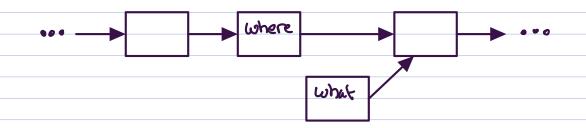
05 Problem 3et 6

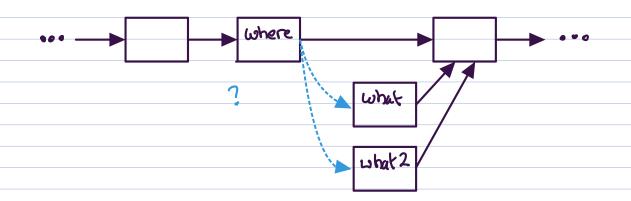
17 a) The given Function is not safe in a concurrent situation become 2 processes could attempt to insert after the where node at the same time. Consider the initial linked list



Inserting what, after the first line we have



Assuming another thread tries to insert after where now results in ...



At this point, its actually indeterminate which struct 11

the where node points to - it would update to

one of the two whats

```
Simularly, for the STV case, at the same point
   in the insert cafter the first line)
                      where
                            what
    IF a signal comes in $ interrupts the process,
     the Function could never 'finish". Beoulting in a
     dunaling node
b) void 11_ingert (struct 11 * where, struct 11 * what)
       siuset-t oldmusk, newmank;
           signet_fill ($ newmark);
           sigprocomask (SIG_BLOCK, & newmask, & old mosk);
       what -> fwd = where -> fwd;
        where -> fwd = what;
            Sigprocmask (SIG_SETMASK, $ SID musk, NOLL);
c) void 11-ingert (struct 11 * where, struct 11 * what)
        while (TAS( & where -> spinlars))
         what -> Fwd = where -> Fwd;
         where -> fwd = whate
        where -> spinlock = 0
```