1106-17-2500   **Rebecca L. Jayne*** (`rjayne@hsc.edu`), Box 187, Hampden-Sydney, VA 23943. *A count of maximal dominant weights of integrable modules.*

Let $V(k\Lambda_0)$ be the integrable highest weight $\widehat{sl}(n)$-module. A dominant weight $V(k\Lambda_0)$ is maximal when $\mu + \delta$ is not a weight. We explicitly describe the maximal dominant weights of $V(k\Lambda_0)$ and conjecture that the number of these weights is given by the number of necklaces with n beads, k of which are white and $n - k$ of which are black. In particular, we prove that the counts match when $k = 2, 3$. This is a joint work with Kailash Misra. (Received September 16, 2014)

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