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Coupons collecting with or without replacement, and with multipurpose coupons

Marcel Wild, Svante Janson, Stephan Wagner, Dirk Laurie

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The classic Coupon-Collector Problem (CCP) is generalized to the extent that each coupons serves certain "purposes". Only basic probability theory is used. Centerpiece rather is an algorithm that efficiently counts all k-element transversals of a set system.

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MSC classes:	60-04, 60Gxx, 60Cxx
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