

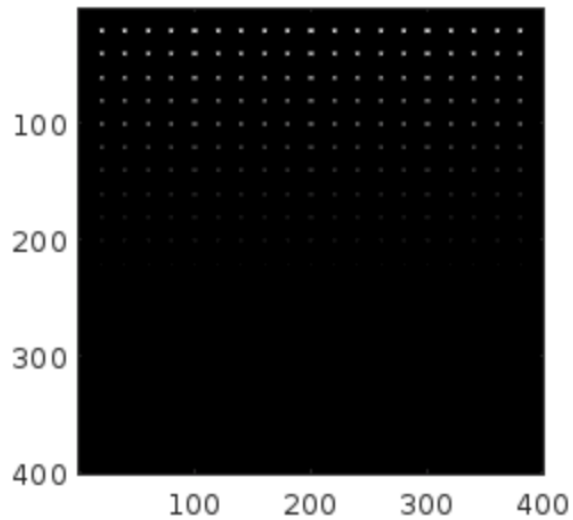
1.

a. Values of $R(17:23, 17:23)$:

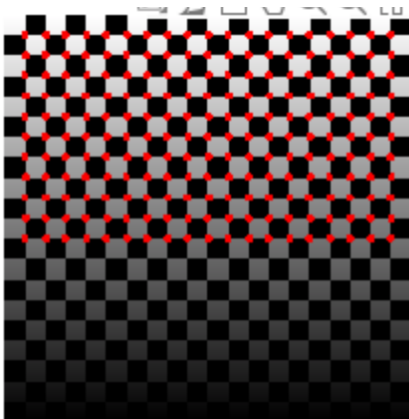
Output:

0.0004	0.0015	-0.0765	-0.4244	-0.4247	-0.0769	0.0014
0.0015	0.0578	0.1736	-0.0115	-0.0136	0.1708	0.0572
-0.0745	0.1733	0.9564	1.3360	1.3285	0.9479	0.1725
-0.4133	-0.0084	1.3329	2.2220	2.2104	1.3229	-0.0045
-0.4132	-0.0113	1.3205	2.2040	2.1925	1.3107	-0.0074
-0.0747	0.1687	0.9388	1.3149	1.3077	0.9306	0.1680
0.0014	0.0561	0.1704	-0.0023	-0.0041	0.1680	0.0555

b. Thresholded R

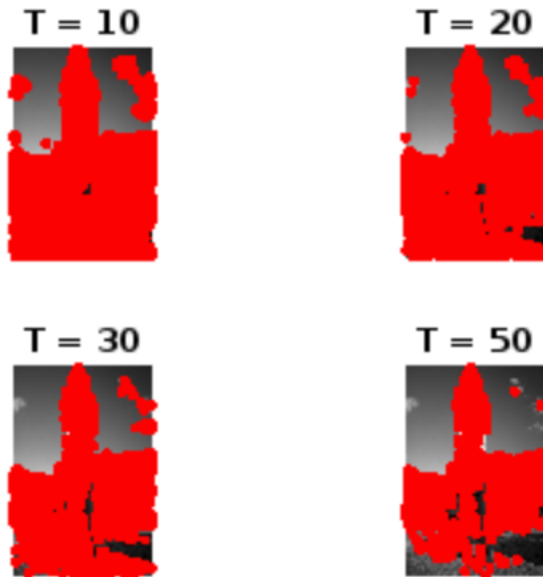


c. Non-maximum R



Discussion: For this question, I add a pause command between each sub-questions. You need to press any key to continue runing.

2. Fast feature points on the tower.png



We can see with the Threshold getting bigger, there are fewer FAST feature points on the image.