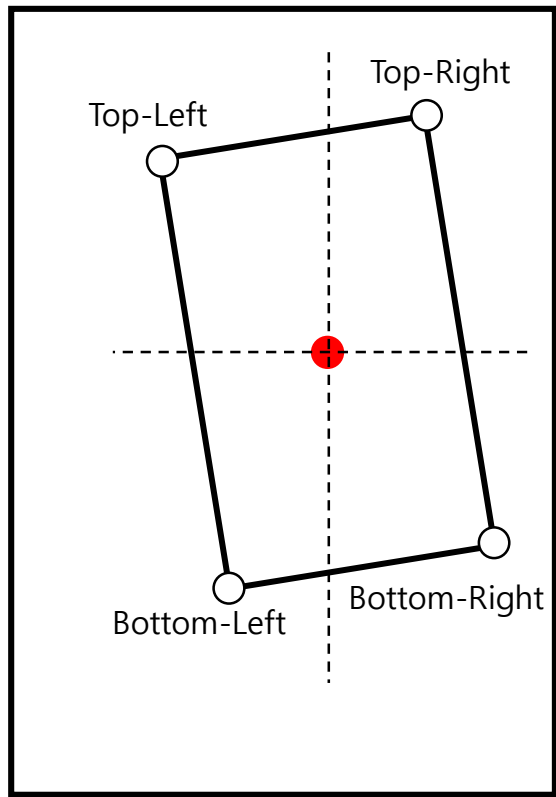
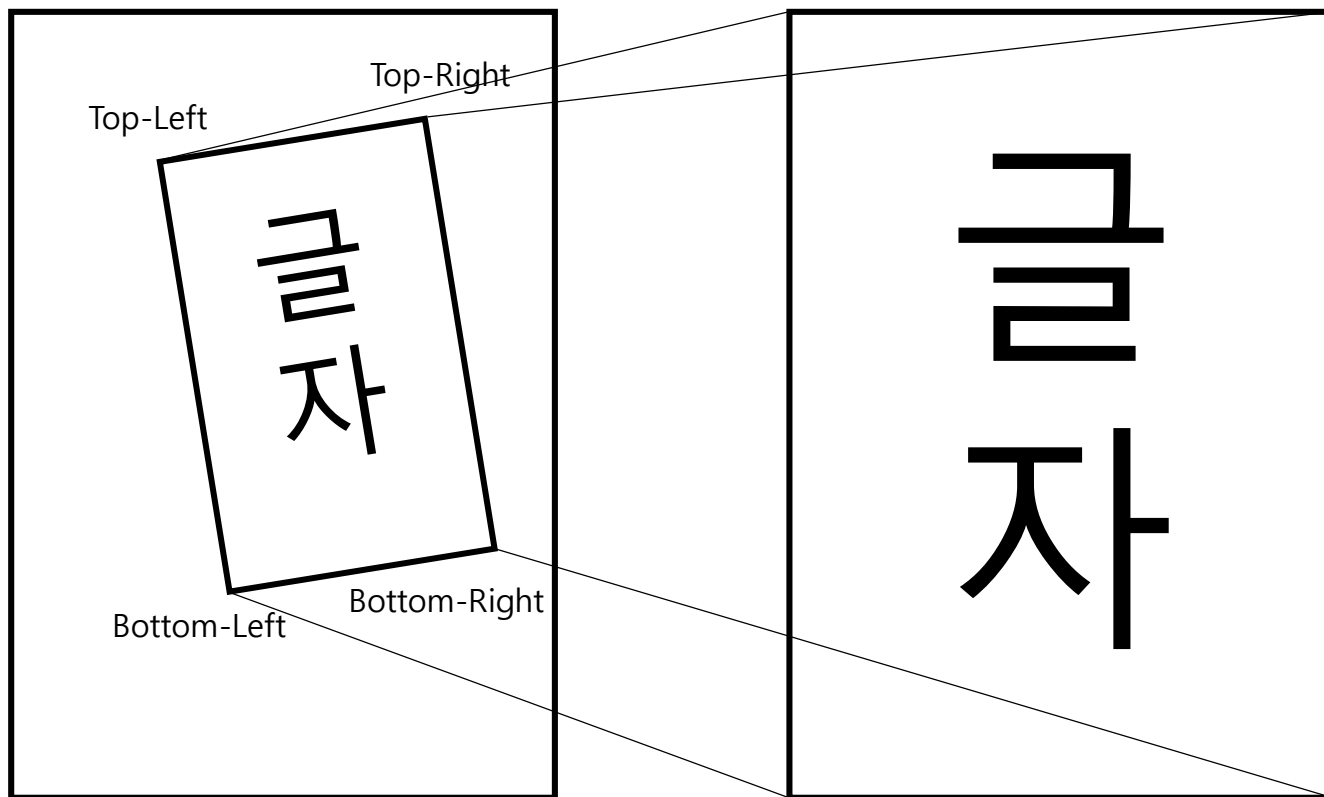


get_roi2(cnt)

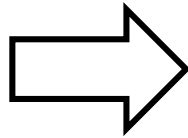
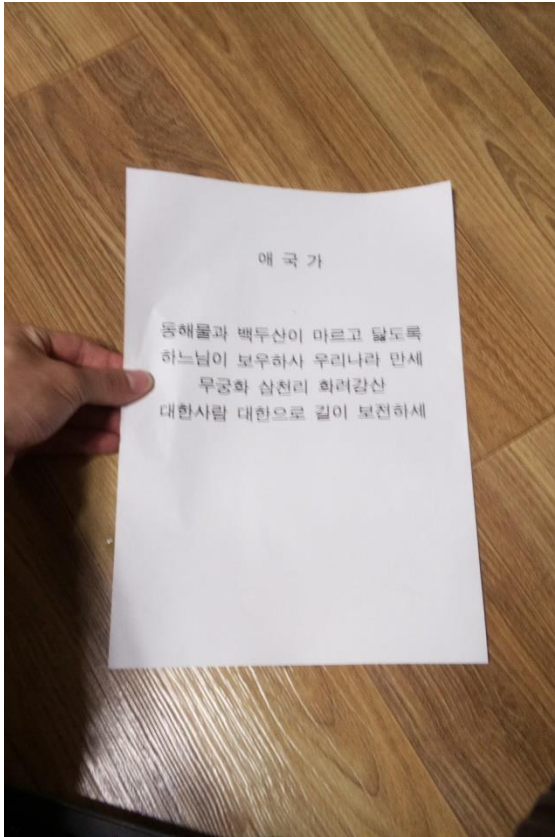


determine each point's attribute

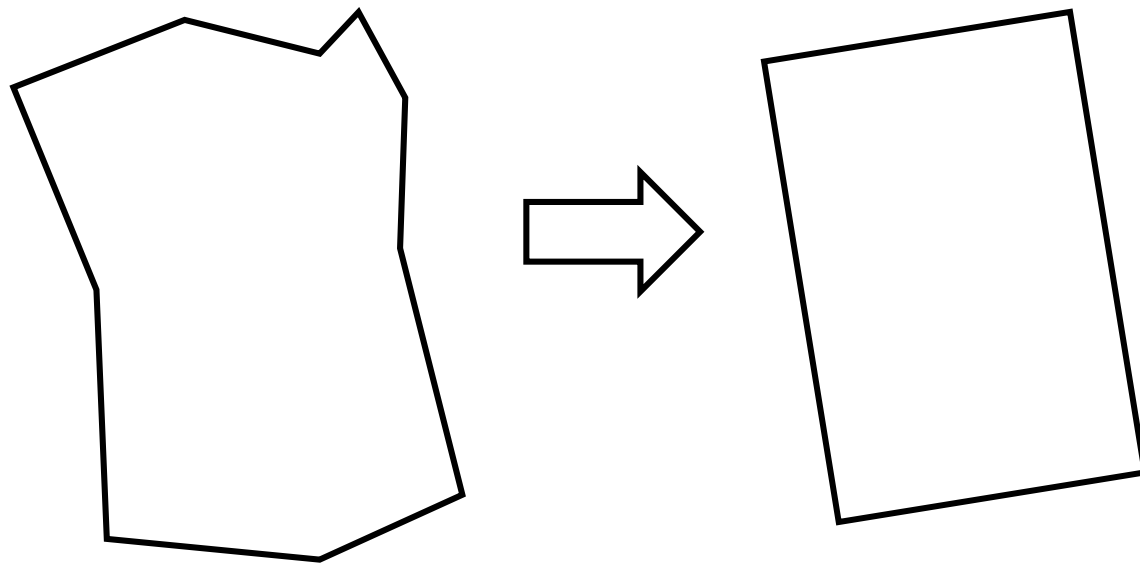
img_projection(img, src_points)



frame_filter(frame)



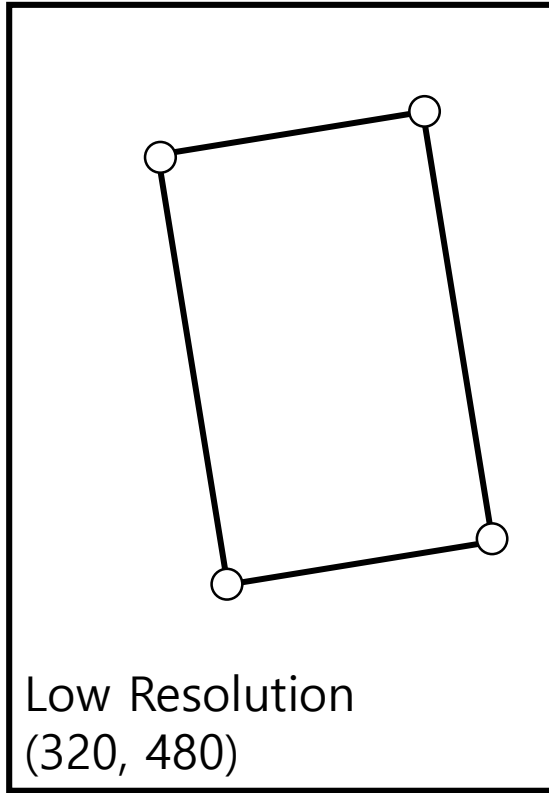
approx_contour(frame)



find_paper()



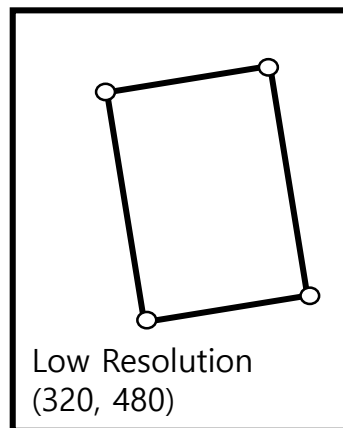
frame_filter(frame)
approx_contour(frame)

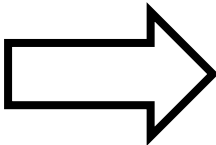


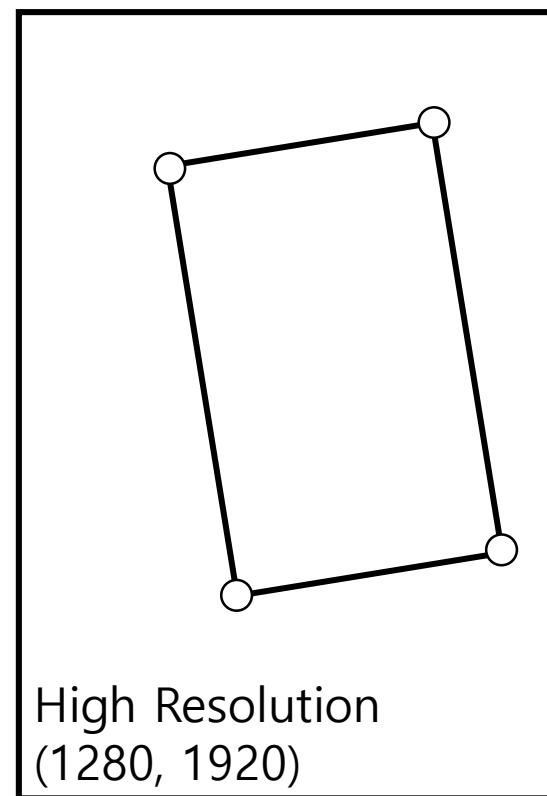
`capture_paper(src_points, src_resolution)`



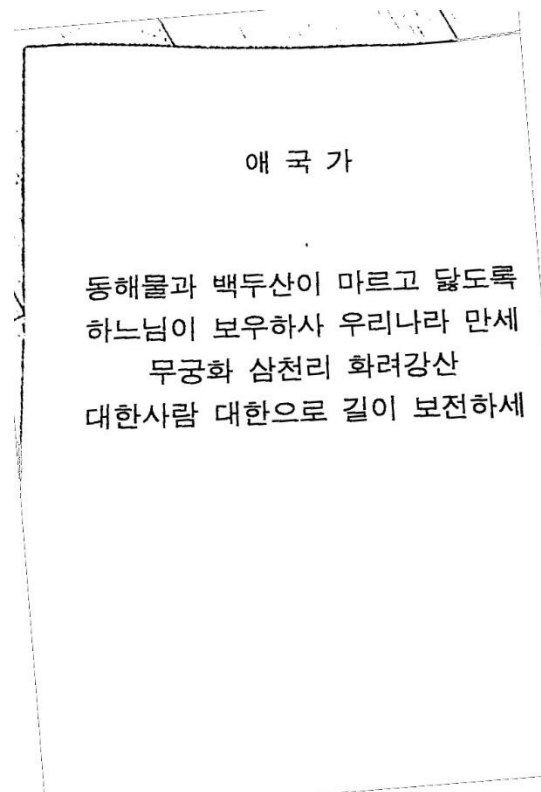
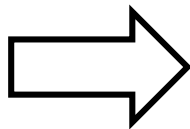
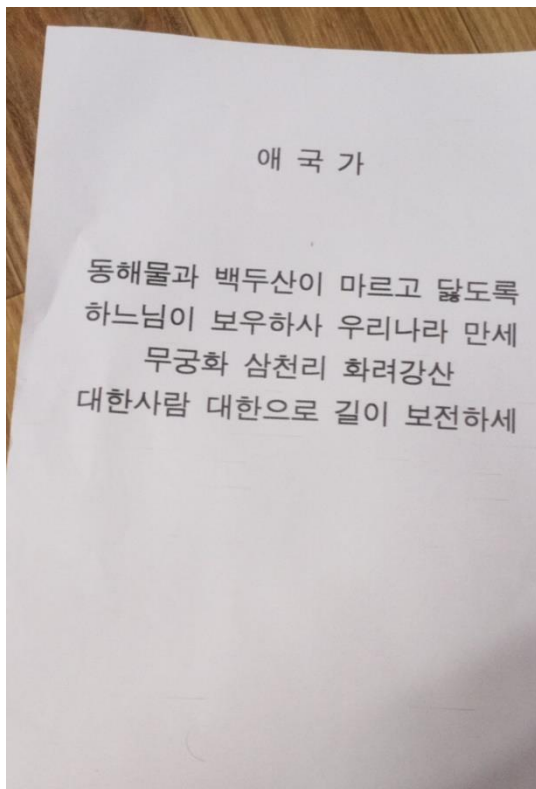
`img_projection(img, src_points)`



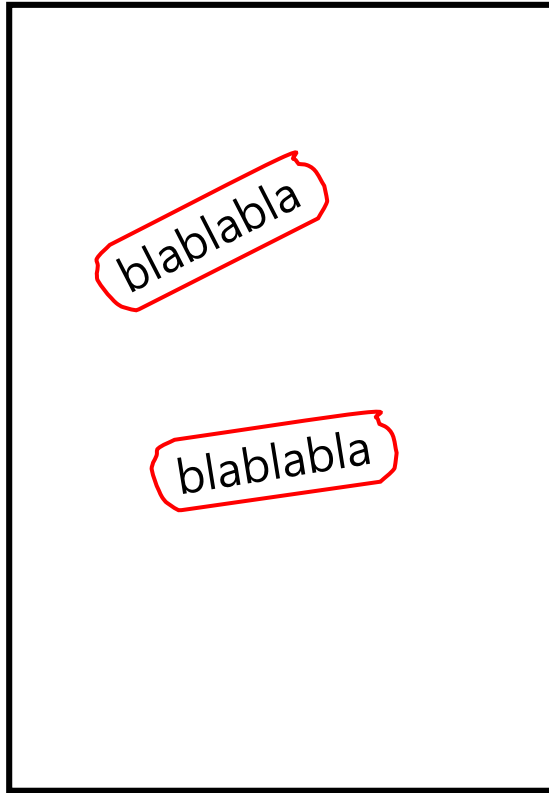

coordinate
transformation
from low resolution
to high resolution



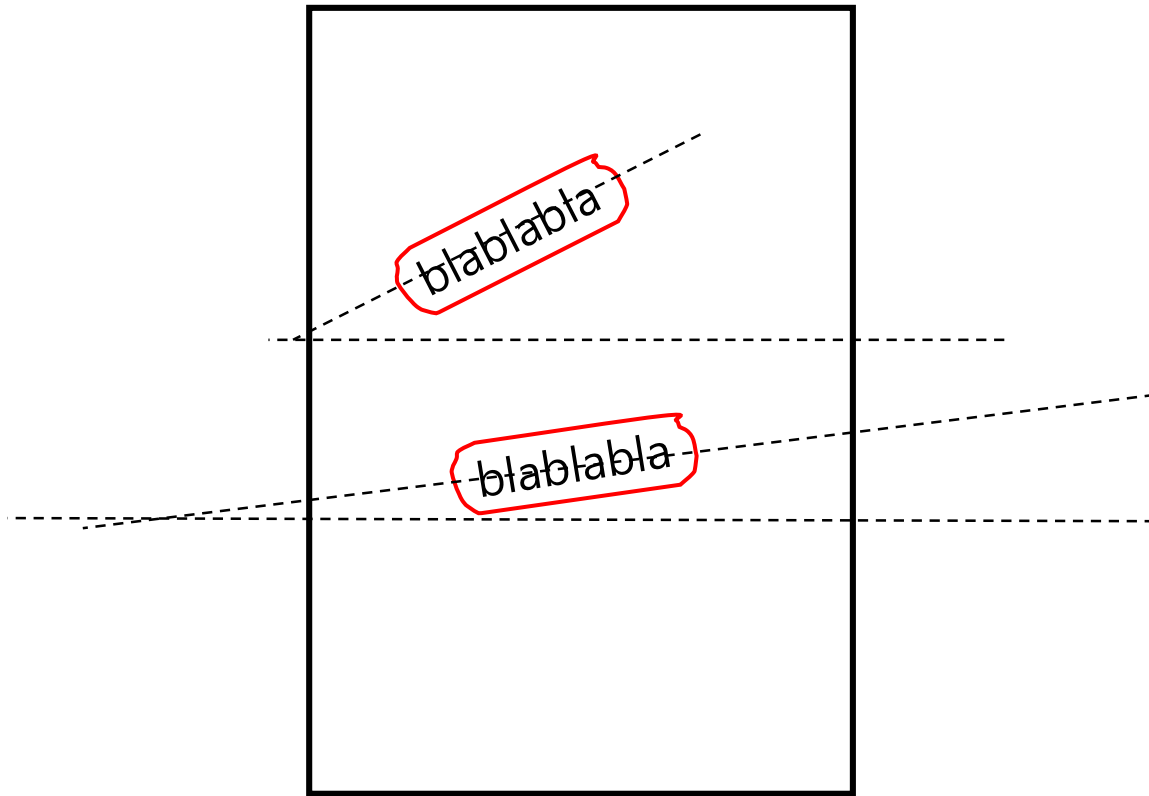
img_filter(img)



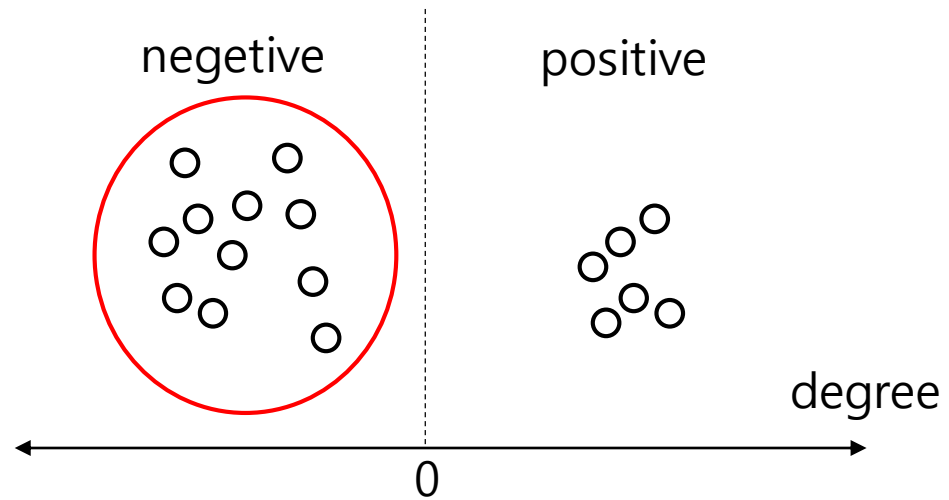
letter_contour(img)



contour_degree(contours)

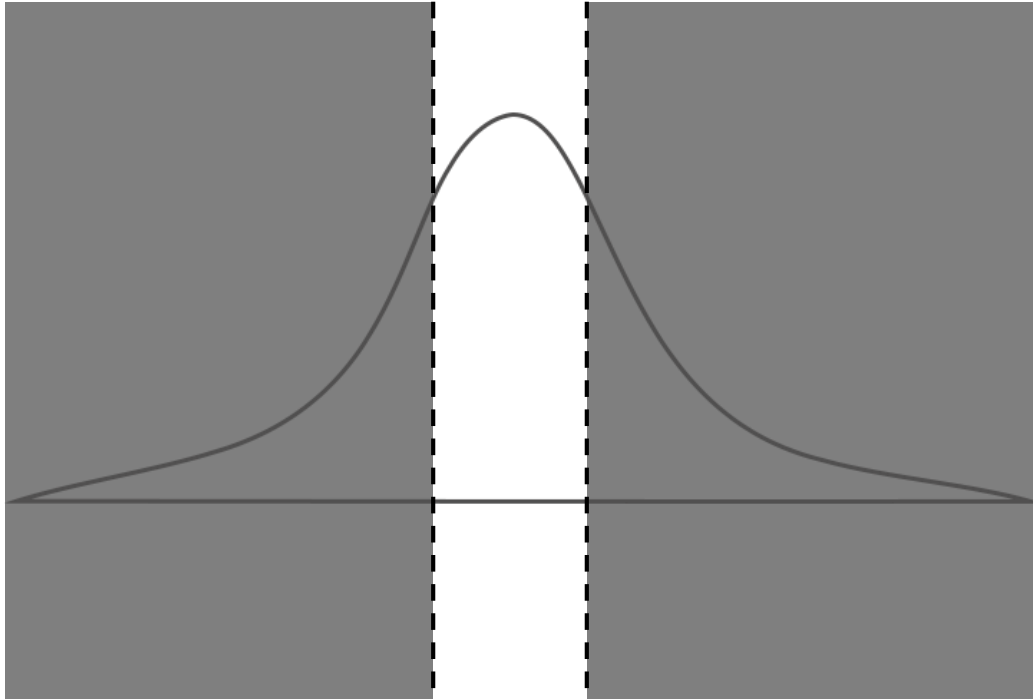


degree_select(degree_list)



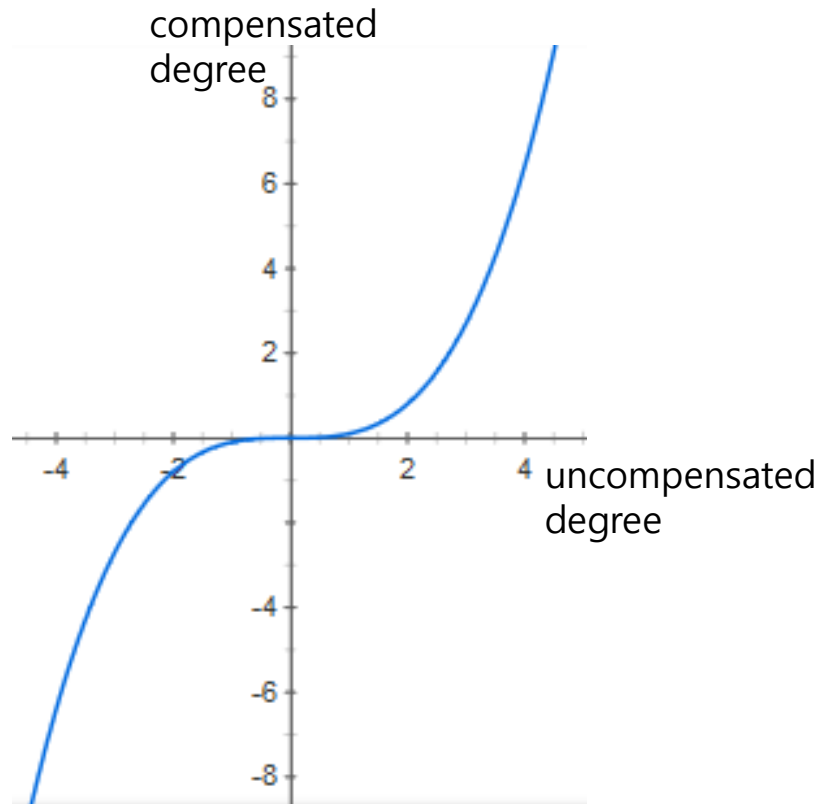
select the group that has more data

`exclude_outlier(degree_list)`



exclude outlier

degree_comp(degree)



ocr_tts(img_path)

