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LABORATORY #3

Summary

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- Thresholding
- Mathematic Morphology

- Develope the following functions:
- void binarize(const cv::Mat &in, cv::Mat &out, unsigned int th);
  - That, given a threshold, obtain a binary image out from a input image in (where binary means 0 or 255 CV_8UC1)
- Apply such a function on the results of background subtraction

- Develope erosion/dilation functions, i.e.
  - void dilation(const cv::Mat &in, const cv::Mat &se, const cv::Point2i &origin, cv::Mat &out);
- Use them to apply an aperture on the results of previous steps using the following SE (the red value is the origin)

1	1	1
1	1	1
1	1	1

- Label each cluster using a row by row labelling technique