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William E. Fenton* (wfenton@bellarmine.edu), Newburg Road, Louisville, KY 40205. *A Hyper-Chapter for Discrete Mathematics*. Preliminary report.

Our Discrete Mathematics course uses a text of which I am co-author (Introduction to Discrete Mathematics with ISETL, by Fenton & Dubinsky). The text is written in a Socratic style, raising issues and asking questions which are answered in class or in homework. While effective at promoting active learning, this writing style has provoked many student complaints. To address this I wrote a Web presentation of a test chapter, maintaining the questioning style but offering links to further comments, hints, and even some answers. The goal was to continue the benefits of the thought-provoking presentation while alleviating some of the students' concerns. Prior to writing I researched major issues in writing hypertext. In this talk I will discuss and demonstrate how I attempted to resolve these issues. I will also discuss student reactions to this work. (Received September 15, 2000)