Since Zf is equal to zero and also Z1(positive) and Z2(negative) have the same values of impedances. So multiplying the positive sequence impedance i.e Z_thpu calculated in S2 with 2 and Ia is the same as calculated above i.e I_o_shctpu , the formula becomes

$$Z\_othpu=(3*V\_t/I\_o\_shctpu)-(2*Z\_thpu)$$

Since, terminal voltage = 1 p.u
So, Z_othpu=0.0025 + 0.0121i

Transformer T1 is zero grounded shown by subscript 0 but there is no change in its impedence. From ´assignment S2´ denoted by Z_T1pu and also the value of shunt capacitance remains the same.

In positive sequence (S2) we did consider the sixth node because we had a voltage source there but in case of zero sequence there is no voltage source so node 7 will be eliminated and the Y-bus matrix will be of order 6*6. Following the same procedure for the calculation of the Y-bus matrix i.e