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Suppose that H_μ and H_λ are totally regular Hausdorff matrices. (For definitions of terms see, e.g., B. E. Rhoades, Trans. Amer. Math. Soc. **101**(1961), 396-425.) If H_μ is totally stronger than H_λ , then we obtain inequalities involving their corresponding mass functions and moment generating sequences, as well as easy proofs of some inequalities. (Received August 22, 2006)