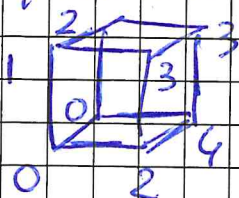


LATTICE PATH COMBINATORICS AND APPLICATIONS

SIENA 2010

1) Find a tensor of rank 2 and type $2 \times 2 \times 2$ whose unfolding has rank 1

2) Find a symmetric tensor associated to



3) (Discussion) Find the expected value of the symmetric rank for generic symmetric tensors.

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