

BIJECTIONS OF WEIGHTED LATTICE PATHS
USING RIORDAN ARRAY DECOMPOSITIONS

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This talk concerns paths counted by Riordan arrays arising from the decomposition of certain Hankel matrices and bijective relationships between them. We consider certain Hankel matrices, H under two decompositions, $H = L_M D L_M^T$ with L_M a Riordan array of generating functions that count weighted Motzkin paths and a $H = L_L B D B L_L^T$ decomposition, with L_L a Riordan array with generating functions that count weighted Łukasiewicz paths. A bijection is introduced between these paths.

REFERENCES

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