

Completed work and next day to do list

16/01/2013

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1 Completed Work

- Completed bijective proof of 132-avoidance permutations to Dyck paths.
- Typed up bijective proof of 132-avoidance permutations to Dyck paths in file DyckPath2StackSortPermProof.tex in section 2.
- Formulated and typed up examples of our above proof showing how to do it in practice. (Section 2.1 of DyckPath2StackSortPermProof.tex)
- Started to formulate proof of Dyck paths to 132-avoidance permutations.
- Started to look at Robinson-Schensted-Knuth correspondence.

2 To Do Tomorrow: 17/01/2013

- Finish notes on Robinson-Schensted-Knuth correspondence and type up.
- Create notes for Young Tableau and type up.
- Formulate proof of Dyck paths to 132-avoidance permutations and type up.