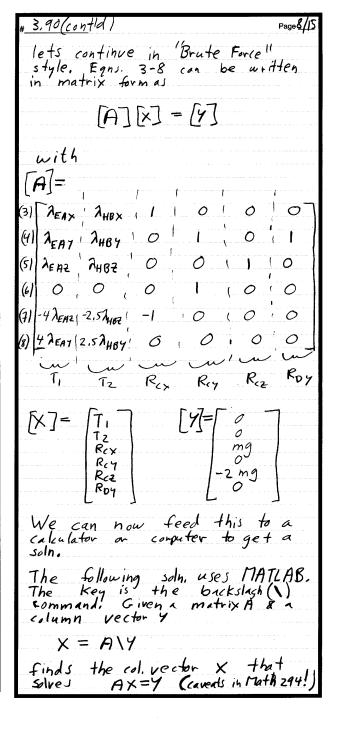
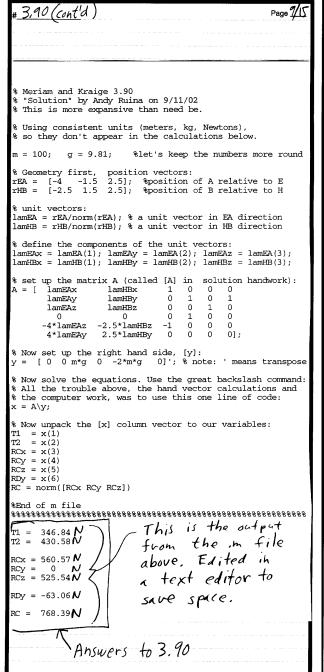
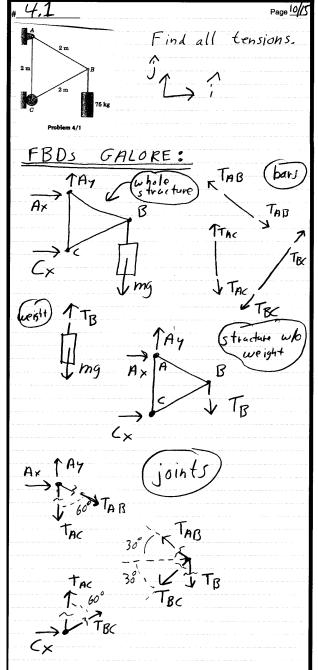
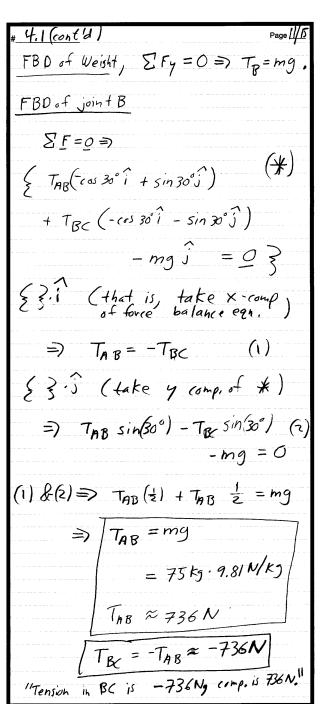


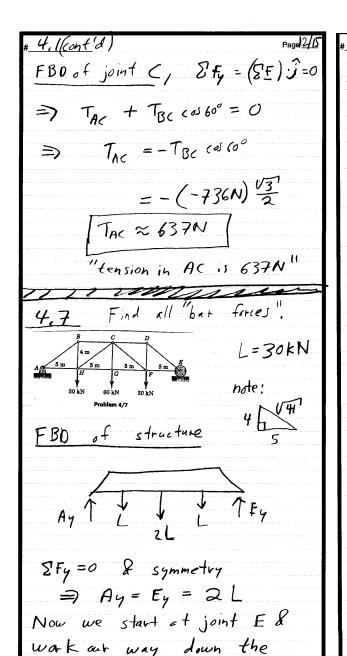
```
#3.90(contid)
 After carrying out cross products we can also break (2) into comps. to get 3 more egs. for the same 6 unknowns. Fortunately the cross
 products are pretty sparse.
(a) ⇒
    4 i x ( \( \lambda_{EAx} i + \lambda_{EAY} j + \lambda_{EAX} k) T1
+ - k x ( Rexî + Rey 3 + Rez k)
     =(2\hat{i}-\hat{k})\times(mg\hat{k})
 => (4 hear k - 4 hear i) TI
   + (2,52HBy k-2,52HBZ j) TZ
     - R_{cx} \hat{j} + R_{cy} \hat{i} = -2mg \hat{j} (\hat{Z})
 Now break (i) into comps, break(z*) into comps, & write out all 6 egs. in an organized way.
 DEAX T, + DHBX TZ + RCX
 A FATTI + AHBY TZ + RCY + RDY =0
 AEAZ TI + AHBZ TZ + RCZ
 -41 = T1 - 2.5 AHBZ Tz - Rcx = 2mg
   4 AEAY T1 + 2,5 AHBY T2
 Now, eas 3-8 (the comps. of force & moment balance) are 6 eas in 6 unknowns.
 One could fudge through, but
```



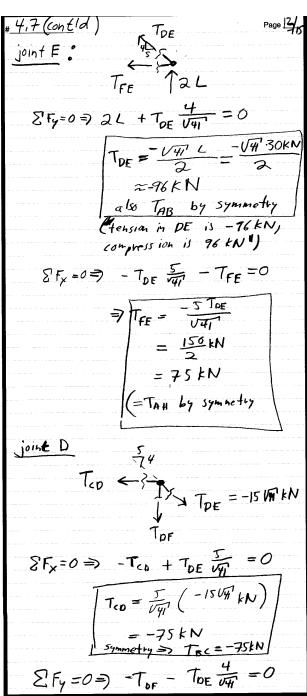


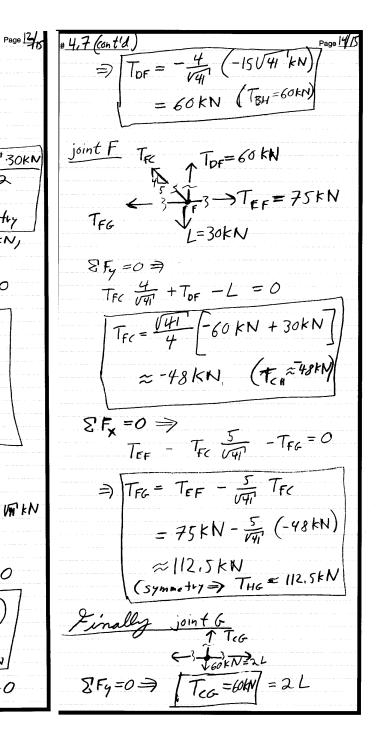


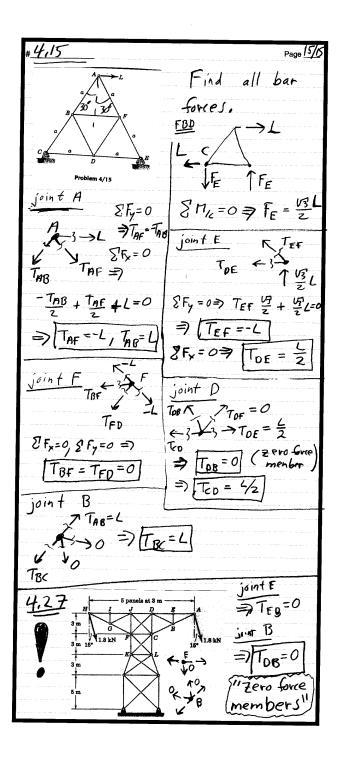




structure.







That's all folks.