

Paper

Minsky, M. "K-lines: A Theory of Memory", MIT Artificial Intelligence Laboratory Paper, June 1979.
WRT: 50 min

Assignment

You may find the questions in this assignment highly interrelated. Think about all the questions before you write answers for any. Also, you may choose to interdigitate your answers to multiple questions, but if so, clearly indicate that you are doing so. On a total of one side of one sheet of paper, using 10 pt type or larger, with standard interline spacing and margins, respond to all the following:

- You are David Marr, and you have just read the K-lines paper. A close colleague and like minded thinker, Tomasso Poggio, has heard about the K-lines paper, but not read it. Compose an email message, of the sort you think Marr would have written, describing the paper and assessing its contribution. Your message should be in the style of a biased abstract, perhaps highly biased.
- Explain how the K-line paper suggests a shift in Minsky's thinking since he wrote Steps toward Artificial Intelligence.
- Describe similarities and differences between the ideas and/or style of the K-lines paper and Ullman's Stream and Counter-Stream paper.
- Few, if any, have claimed to have implemented Minsky's K-Lines proposal. Speculate on why. Include in your speculation an assessment of what is hard to do in AI research.