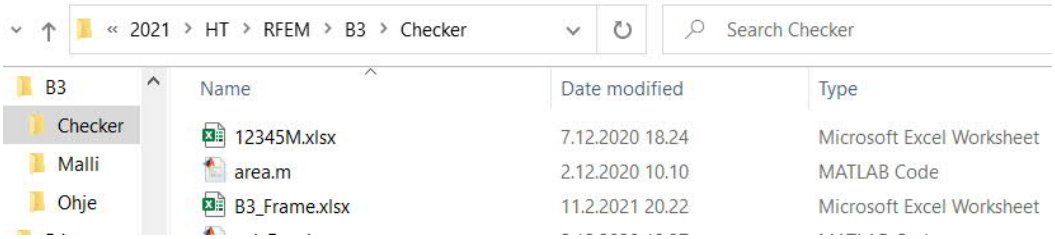
Home Work B3

DIRECTIONS FOR CHECKER

To check the FEM model of the frame, a checker running in Matlab is used, which is packed in a folder Checker_vvvvkkpp.zip. Follow these steps:

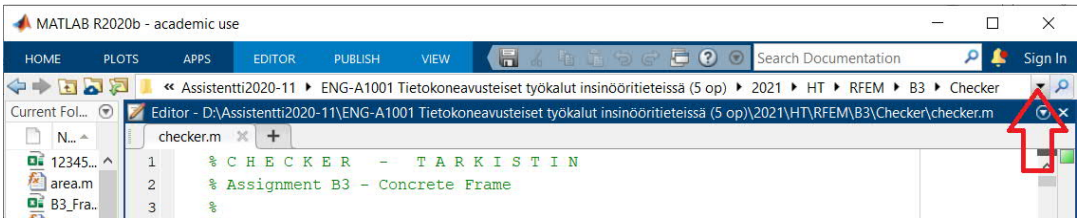
1. Export the model data of the frame made with RFEM to an Excel file. Instructions for this can be found in the ***RFEM Directions for Computer Exercise*** chapter ***Exporting and Importing***. Give the resulting file a name **B3_Frame.xlsx**.

2. Extract the compressed folder **Checker_vvvvkkpp.zip** to the checker folder. Move the file **B3_Frame.xlsx** to the checker folder. A description of the checker's files can be found in the file **Files.xlsx**.

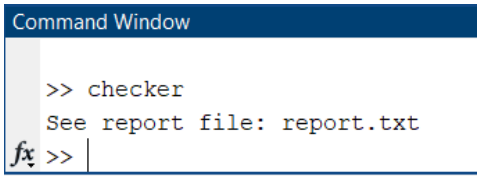


3. In the checker folder, double-click the file **checker.m**. This will open Matlab.

The path to the checker's file folder appears in the title bar. Alternatively, you can first open Matlab normally and then update the path.

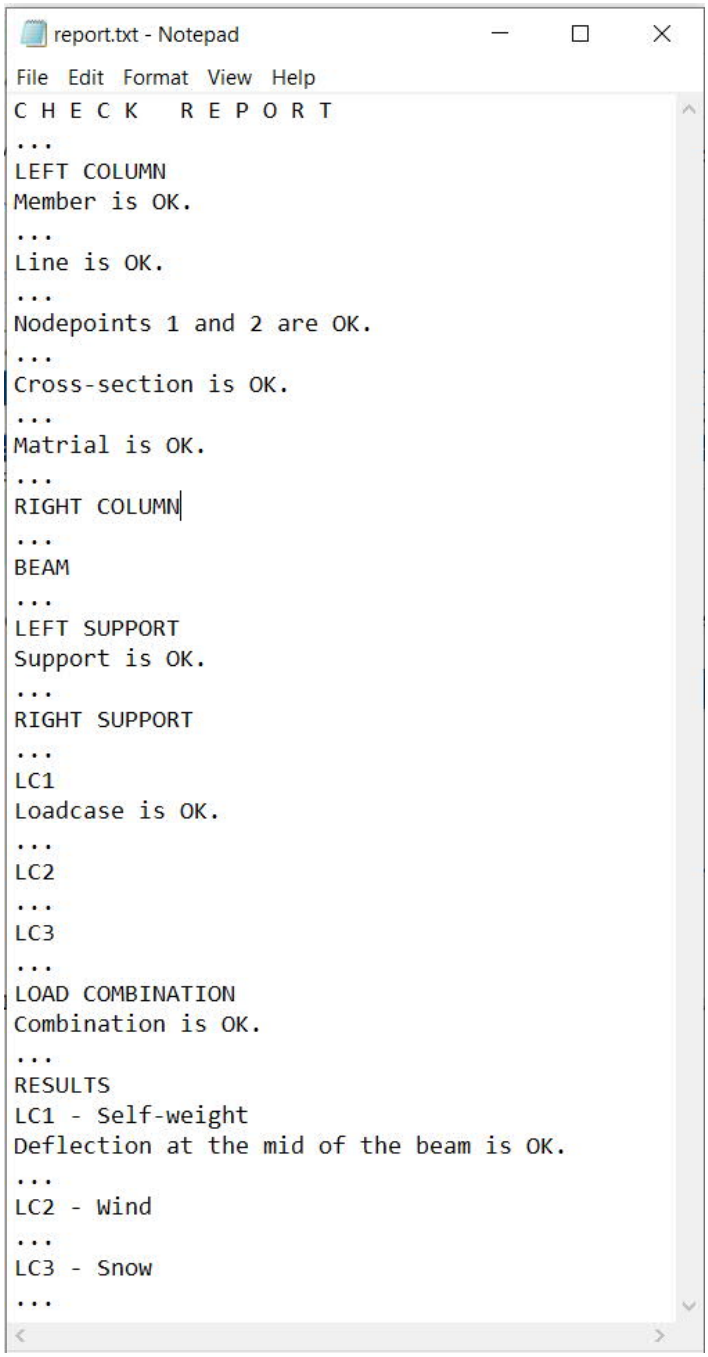


4. Write a command "checker" in Command Window.



The checker creates a report **report.txt** in its folder. The image below is a snapshot of the file. Three dots indicate that some data has been deleted. If the report reports an error, look for the

error. If the program is interrupted by an error, you can deduce from the missing part of the report what error is in the model.



The checker's memory can be cleared in the Matlab command window with the "clear" command.