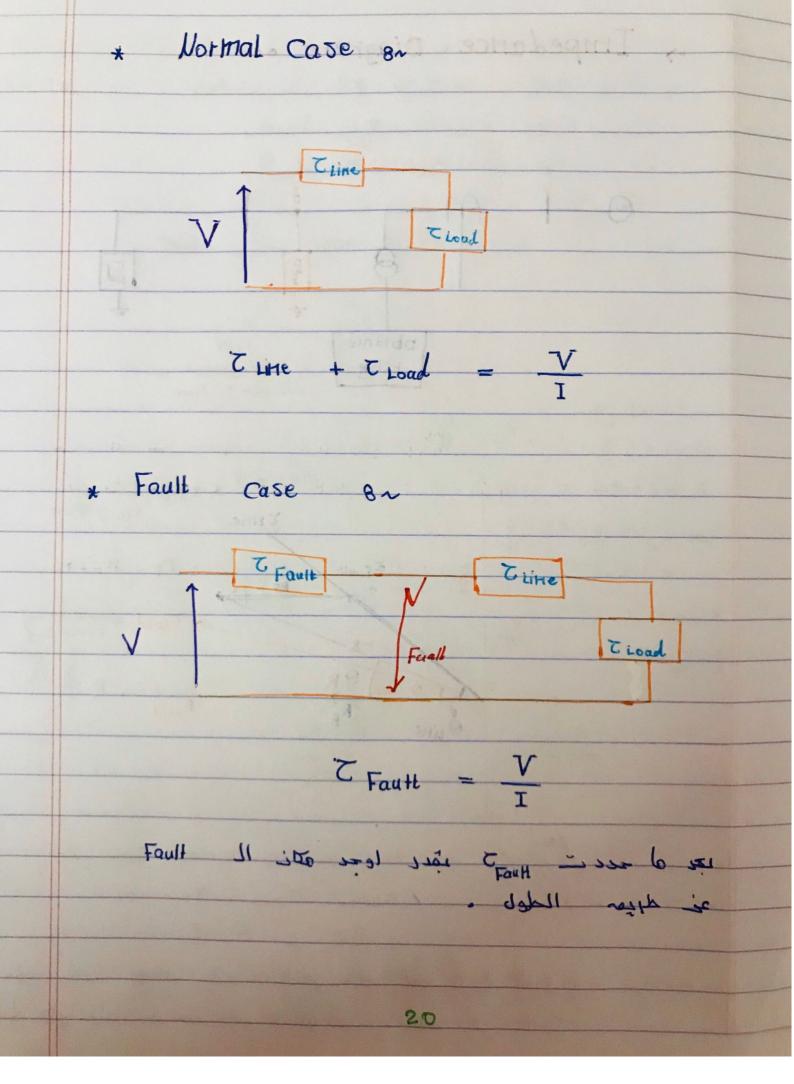
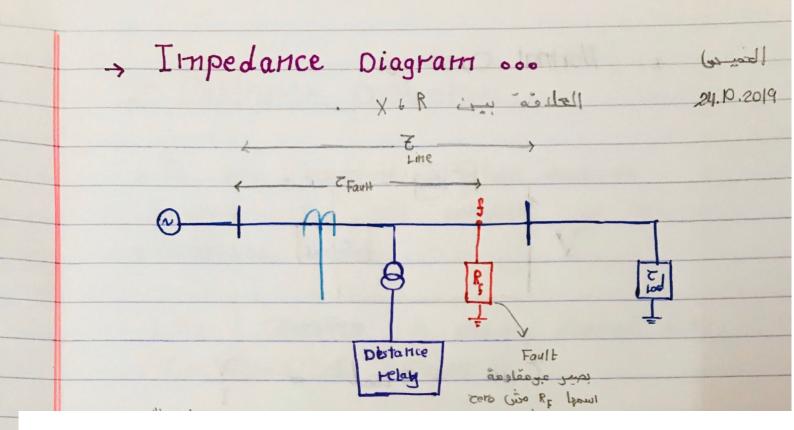
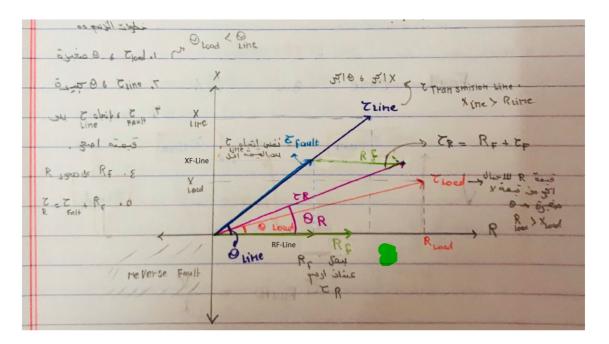
Distance protection. * To very important protection devices Specially For Unit protection or For transmision Line. Indust pride 1 * Its Operation is mainly depend of Calculation of impedance. Eransmision Line is ilso ago o bill Fault Il ibe sont sing fills is all Z Litte Z10ad







- Falt Helay Jennie al impedance Il Trelay inoli a 95 JOR. 1 TRelay = Trout + RF OR > QLoad tei the Mark I have sole to all the all the sol of the Hust . Fault go load ever ist ail vier wier in the jo lot of 21

and the set of the set + أخطر الحالة لما تتوت RF تبيرة , لانه الزاوية متدل ، وبتقترب عذ لمعمد (Red Gries lit estable relay a R XI ; . Fault avies Jee (enall Lord , it's 8 i and a state of the state of t the state of the state of the state 22

> Jelaction of Zone in distance protection 8-1. Theoritical Zones. R R A $\begin{array}{ccc} \leftarrow & \text{Tone} & \rightarrow & \leftarrow & \text{Tone} \\ 1 & 2 & \rightarrow & \leftarrow & \text{Tone} \\ 1 & 1 & 1 & 1 & \rightarrow & \leftarrow & \text{Tone} \\ 1 & 1 & 1 & 1 & \rightarrow & \leftarrow & \text{Tone} \\ 1 & 1 & 1 & 1 & \rightarrow & \leftarrow & \text{Tone} \\ 1 & 1 & 1 & 1 & \rightarrow & \leftarrow & \text{Tone} \\ 1 & 1 & 1 & 1 & \rightarrow & \leftarrow & \text{Tone} \\ 1 & 1 & 1 & 1 & \rightarrow & \leftarrow & \text{Tone} \\ 1 & 1 & 1 & 1 & \rightarrow & \leftarrow & \text{Tone} \\ 1 & 1 & 1 & 1 & \rightarrow & \leftarrow & \text{Tone} \\ 1 & 1 & 1 & 1 & \rightarrow & \leftarrow & \text{Tone} \\ 1 & 1 & 1 & 1 & \rightarrow & \leftarrow & \text{Tone} \\ 1 & 1 & 1 & 1 & \rightarrow & \leftarrow & \text{Tone} \\ 1 & 1 & 1 & 1 & \rightarrow & \leftarrow & \text{Tone} \\ 1 & 1 & 1 & 1 & \rightarrow & \leftarrow & \text{Tone} \\ 1 & 1 & 1 & 1 & \rightarrow & \leftarrow & \text{Tone} \\ 1 & 1 & 1 & 1 & \rightarrow & \leftarrow & \text{Tone} \\ 1 & 1 & 1 & 1 & \rightarrow & \leftarrow & \text{Tone} \\ 1 & 1 & 1 & \rightarrow & \leftarrow & \text{Tone} \\ 1 & 1 & 1 & \rightarrow & \leftarrow & \text{Ton$ + all il stat all laid lie de lide lie 4 Fault Il öcläg 6 still éle de saisé distance prote 121 + والشنبين عملن بتوذ فيجم خطا يوجل لـ ١٠٥٥٠ + صُلاً . 8 -20% it it align est sould be fault Il bor sig 6 80% LI Conet store . it stag tone _ is 8 + 20% ibs Time is is Falt Jose 6 120% 1, 20ne site ai المرا في يعنوه ال إعامة وهو فعالم ب عامة , time delay is is fill g

2. practical Zone 8 LB Cone 3 A Cotte -> B C P R L, A. Cone 1 -> 80% L, "his sail gier Cohe 2 -> 120 % La (±20%) Cone 3 , 200 % La B. Cone 1 ____ 80 % L. aiphilles Cone 2 _ 100 % + 1 20-50)%. L où del lanz Le Son Le Son Le Son Le deals in the star - 1945 - parallel Line II - Ile et ties - 200 B acit 1 Tal + (05-05) ai del leave in the العطاللقمع Cotte z K Fault Il is ungall & 1-Li Le bill 6 mi Toke 2 1 قمبر تشر ٤ فمار - بعثورا ا Fault Cone 3 - Fault 11 the lis متوازيا -ومده بمسر مشكلة بالتفعيل . 24

id of a beef TET Fault Tones , she Fault Il ist ale e Fonos بعى نظرياً او بهاى الطريقة هو برع مامح وهاد خطأ مع مستكة في التفعيل . 15/02-05 1 + 1/08 001 -م سواء تاذ الخط الذي يني الخط العرار معايدة Lech le and 13 amiles . في فضل استخدام الطريقة A . a llderse a runder e llage Harales in Hundle 25