Exercise 10: Background subtraction

In this exercise, you will use implement your own background subtraction algorithm to detect people and cars. You will then experiment with the use of availble OpenCv background subtraction algorithms.

- Write an opencv application which loads and displays the video PETS2000.avi which is available on Its Learning

- Implement you own version of one of the background subtraction algorithms

- Perform background subtraction using one of the OpenCV methods (See e.g. https://docs.opencv.org/4.5.4/d1/dc5/tutorial_background_subtraction.html). Look at the OpenCV documentation for used background subtractor class and find the article which the OpenCv implementation references. Is the OpenCV algorithm similar to any of the algorithms discussed in the lecture?

- Compare the output of your method with the opencv implementation