10.2.

2
$$(z,+2z) T_a + z_2 T_b = b$$
 $z_1 T_a + (z_1 + z_2 + z_4) T_b = 0$
 $\begin{bmatrix} z_1 + z_2 & z_2 & z_3 & z_4 & z_4 \end{bmatrix} \begin{bmatrix} T_a \\ T_a \end{bmatrix} = \begin{bmatrix} b \\ 1 \end{bmatrix} = \begin{bmatrix} a_0 - 1 & b_1 \\ 2 \end{bmatrix} = \begin{bmatrix} a_0 - 1 & b_2 \\ 2 \end{bmatrix} = \begin{bmatrix} a_0 - 1 & b_3 \\ 2 \end{bmatrix} = \begin{bmatrix} a_0 - 1 & b_4 \\ 2 \end{bmatrix} = \begin{bmatrix} a_0 - 1 &$

```
10.4 E = 2060° [ 13, E2=20690° [ V], R, = 860], R2=1060], R3 = 450]
      X_ = 6[ 2], X_ = 3[ 2]
      5a: (8+j6) Ia - 8 Ib = 2020° = 20
     INTR
       Sh: (-8Ia+ (8+10+4) Ib+4 Ic=0
        Sc: 4 = + (4 j 3) Ic = 20 6900 = j 20
       \begin{bmatrix} 8+j6 & -8 & 0 \\ -8 & 22 & 4 \\ 4+j3 \end{bmatrix} \begin{bmatrix} Ja \\ Jb \\ Jc \end{bmatrix} = \begin{bmatrix} 20 \\ j20 \end{bmatrix}
        Δ= 8+j6[22(4-j3)-16]+8[-8(4-j3)]=716+j96
        I_{e} = I_{b} = \frac{1}{716796} \begin{vmatrix} 8+j6 & 20 & 0 \\ -8 & 0 & 4 \\ 0 & j20 & 4-j3 \end{vmatrix}
          In= 116+j96 [(8+j6) (-j80) +8 (26(4-j3))]
           IR2 = 1.33-j1.74 [A]
   10.5 R, L, :- P. R2=20[9], R3=50[9], C3=10[µF], C4=20[µF]
        Z1= R,+jwl, 122= R2 123= R3+ jwc3 124= jwc4
         Z, = 20+jwL,01 Z2= 20[9], Z3 = 50+ 1 [0.100 [9] 74= jw10.100
        (2R_1+j\omega L_1) \frac{1}{j\omega 26.10^{-6}} = 20 \left[50 + \frac{1}{j\omega.10^{-5}}\right]
           jw.105.2 = 20 [ jw.105]
              R,+ jw2,= j2w.10-2+ 40
    面型の東数部と虚部を等にするで
                R, = 40 [9]
L, = 6.02[H]
```