Lab 5

1. assignment

   Initialize an array and fill it with 20 random integer numbers from 1 to 10. It is also required to display the total number of elements with the value of 5 on the front panel using a numerical indicator. Finally the largest value of the array should be found and displayed.4

2. assignment

   Build a VI which includes into an array integer values input by the user using a single numerical control and a „INPUT" button (the value is stored if the button is pressed). Inputing the numbers is finished with the press of a „STOP" button. After the input is stopped calculate the average value of all the negative input numbers and display it on the front panel.

3. assignment

   Build a VI which generates a random number between 1 and 6 when the „GENERATE" button is pressed. Depending on the generated value a 2D array of LED indicators should be appropriately filled as demonstrated in the picture. The numbers should be generated until „STOP" is pressed. The values for the LED indicators should be from 1 to 6: