Operations

You can use the following operations for you graph (just copy the objects and move in place):

*	+	square	sum over rows
/	-	root	sum over columns

Example

Y = sqrt(*s***X** - **w**),

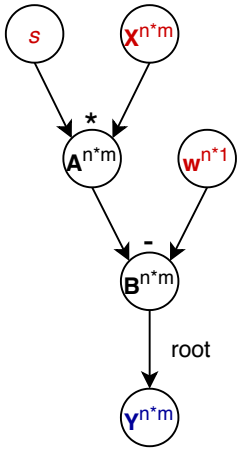
where **Y** is a matrix n*m,

s is a scalar,

X is a matrix n*m,

w is a vector n*1

*sqrt stands for square root



Instructions

Create a graph for computing MSE based on the formula you wrote in the exercise 4.2. Pay attention to the dimensions!

- just copy the operation objects and the objects from the example graph, fill in the content and arrange accordingly (don't change the font size);
- use red font color for input nodes, black for intermediate and blue for the output node;
- don't forget to stick to the conventional way of defining matrices, scalars etc. (e.g, italics, bold, upper/lower case and so on) and properly mark the dimensions;
- the names of the input and output nodes should correspond to the names in the jupyter notebook;
- for the intermediate nodes, choose names in alphabetical order: a, b, c ...
- take a screenshot of the resulting graph and insert it in the jupyter notebook (the instructions for inserting the graph you will find in the notebook). Don't forget to add the file with the graph in the archive together with the notebook file when submitting.

Points will be deducted for not following the instructions.