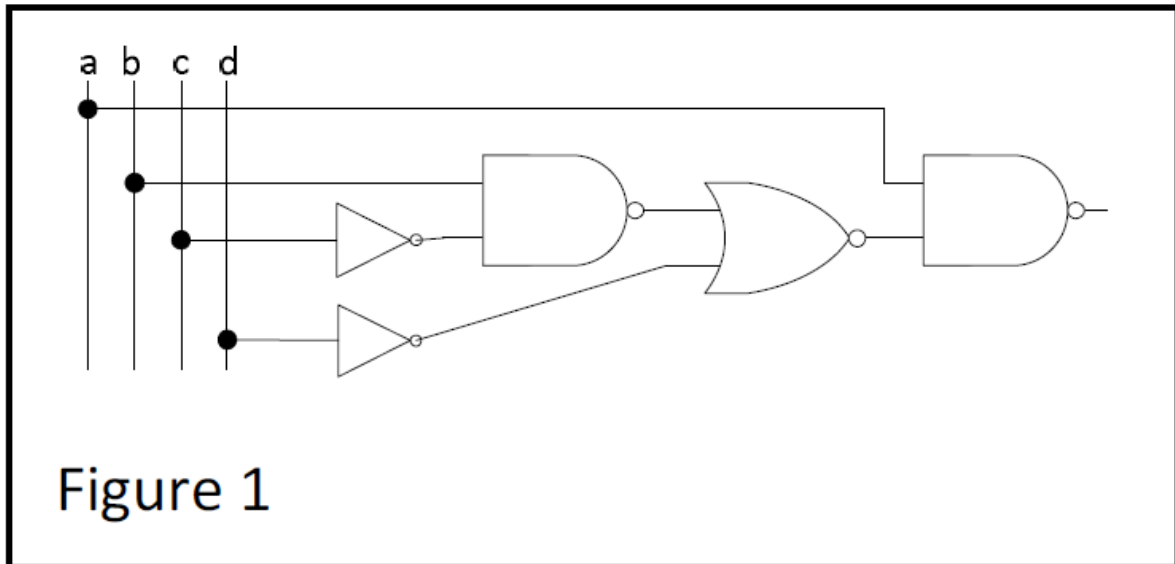## Exercise 1 Combinational circuit

For the logic circuit presented below **create the truth table** and calculate the value of the output function for all possible configuration of the input variables a, b, c, and d. Descriptively explain the method of obtaining the value of the function. In your report include Figure1, truth table, the description of obtaining the values and connection scheme.
During classes you will have to assemble the logic circuit presented below using breadboard and validate if output function determined by you is correct.

Figure 1

Some useful material

- https://www.youtube.com/watch?v=eJHmVlzH_9Q
- https://www.youtube.com/watch?v=IDf2vEcyDfs
- https://www.youtube.com/watch?v=gwcVr5VfXwA
- https://www.youtube.com/playlist?list=PLx8wqYaEHy5NLtl76oOufT1EPUSKgVulu
- https://www.youtube.com/playlist?list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm