Introduction

The project consists of making a system that can determine the maximum value in a matrix. For this purpose, a new submodule will be made with the ability to accelerate this process by comparing multiple cells of the matrix at the same time.
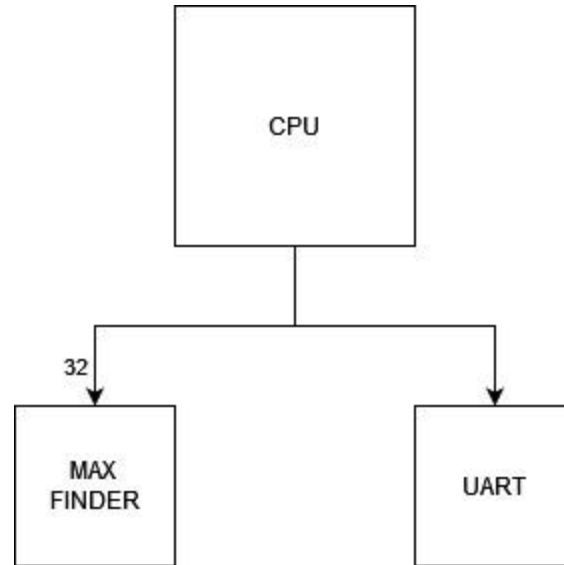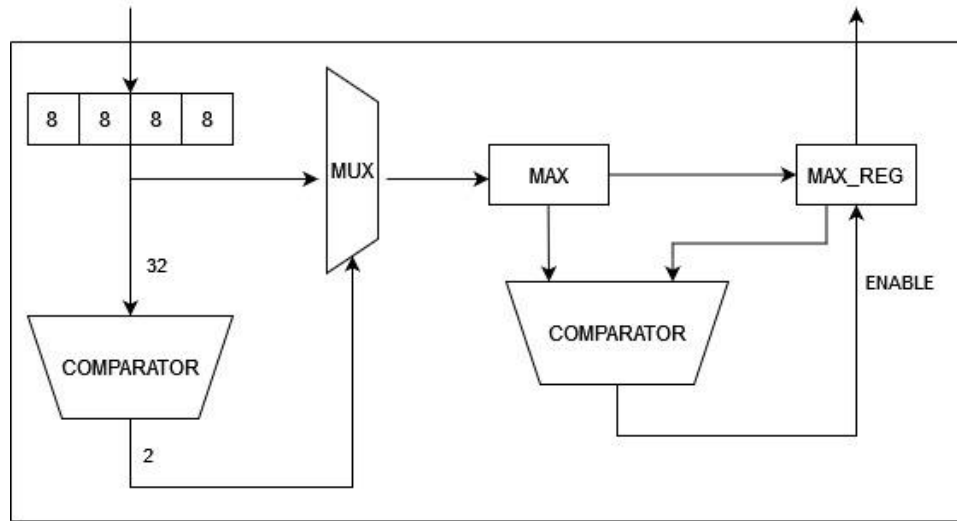
Diagram of the main board

Diagram of peripheral

Expected results

With the use of the peripheral, its expected that the system will be able to determine the maximum value of the matrix much faster, and also some extra features might be implemented given the degree of success achieved.