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Equipopularity in the Separable Permutations.

When two patterns occur equally often in a set of permutations, we say that these patterns are equipopular. Using both structural and analytic tools, we classify the equipopularity classes in the set of separable permutations. In particular, we show that the equipopularity classes of length n patterns are in bijection with the partitions of the integer n . (Received July 27, 2014)