Data Buffer

I have used an if statement to ensure that when the buffer exceeded 2 images, the oldest image get erased from the buffer.

Keypoins

I have used if statements to implement the chosen detector. Furthermore, I have used new variable (*filtered*) to hold the keypoints inside the specified rectangle. When all the points are stored, these keypoints overwrite the original keypoints in *keypoints* variable.

Descriptors

Same method applied in keypoints section was also used in this section. FLANN, K-nearest neighbor, and distance ratio test was adapted from the lessons in this course.

Performance

Task 7

printf statement was used to print the size of the keypoints in the rectangle. The mean and variance of keypoint.size of all 10 images were used to quantify the distribution of neighborhood size.

Task 8

Printf statement was used to show the number of keypoints matches of each pair in the 10 images per combination.

Task 9

The average time of the 10 images of all combination was done.