

day 3

CLASS TIMES

data types

boolean

byte

char

short

int

float

long

double

data types

1 boolean
 byte
 char
 short
 int
 float
 long
 double

data types

1 boolean

8 byte

char

short

int

float

long

double

data types

1 boolean

8 byte

16 char

short

int

float

long

double

data types

1 boolean

8 byte

16 char

16 short

int

float

long

double

data types

1 boolean

8 byte

16 char

16 short

32 int

float

long

double

data types

1 boolean

8 byte

16 char

16 short

32 int

32 float

long

double

data types

1 boolean

8 byte

16 char

16 short

32 int

32 float

64 long

double

data types

1 boolean

8 byte

16 char

16 short

32 int

32 float

64 long

64 double

integer overflow

128

64

32

16

8

4

2

1



128

64

32

16

8

4

2

1

1 0 0 0 0 0 0 0 0 0 0

128

64

32

16

8

4

2

1

0

0

0

0

0

0

0




0

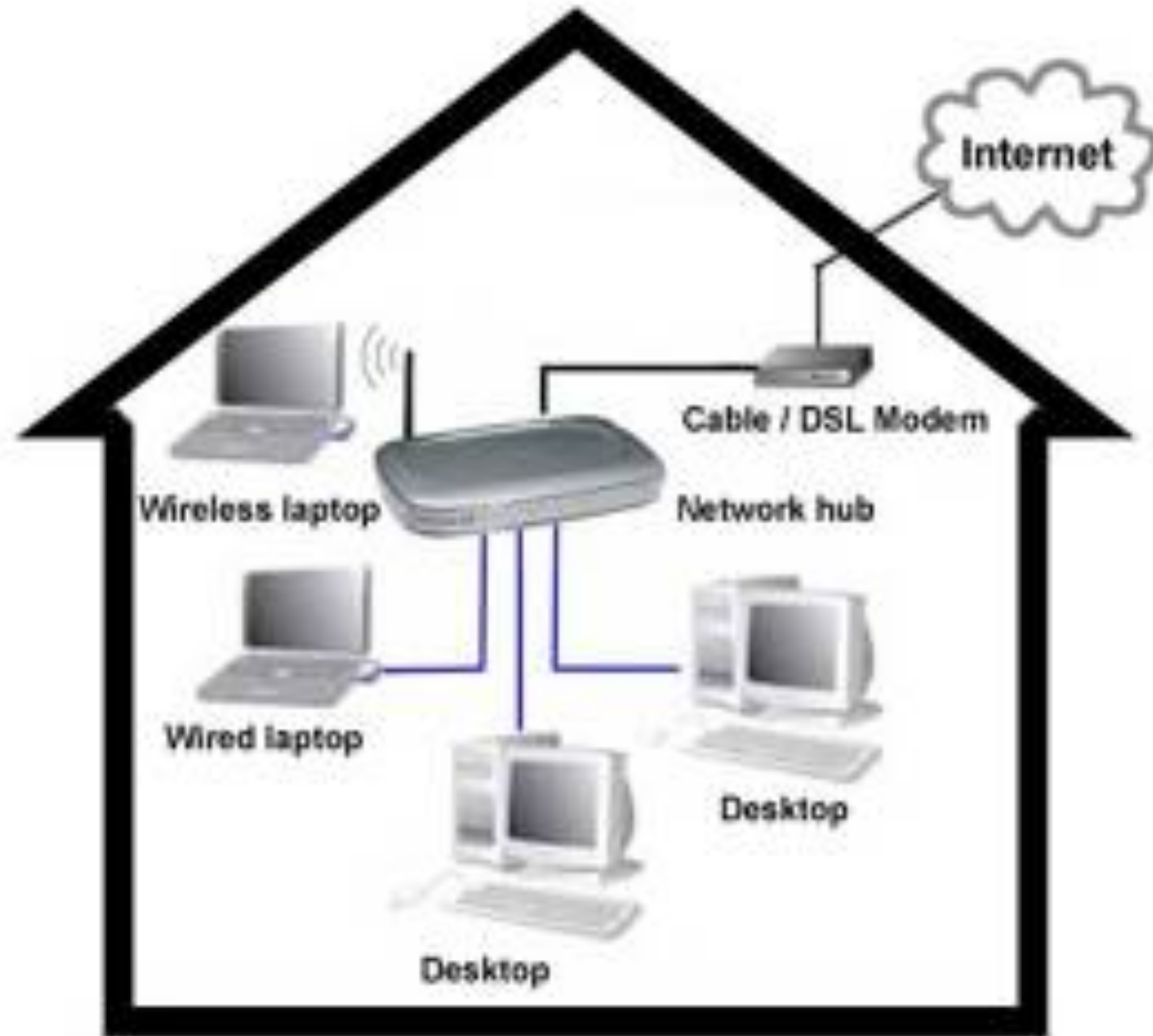
floating-point imprecision


```
> switchView = [[UISwitch alloc] initWithFrameRect:rect];
> [switchView setTag:997];
> [cell addSubview:switchView];
> [switchView release];
> }
>
> // recover switchView from the cell
> switchView = [cell viewWithTag:997];
> [switchView addTarget:self action:@selector(switchClicked)];
>
> // Set up the cell
> NSArray *crayon + [[[section objectAtIndex:indexPath.row]
> [cell setText:[objectAtIndex:0]];
>
> // extract the component
> float xx = - [acceleration x];
> float yy = - [acceleration y];
```

```
> switchView = [[UISwitch alloc] initWithFrameRect:rect];
> [switchView setTag:997];
> [cell addSubview:switchView];
> [switchView release];
> }
>
> // recover switchView from the cell
> switchView = [cell viewWithTag:997];
> [switchView addTarget:self action:@selector(toggleSwitch)];
>
> // Set up the cell
> NSArray *crayon = [[section objectForKey:@"crayon"] objectAtIndex:0];
> [cell setText:[objectAtIndex:0]];
>
> // extract the component
> float xx = - [acceleration x];
> float yy = - [acceleration y];
```

t View Go Window Help

   <http://275.3.6.28>



IP

IP address

###.##

Harvard IPs

140.247.##.#

128.103.##.#

...

private IPs

10.###.#

172.16.## - 172.31.##

192.168.##

TCP

ports

21 FTP

25 SMTP

53 DNS

80 HTTP

443 HTTPS

...

HTTP



GET

request

GET / HTTP/1.1

Host: www.google.com

...

request

GET /search?q=cats HTTP/1.1

Host: www.google.com

...

response

HTTP/1.1 200 OK

Content-Type: text/html

...

POST

request

POST /login.php HTTP/1.1

Host: www.facebook.com

...

email=jharvard@cs50.harvard.edu&password=crimson

status codes

200 OK

301 Moved Permanently

302 Found

401 Unauthorized

403 Forbidden

404 Not Found

500 Internal Server Error

...

cookies

HTTP/1.1 200 OK

Content-Type: text/html

Set-Cookie: session=abc123; HttpOnly; Path=/
...

cookies

GET / HTTP/1.1

Host: www.facebook.com

Cookie: session=abc123

session hijacking

to be continued