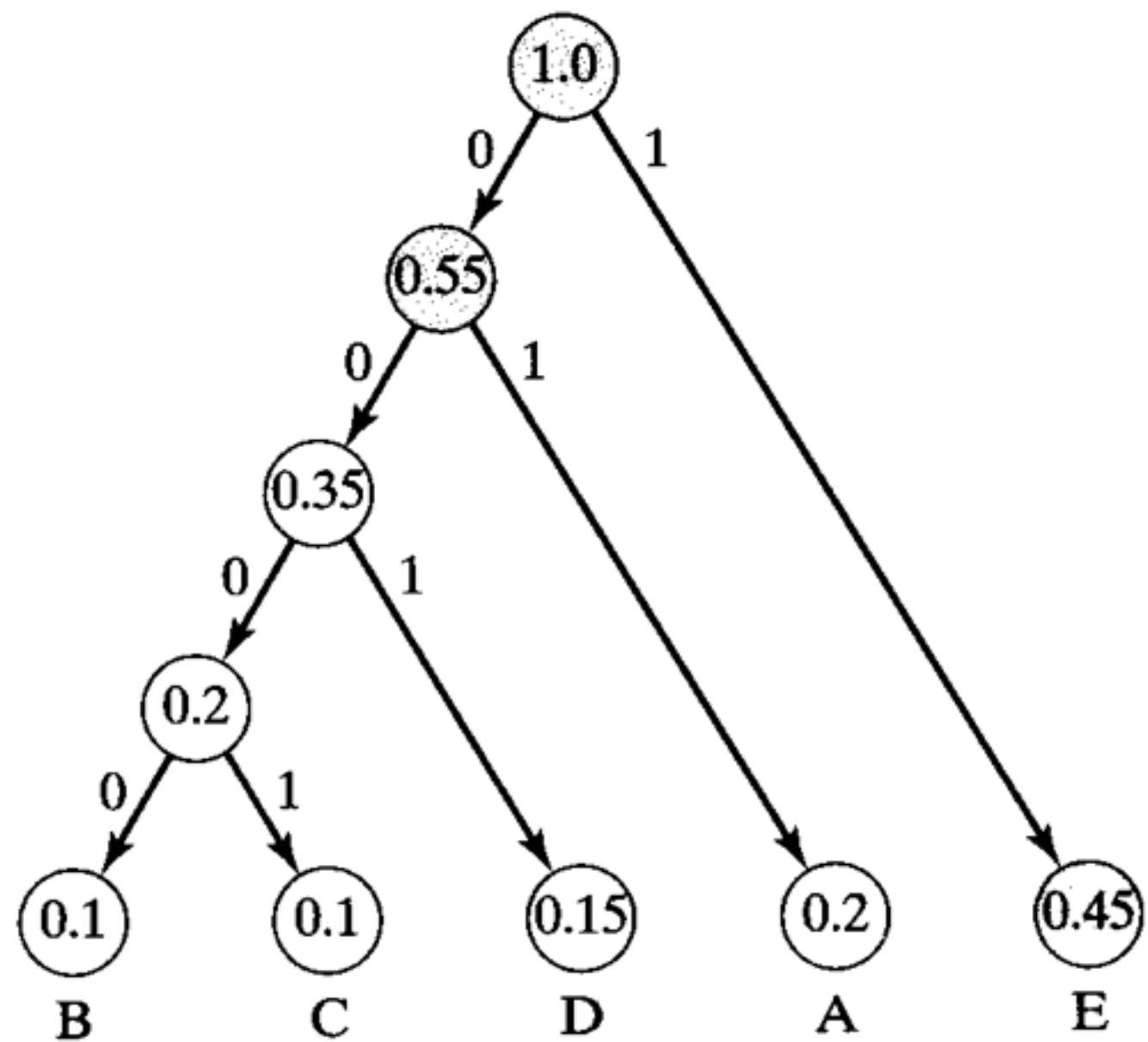
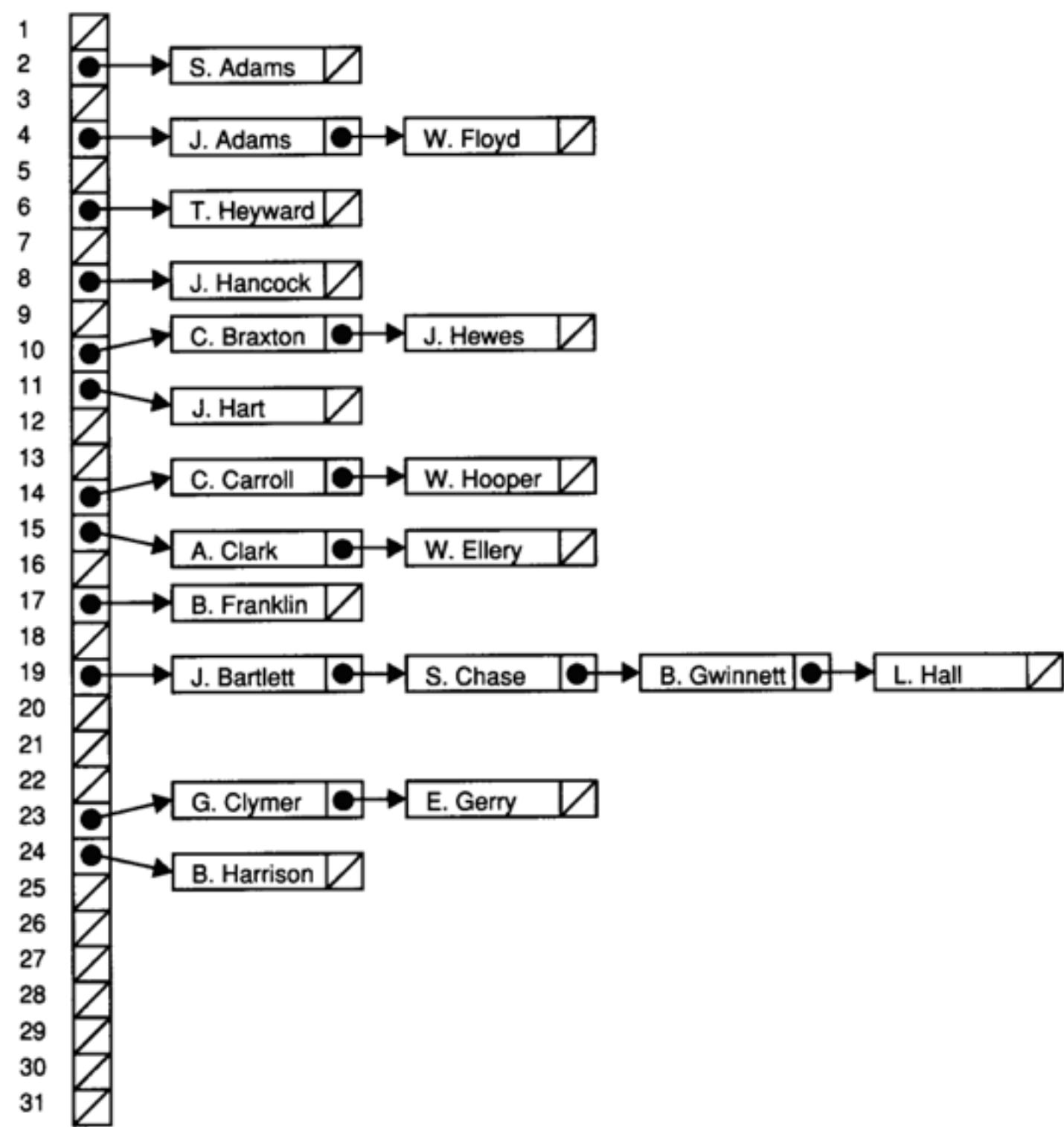


Figure by Larry Nyhoff.

| | |
|------------|---|
| table[0] | |
| table[1] | |
| table[2] | |
| table[3] | |
| table[4] | |
| table[5] | |
| table[6] | |
| | ⋮ |
| table[n-1] | |



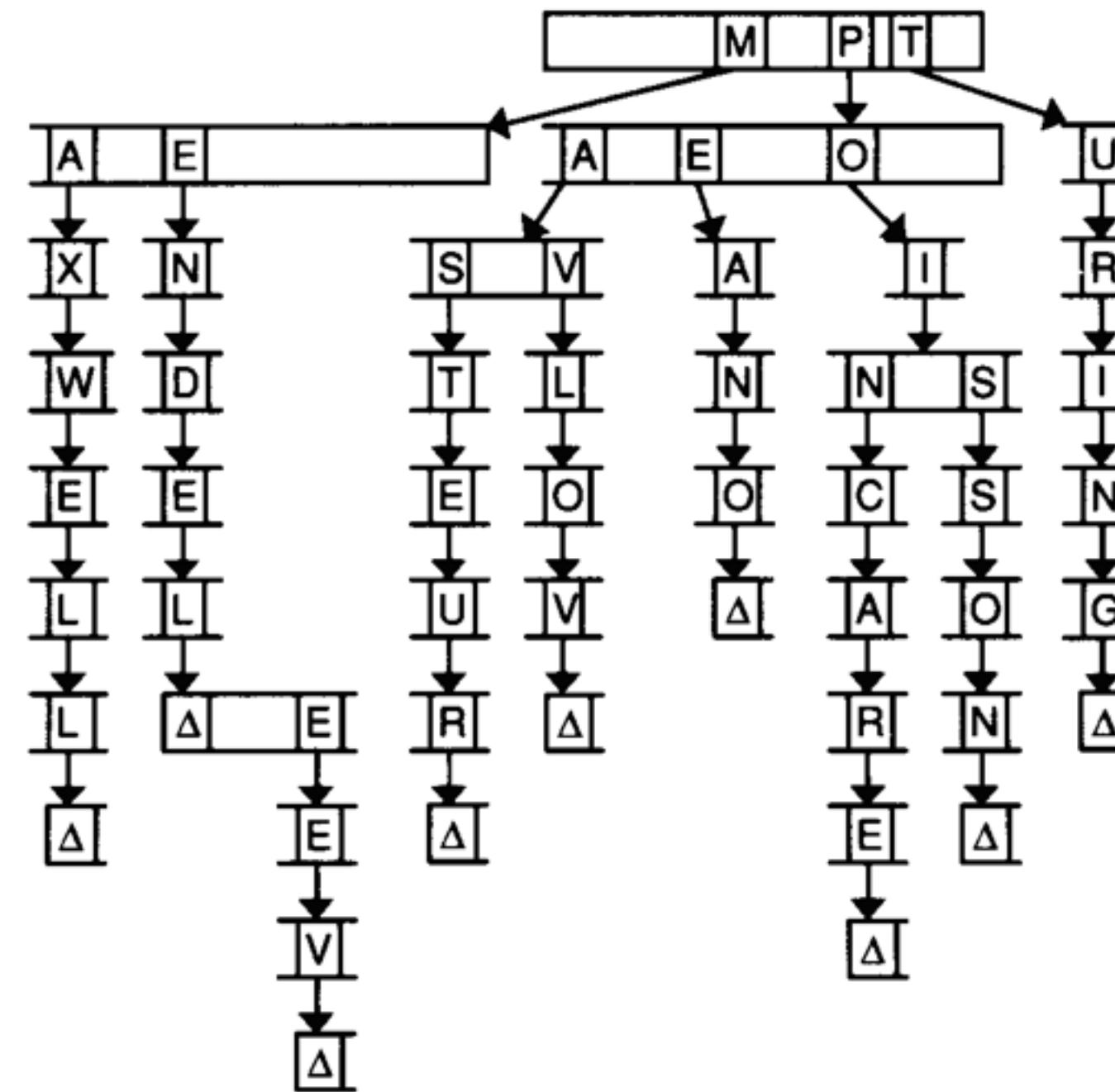


Figure from Lewis and Denenberg's Data Structures & Their Algorithms.

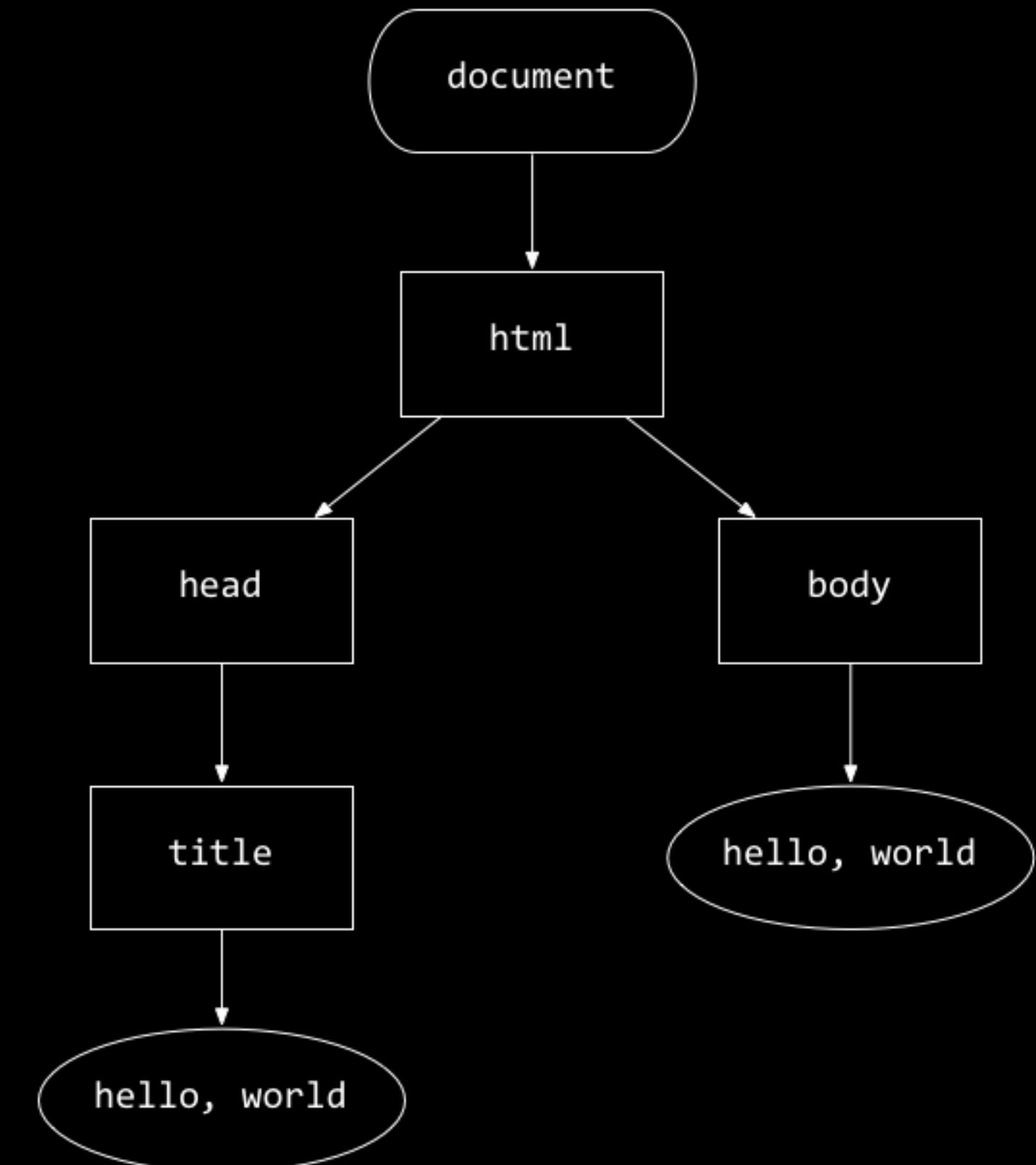
this time

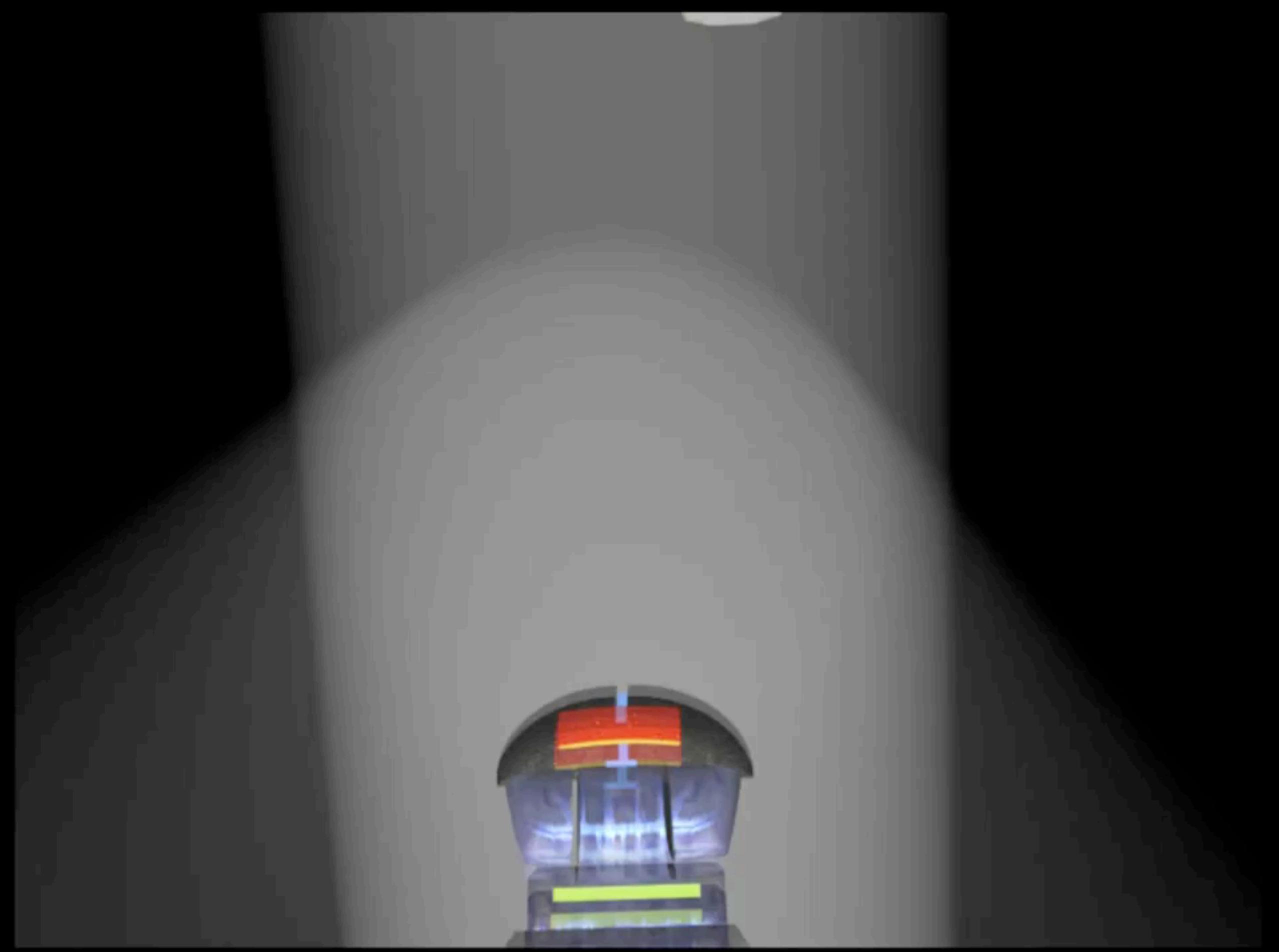
```
<!DOCTYPE html>

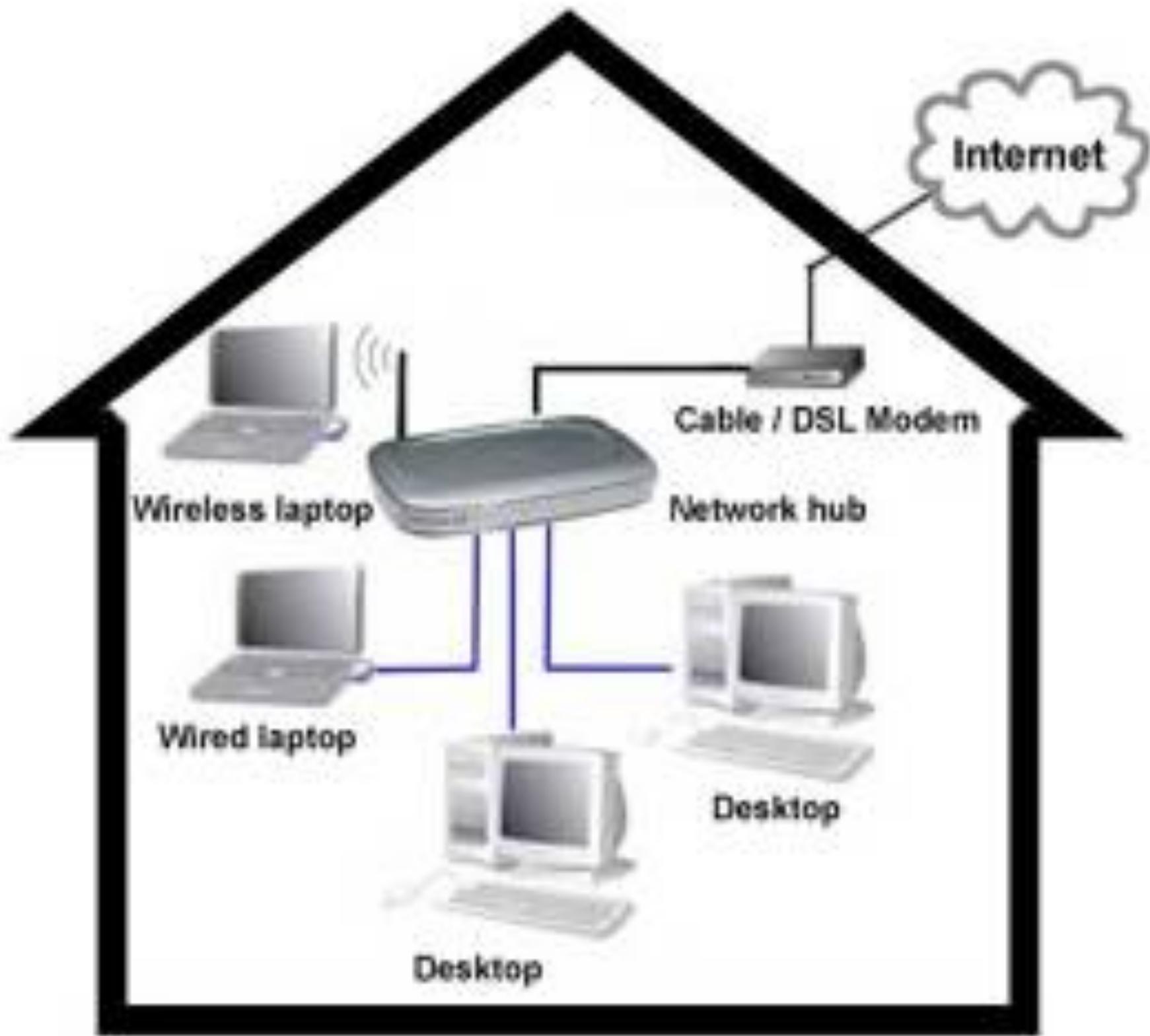
<html>
  <head>
    <title>hello, world</title>
  </head>
  <body>
    hello, world
  </body>
</html>
```

```
<!DOCTYPE html>

<html>
  <head>
    <title>hello, world</title>
  </head>
  <body>
    hello, world
  </body>
</html>
```







DHCP

IP

IP address

#.#.#.#

Harvard IPs

140.247.#.#

128.103.#.#

...

Yale IPs

130.132.#.#

128.36.#.#

...

private IPs

10.###.#

172.16.### – 172.31.###

192.168.###


```
> switchview = [[UISwitch alloc] initWithFrame:  
> [switchview setTag:997];  
> [cell addSubview:switchview];  
> [switchview release];  
>  
> // recover switchview from the cell  
> switchview = [cell viewWithTag:997];  
> [switchview addTarget:self action:@selector(  
> // Set up the cell  
> NSArray *crayon + [[[section obejectAtIndex:  
> [cell setText:[objecgtAtIndex:0]]];  
>  
> // extract the component  
> float xx = - [acceleration xGlobal];  
> float yy = - [acceleration yGlobal];  
>
```

```
> switchview = [[UISwitch alloc] initWithFrame:  
> [switchview setTag:997];  
> [cell addSubview:switchview];  
> [switchview release];  
>  
> // recover switchview from the cell  
> switchview = [cell viewWithTag:997];  
> [switchview addTarget:self action:@selector(  
> // Set up the cell  
> NSArray *crayon + [[[section obejectAtIndex:  
> [cell setText:[objecgtAtIndex:0]];  
>  
> // extract the component  
> float xx = - [acceleration xGlobal];  
> float
```

t

View

Go

Window

Help



http://275.3.6.28

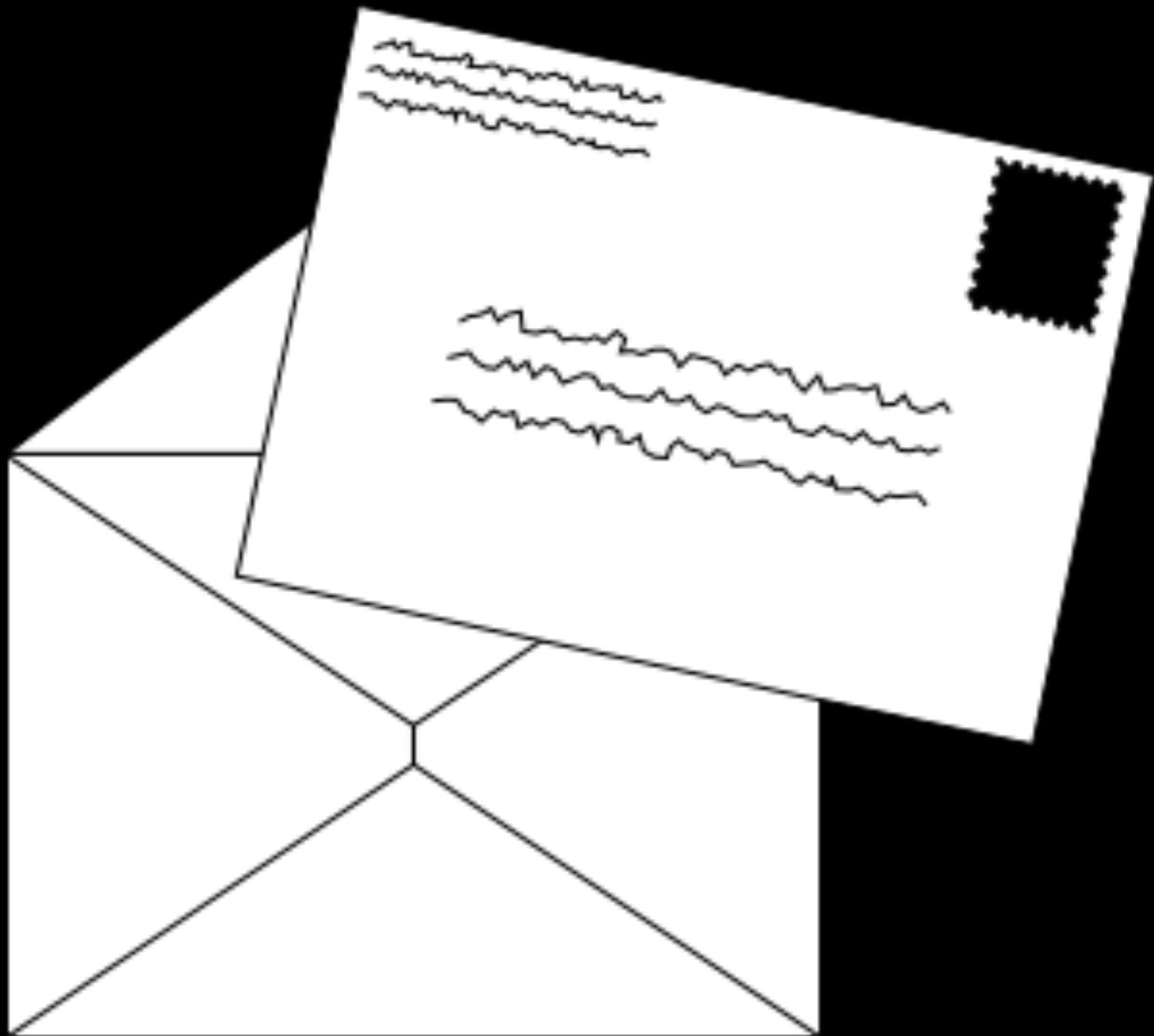
Global
HO >

DNS

routers



packets



TCP

ports

21 FTP

22 SSH

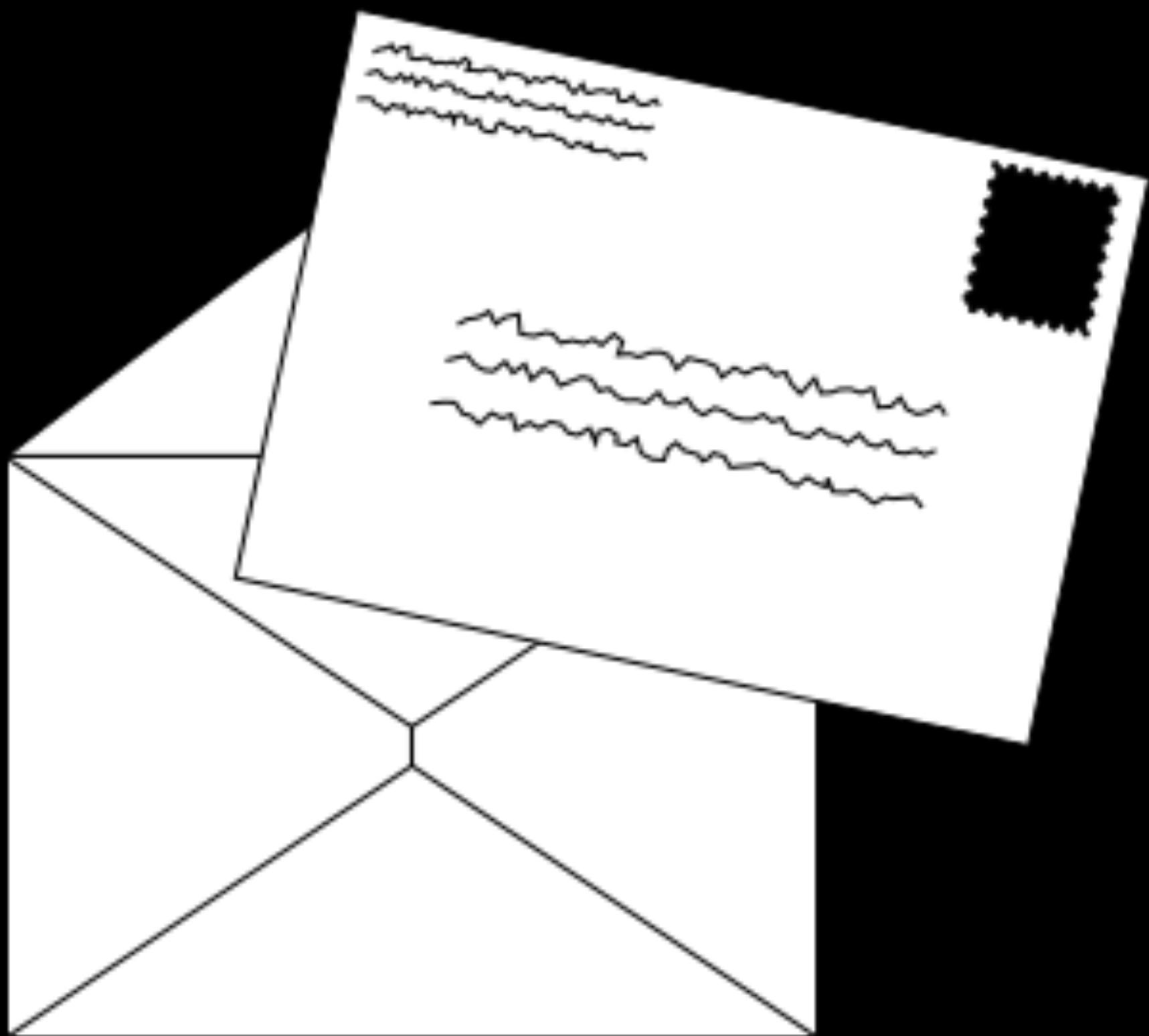
25 SMTP

53 DNS

80 HTTP

443 HTTPS

...



firewall

VPN

vpn.harvard.edu

VPN

access.yale.edu

WARRIORS OF THE NET

HTTP

GET

request

GET / HTTP/1.1
Host: www.harvard.edu

...

request

GET / HTTP/1.1

Host: www.yale.edu

...

response

HTTP/1.1 200 OK

Content-Type: text/html

...

status codes

200 OK

301 Moved Permanently

302 Found

304 Not Modified

401 Unauthorized

403 Forbidden

404 Not Found

500 Internal Server Error

...

query strings

```
GET /search?q=cats HTTP/1.1  
Host: www.google.com
```

...

POST

request

POST /login.php HTTP/1.1

Host: www.facebook.com

...

email=username@example.com&pass=12345

HTML

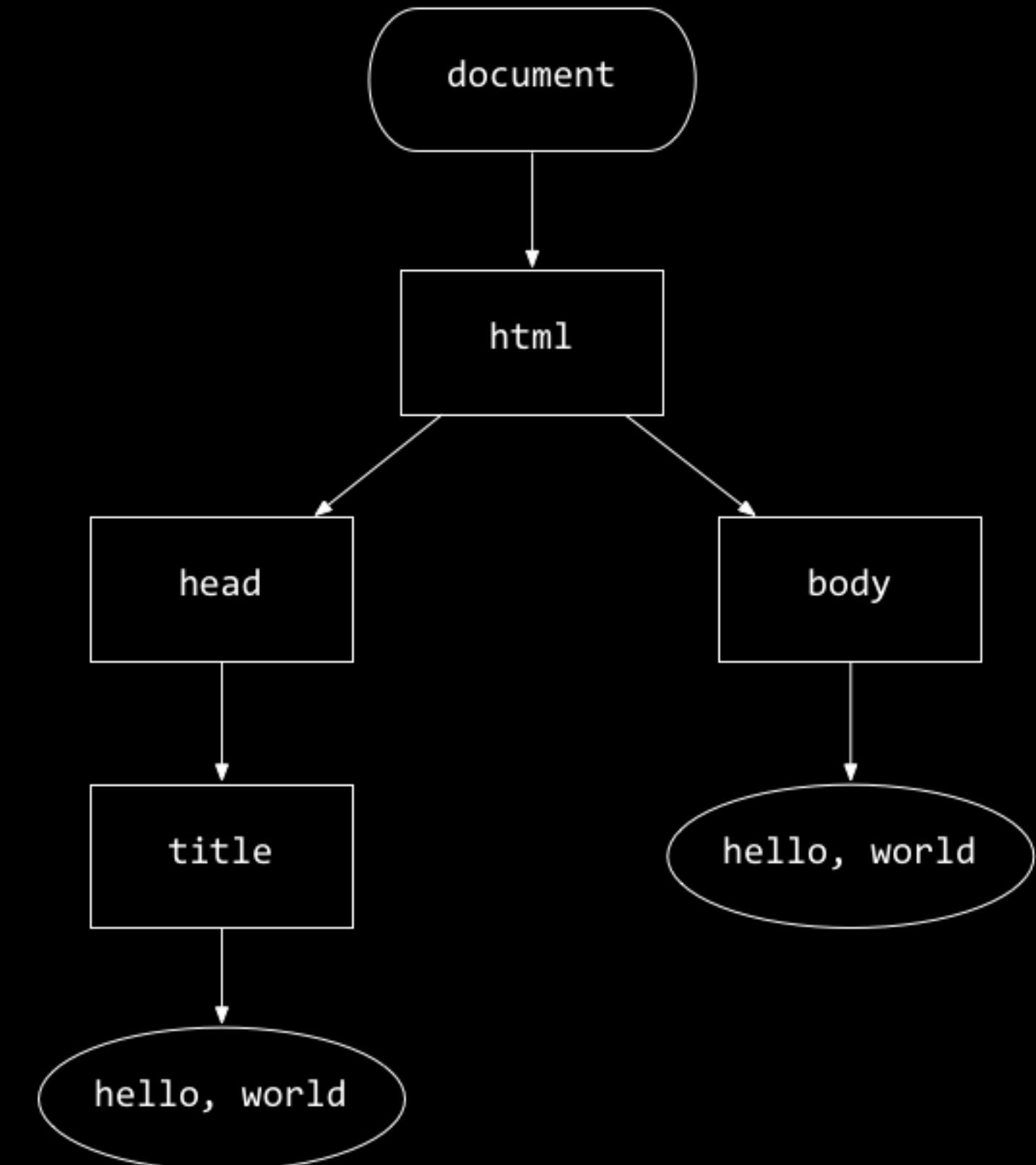


```
<!DOCTYPE html>

<html>
  <head>
    <title>hello, world</title>
  </head>
  <body>
    hello, world
  </body>
</html>
```

```
<!DOCTYPE html>

<html>
  <head>
    <title>hello, world</title>
  </head>
  <body>
    hello, world
  </body>
</html>
```





CSS3
STYLING

Week 6