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**Dyck paths and a bijection for multisets of hook
numbers**

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Abstract We give a bijective proof of a conjecture of Regev and Vershik [4] on the equality of two multisets of hook numbers of certain skew-Young diagrams. The bijection proves a result that is stronger and more symmetric than the original conjecture, by means of a construction involving Dyck paths, a particular type of lattice path.