CAP5415 Computer Vision

Assignment # 3

Write a report on different thinning methodologies. In particular, read the following papers:

1. L. Lam, S. W. Lee, C. Y. Suen, "Thinning Methodologies - A Comprehensive Survey," IEEE Transactions on Pattern Analysis and Machine Intelligence, vol. 14, no. 9, September 1992.
2. T. Y. Zhang, and C. Y. Suen, "A fast parallel algorithm for thinning digital patterns," Communications of ACM, vol. 27, no. 3, pp. 236-239, 1984.
3. P. S. P. Wang and Y. Y. Zhang, "A fast and flexible thinning algorithm," IEEE Transactions on Computers, vol. 38, no. 5, pp. 741-745, 1989.
4. Z. Guo and R. W. Hall, "Parallel thinning with two-subiteration algorithms," Communications of ACM, vol. 32, no. 3, pp. 359-373, 1989.