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Title: Matrix transformations on the matrix domains of triangles in the spaces of strongly C_1-summable and bounded sequences

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Let , and be the sets of sequences that are strongly summable to zero, summable and bounded of index $p \geq 1$ by the Cesàro method of order 1, which were introduced by Maddox [I. J. Maddox, On Kuttner's theorem, J. London Math. Soc. **43** (1968), 285–290]. We study the matrix domains $= (w_0^p)_T$, $= (w^p)_T$ and $= (w_\infty^p)_T$ of arbitrary triangles T in , and , determine their β-duals, and characterize matrix transformations on them into the spaces c_0, c and ℓ_∞.

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