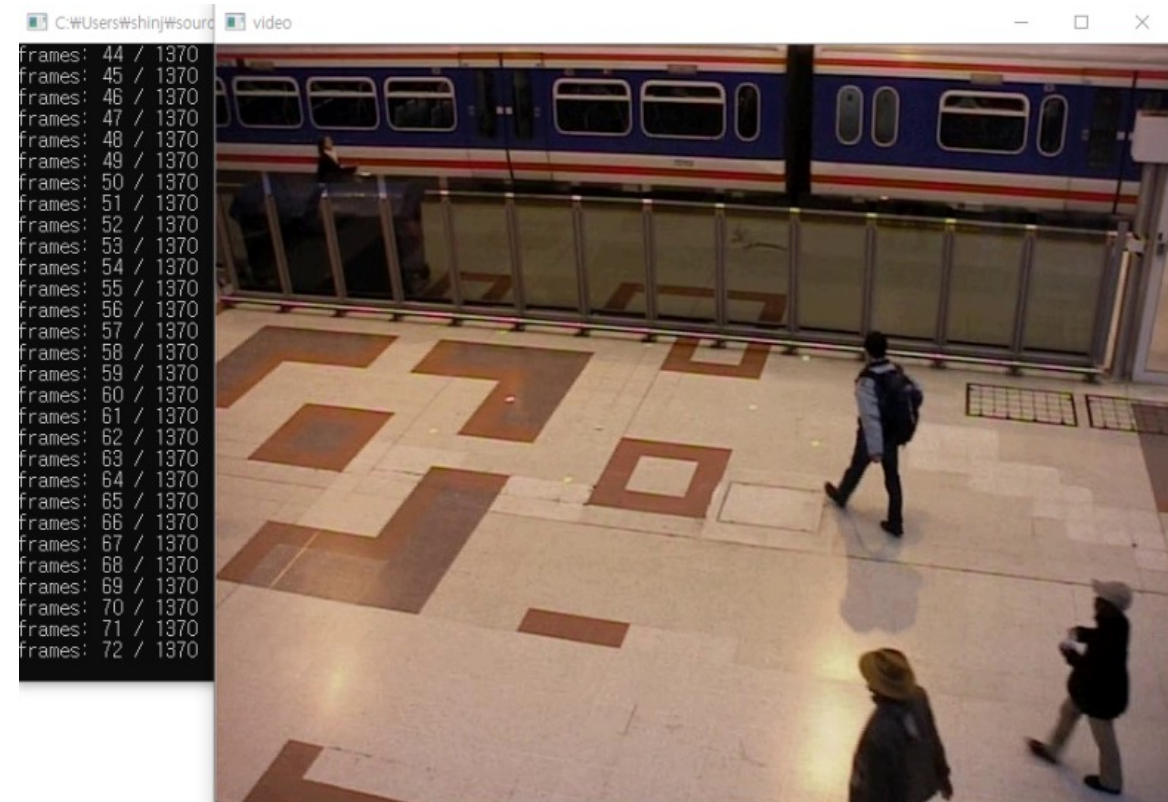# Assignment 1

Sung Soo Hwang

# Assignment 1

- Read a video "background.mp4"
- Display video for the first 3 seconds
- Find out the proper input parameter for waitKey()
- Print out the number of the current frame and the total number of frames
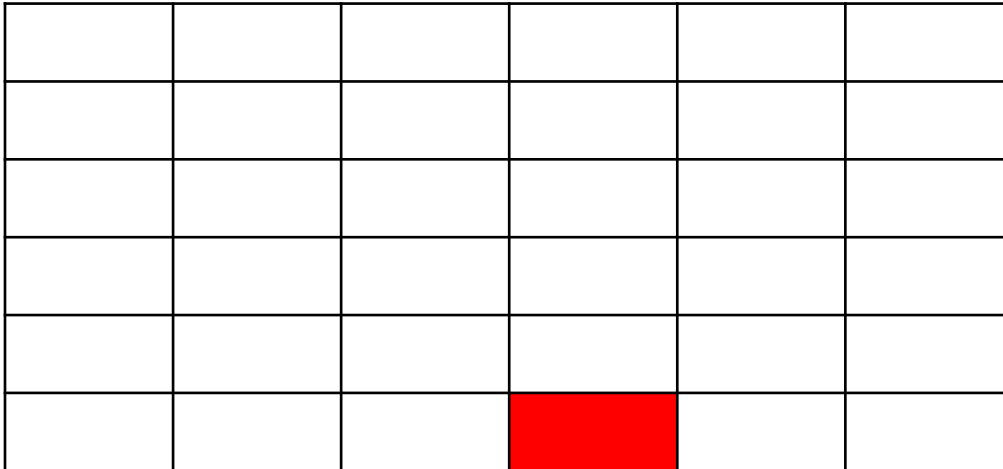
# Exercise 1

Sung Soo Hwang

# Exercise 1

- What is the x coordinate and y coordinate of the pixel marked in red?

# Exercise 1

- Suppose you have a 3 channel color video whose specification is described below. Calculate the amount of bytes we need to save the video without compression
  - Pixel resolution is UHD
  - 60fps
  - Intensity level is 1024
  - Total length is 30 minutes

# Exercise 1

- Suppose you want to display a video two times faster. If the frame rate of the video is denoted as fps, what should be the parameter for waitKey() function?

# Exercise 1

- Write a code that declares a matrix whose name is 'test', and the size of matrix is VGA, and the pixel type is 3 channel, 8-bit unsigned. Also, initialize the pixel as green.