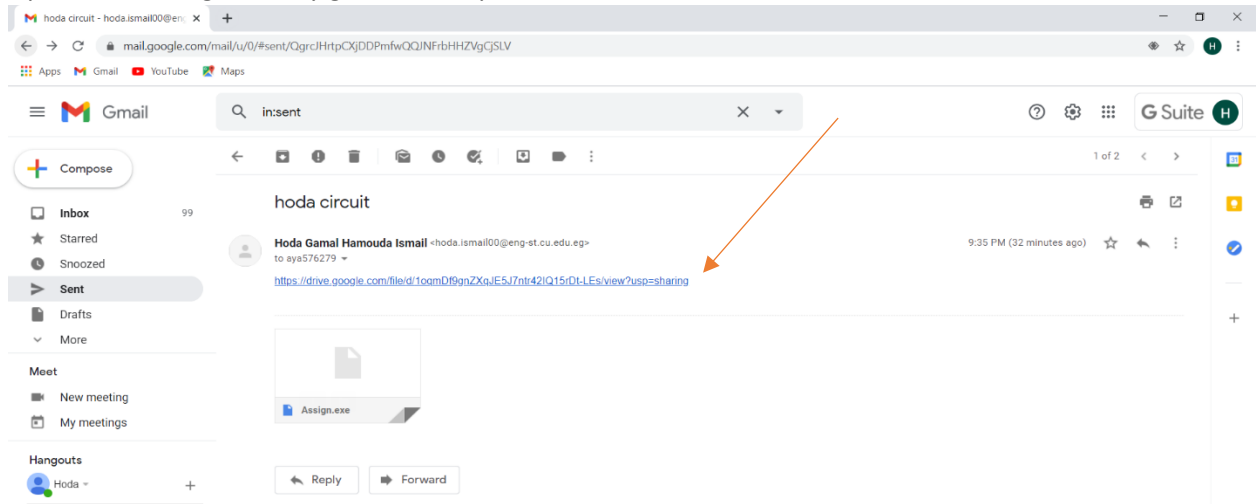
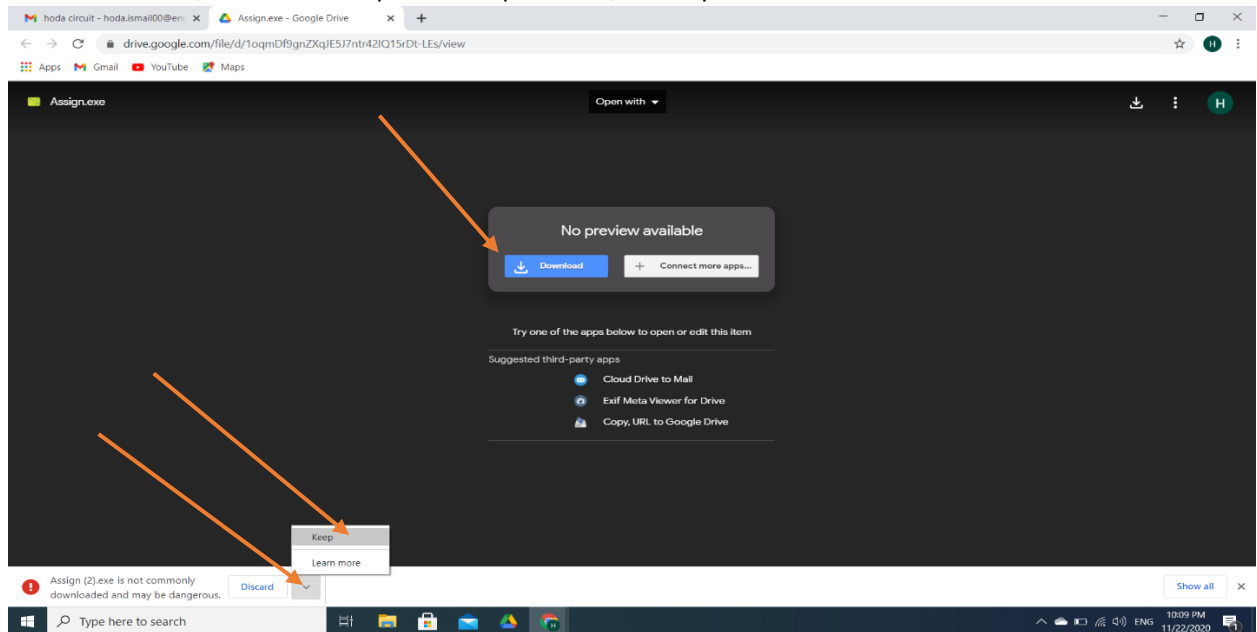


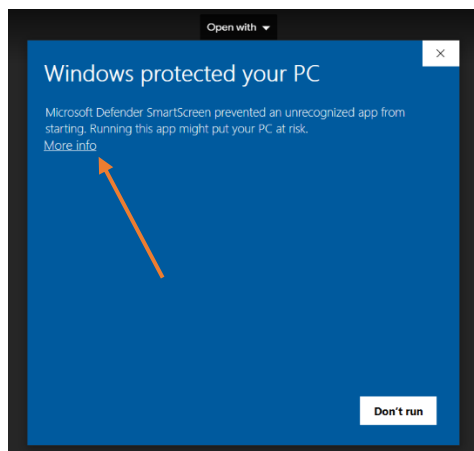
1- Open the message sent by g-mail, then press the link.



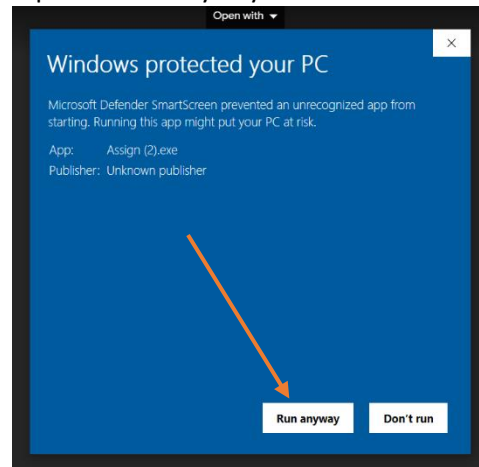
2- Press download, next choose option “Keep” below, then open the file.



3- This message will appear, press “More info”.



4- press “Run anyway”.



5-The program form will appear.

- Enter Input Resistors ( $R_{12}$ ,  $R_{23}$ ,  $R_{31}$ ) respectively to transform from delta to star branch, ( $R_1$ ,  $R_2$ ,  $R_3$ ) respectively to transform from star to delta branch.

Star - Delta Transformation

Enter Input Resistors :

$R_{12}, R_1 =$    $R_{23}, R_2 =$    $R_{31}, R_3 =$

Equivalent Output Resistors :

$R_1, R_{12} =$    $R_2, R_{23} =$    $R_3, R_{31} =$

6- Press the button of transformation you want, then you get Output Resistors.

Star - Delta Transformation

Enter Input Resistors :

$R_{12} =$    $R_{23} =$    $R_{31} =$

Equivalent Output Resistors :

$R_1 =$    $R_2 =$    $R_3 =$

Star - Delta Transformation

Enter Input Resistors :

$R_1 =$    $R_2 =$    $R_3 =$

Equivalent Output Resistors :

$R_{12} =$    $R_{23} =$    $R_{31} =$

7- you can enter other Input Resistors, next press a button to choose transformation you want, then you will get Output Resistors.