**TASK:**  
User uses the switches as 8 bits. The user can set the amount of rows for an matrix (dynamic). User inputs 0’s and 1’s to the matrix.

After, the user can choose the operation AND/OR/XOR for the rows. The results are shown with the LEDs.

SSD dysplays the row that is being edited.

Also make a function that delets a row.

**GRADING (10p):**

Use of dynamic memory for data input. (2p)  
Function to deleting a row. Row number should be chosen with switches. All rows after the deletion must move up by one (thesre must be no empty rows). (2p)

Logical operations work correctly. Logical operation should be chosen via the buttons. (2p)

Displaing the results. Also dysplays the input state with the LEDs. (2p)

For maximum points, the program should inform the user on what to do next, when the user tries to do something incorect, the program lets the user know with an error text. (Because the simulator does not support LCD dysplay, use printf function instead.) (2p)

**Send your „micro\_main.c“ (with your name in a comment) to the email** [**stsirk@taltech.ee**](mailto:stsirk@taltech.ee)**.**