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Shannon R Lockard* (slockard@bridgew.edu) and **Timothy Flowers**. *Hyper m -ary partition sequences*. Preliminary report.

Hyper m -ary partitions are integer partitions whose parts are powers of m and where each part appears at most m times. Several authors have found congruences and other arithmetic properties of this family of restricted partitions. Recently we have shown that the hyperbinary partition sequence can be found within the hyper m -ary partition sequence for any m . In this talk, we will show that this result can be extended to say that the hyper m_1 -ary partition sequence is a subsequence of the hyper m_2 -ary partition sequence for any $m_1 < m_2$. (Received September 22, 2015)