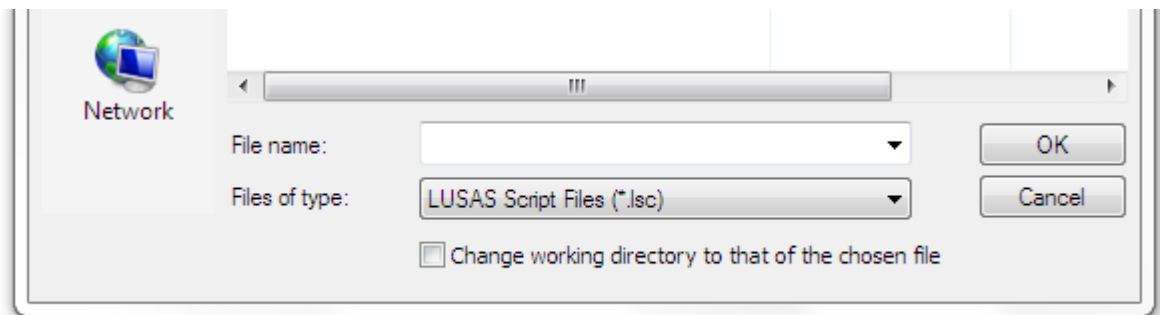**Expand Smart Combinations Script**

This script computes most adverse effects for Smart Combinations based on sign of results. The expansion allows you to see and check the permanent and variable factors used for each component load cases in Smart Combinations.

1. Unzip the downloaded file and copy the files on your working folder.

2. Select nodes or elements for which you want to extract detailed Smart Combination results.

3. Set the desired Smart Combination load case active.

4. Click "File->Script->Run Script" and choose lsc in the drop down for File type as shown below and then point to the script.

 5. In your working folder an Excel file will be created with the detailed results in it. Open this file to see the details.

Notes

1. THIS SCRIPT IS NOT PART OF LUSAS SOFTWARE AND AS SUCH IS NOT QUALITY APPROVED OR SUPPORTED. IT IS PROVIDED ON AN AS IS BASIS FOR DEMONSTRATION PURPOSES ONLY.

2. If the number of loadcases to consider is unset all permanent factors are applied and variable factors are applied which generate the most adverse affects.

3. If the number of loadcases to consider is specified but number of variable loadcases is not specified, permanent factors will be included for the specified number of loadcases and variable factors will be included if they are adverse.

4. If the number of loadcases to consider and the number of variable loadcases are specified then permanent and variable factors will only be applied if they are adverse.