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**Alexander Kleshchev** and **David Nash\*** (dnash@uoregon.edu). *An interpretation of the LLT algorithm.*

We use graded Specht modules to calculate the graded decomposition numbers for the Iwahori-Hecke algebra of the symmetric group over a field of characteristic zero at a root of unity. The algorithm arrived at is the Lascoux-Leclerc-Thibon algorithm in disguise. Thus we interpret the algorithm in terms of graded representation theory. (Received September 16, 2009)