NODE 1: (Revised) Lair = (To - Ti) + hount = (To - Ti) + k = (Tri - Ti) + k 2 (T2'-T1') + D 2 2 2 (P (T1'11-T1') . 0 (10\(\frac{\infty}{2}\)\(\(\begin{array}{c} 15-\tau'\) + \(\(10\in)\(\frac{\infty}{2}\)\(\(\frac{15}{2}\)\(\frac{\tau'}{2}\)\(\ $+(120)\left(\frac{0.1}{2}\right)\left(\frac{T_2'-T_1'}{0.1}\right)+p(p(\frac{\Delta.1}{2})\left(\frac{\Delta.1}{2}\right)\left(\frac{T_1'''-T_1'}{2}\right)=0$ 7.5 - 0.5 T, + 75 - 5T, + 60T4 - 60T, + 60 Tz' - 60Ti + 30690537.08 (0.12)(1)(Ti+1-Ti) =0 DCP = & Since & = pCp = 120 3.91×10-6 = 30690 537.08 7.5 -0.5 T_1 + 75 -5 T_1 + 60 T_2 - 60 T_1 + 7672.63 T_1 - 7672.63 T_1 $7672.63T_{i}^{(+)} = 7798.13T_{i}^{(-)} - 60T_{2}^{(-)} - 60T_{4}^{(-)} - 82.5$ $T_{i}^{(+)} = 7798.13T_{i}^{(-)} - 60T_{2}^{(-)} - 60T_{4}^{(-)} - 82.5$ 7672.63T, 1+1 = 1.0164 Ti - 0.0078 Ti - 0.0078 Ti - 0.0108.

Node 2 (Revised) $(10)(0,1)(T_0-T_1) + (120)(\frac{0.1}{2})(\frac{T_3'-T_2'}{0.1}) + (120)(\frac{0.1}{2})(\frac{T_1'-T_2'}{0.1})$ + (120)(0,1) (Ts'-Tz') + plont plant plant (p (Tz'+'-Tz') = 0 15-Ti + 60Tz' - 60Tz' + 60Ti - 60Tz' + 120Ts' - 120Tz' £ 15345. 27 Tzi+1 = -59 T, + 15585, 27 Tz' - 60 T3' Tz't' = -0.0038 Ti + 1.0156 Tz' - 0.00391 Tz'

Node 3 (Revised)

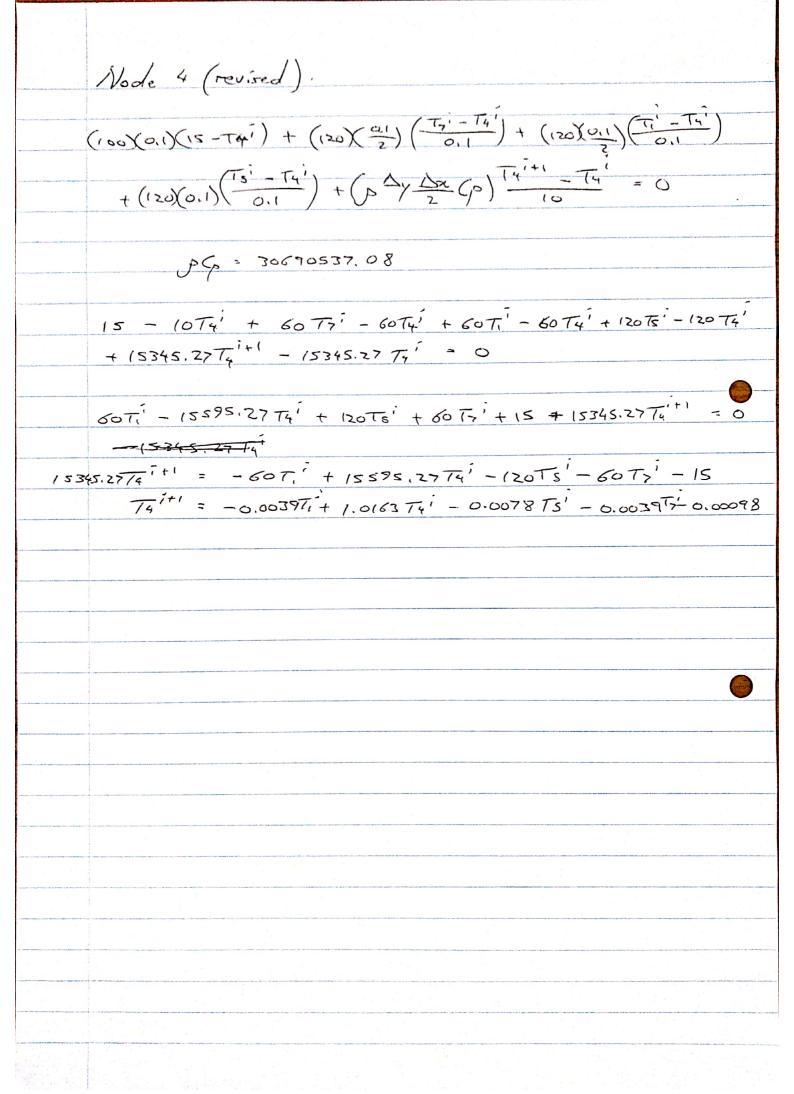
hair = (Tay-T3') + + = (T2'-T3') + + = (T6'-T3')
+ p Dx = (T3'+'-T3')

= 0

 $+ b \left(b \left(\frac{0.1}{5} \right) \left(\frac{1}{5} \right) + \left(\frac{1}{5} \right) \left(\frac{1}{5} \right) \left(\frac{1}{5} \right) + \left(\frac{1}{5} \right) \left(\frac{1}{5} \right) \left(\frac{1}{5} \right) + \left(\frac{1}{5} \right) \left(\frac{1}{5} \right) \left(\frac{1}{5} \right) + \left(\frac{1}{5} \right) \left(\frac{1}{5} \right) \left(\frac{1}{5} \right) + \left(\frac{1}{5} \right) \left(\frac{1}{5} \right) \left(\frac{1}{5} \right) + \left(\frac{1}{5} \right) \left(\frac{1}{5} \right) \left(\frac{1}{5} \right) + \left(\frac{1}{5} \right) \left(\frac{1}{5} \right) \left(\frac{1}{5} \right) + \left(\frac{1}{5} \right) \left(\frac{1}{5} \right) \left(\frac{1}{5} \right) + \left(\frac{1}{5} \right) \left(\frac{1}{5} \right) \left(\frac{1}{5} \right) + \left(\frac{1}{5} \right) \left(\frac{1}{5} \right) \left(\frac{1}{5} \right) \left(\frac{1}{5} \right) + \left(\frac{1}{5} \right) \left(\frac{1}{5} \right) \left(\frac{1}{5} \right) \left(\frac{1}{5} \right) + \left(\frac{1}{5} \right) + \left(\frac{1}{5} \right) \left(\frac$

 $7.5 - 0.5T_3' + 60T_2' - T_3' + 60T_6' - 60T_3'$ + $30690537.08(\frac{1}{4000})(T_3'' - T_3') = 0$

 $7.5 - 0.5T_3' + 60T_2' - T_3' + 60T_6' - 60T_3' + 7672.63T_3' + 7672.63T_3' = 0$



Node S (revised) (120)(0,1)(Tzi-Tsi) + (120)(0,1)(Tsi-Tsi) + (120)(0,1)(Tsi-Tsi) + (120)(0,1)(Tqi-Tsi) + pax dy (p (Tsi+1-Tsi) 12721 - 12Ts' + 12Ts' - 12Ts' + 12T8' - 12Ts' + 12T, i - 12Ts' + 30690,54 Tsi+1 - 30690,54 Ts' =0 $30690.54 \text{ Ts'}^{\dagger} = -12\text{Ts'} - 12\text{Ts'}^{\dagger} + 30738.54 \text{Ts'} = -12\text{Ts'}^{\dagger}$ $Ts'^{\dagger} = -0.00039 \text{Ts'} = -0.00039 \text{Ts'}^{\dagger} = -0.00039 \text{Ts'}^{\dagger$ -0.0003976i - 0.0003978

	Node 6 (revised)
	$(120)\left(\frac{79^{1}-78^{1}}{2}\right)\left(\frac{79^{1}-78^{1}}{0.1}\right)+(120)\left(\frac{73^{1}-76^{1}}{0.1}\right)+(120)(0.1)(75^{1}-76^{1})$
	+ + G Ax (Toi+1 - Toi) = 0
	60 Tq' - 60 T8' + 60 T3' - 60 T6' + 12 T5' - 12 T6'
	+ 15345.27 Te i+1 - 15345.27 Te = 6
	15345.27 Toit = -60 Tz' -12 Ts' + 15417.27 Toi
	+ 60 Tgi - 60 Tgi
	To it! = -0.0039 Tz' -0.00078 Tz' + T6' +0.0039 T8'
	-0.0037 Tg
<u> </u>	

Node 7 (Revised) $(100)(\frac{0.1}{2})(15-\overline{17})+(100)(\frac{0.1}{2})(15-\overline{17})+(120)(\frac{0.1}{2})(\frac{\overline{14}i-\overline{17}}{0.1})$ + (120/0.1/ T8i-Ti) + PCP 2 2 (Tyit1 - Ti) 75 - 5Tz + 75 - 5Tz + 60Tz - 60Tz + 60Tz - 60Tz + 7672.63 Tzit' - 7672.63 Tz' = 0 7672.63 Tzit1 = -60T4' + 7802.63 Tz' -60T8' -150 Tziti = -0.0078 Tqi + 1.017 Tzi -0.0078 Tgi -0.0196

Node 8 (revised) (100\(0.1)\(15 - T8'\) + \(120\(\frac{0.1}{2}\)\(\frac{T7' - T8'}{0.1}\) + \(120\(\frac{0.1}{0.1}\)\\\
+ \(120\(\frac{0.1}{2}\)\(\frac{T2' - T8'}{0.1}\)\\
+ \(120\(\frac{0.1}{2}\)\(\frac{T2' - T8'}{0.1}\)\\
+ \(\frac{0}{2}\)\(\frac{0.1}{2}\)\(\frac{T2' - T8'}{2}\)\\
+ \(\frac{0}{2}\)\(\frac{0.1}{2}\)\(\frac{120' - T8'}{2}\)\\
+ \(\frac{0}{2}\)\(\frac{0.1}{2}\)\(\frac{120' - T8'}{2}\)\\
\tag{2} 150 - 10T8 + 60T7 - 60T8 + 120T3 - 120T3 - 120T3 - 15345.27 T8 = 0 15345.27 Teit = -120 Ts' - 60 Tr' + 15595.27 Tei -60 Tg' -150

Tgit1 = -0.00782 Ts' -0.0039 Tr' + 1.016 Te' -0.00391Tgi -0.00977.

Node 9 (revised) (100)(0.1)(15-Tqi) + (120)(0.1)(Tgi-Tqi) + (120)(0.1)(Tci-Tqi) + p(q 2/2 (Tqi+1-Tqi) = 0 75 - \$5 T9' + 60 T8' - 60 T9' + 60 T6' - 60 T9' + 7672.63 T9'" - 7672.63 Tg' = 0 7672.63 Tgit1 = -60T61-60T81-7797.63 Tgi -75 Tgit1 = -0.0078 Toi - 0.0078 Tei -1.0163 Tqi -0.60978