



Q1. Compute the N-matrix, related to application of Förstner interest operator to the following 5x5 window

10	13	3	11	13
11	15	10	9	9
9	24	7	8	10
10	13	14	15	13
13	18	17	19	21

Q2. Compute a measure of distinctness, related to application of Moravec interest operator to the following 4x4 window.

12	15	5	13
10	27	9	11
11	14	15	13
12	19	18	22

Q3. Convolve the window of Q1 with the each of the following 3x3 operators/filters:

- Moving average filter.
- Binomial filter.
- Sobel Operator (in row and column directions).
- Prewitt Operator (in row and column directions).

Q4. Convolve the following 5x5 window

1	2	1	1	1
1	1	9	2	1
1	9	9	8	1
1	1	8	1	2
2	1	1	1	1

With the Laplacian operator given by

1	1	1
1	-8	1
1	1	1

Also, trace the zero crossings in the resulted image.

