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Yiu Tung Poon* (ytpoon@iastate.edu), Department of Mathematics, Iowa State University, Ames, IA 50011, and **Jasang Yoon** (jyoon@iastate.edu), Department of Mathematics, Iowa State University, Ames, IA 50011. *Shift operator with two equal weights*. Preliminary report.

We study hyponormal shift operator whose first two weights are equal. We discuss some results on the quadratically hyponormal completion problem and give an example of a quadratically hyponormal shift operator which is not positively quadratically hyponormal. (Received August 19, 2005)