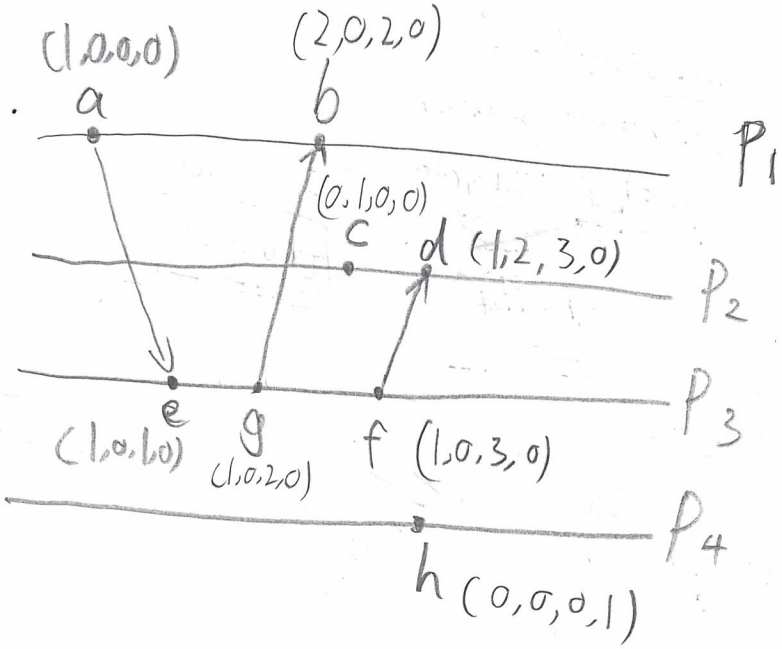
3.



(a)

(b) d(1,2,3,0)

```
inconcurrent(int[] v, int[] w) {
    bool greater=false, less=false
    for(int i=0; i< v.length; i++) {
        if (v[i] > w[i]) { greater=true;}
        if (v[i] < w[i]) { less=true;}
    }
    if (greater && less) { return true;}
    else { return false;}
```

based on this function, event b and h are concurrent with event d.

4. (a) $T_{round} = 6:22:15.250 - 6:22:15.100 = 0.155$

client's clock: $6:21:10.700 + 0.155/2 = 6:21:10.775$

(b) $124\,ms/2 = 62\,ms$