

Programming with select

Note Title

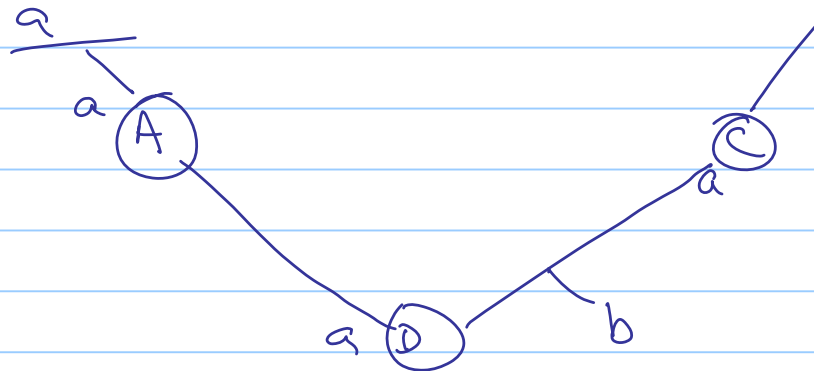
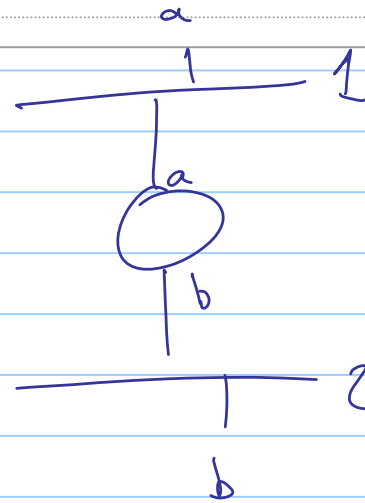
10/31/2008

High 98

Median 69

Mean 62

Low 29



node	dist from A	pred
↓		↓
(B, 1, A)		
(D, 1, A)		
(E, 4, D)		
(C, 2, D)		

dest	dist next hop
A	4, B
B	3, B
D	1, D
E	7, B
F	5, F

Write up due 11/5/08

```
int select (int maxDescPlus1, fd_set *readD, fd_set *writeD,  
            fd_set *exceptionD, struct timeval *timeout)
```

```
fd_set readDs;
```

```
FD_ZERO (&readDs)
```

```
FD_SET (fd, &readDs)
```

```
_CLR (fd, &readDs)
```

```
FD_ISSET (fd, &readDs)
```

```
struct timeval {  
    time_t tv_sec;  
    time_t tv_usec;  
}
```

Select returns 0 if timeout happened
-1 if there was an error (check errno)
number of ready descriptors

and it modifies the fd-sets to tell you which ones are ready.

and it modifies timeout struct to say how much time is left
(on some systems)