The program **MHD2xc** provides a maximum probability point (mode) of the multivariate hypergeometric distribution  $MH(R_1; C_1,...,C_c)$  (and the probability of this point) and a maximum probability  $2 \times c$  contingency table with fixed marginal sums,  $(R_1, R_2)$  and  $(C_1,...,C_c)$ , and row and column independence, for c less than or equal to 80 and each  $C_i$  less than or equal to 500 (for c>80 or  $C_i$ >500 contact with the authors). The program implement the method developed in Requena and Martín (2003) which is based on a characterization of this maximum probability points (or  $2 \times c$  contingency tables) in terms of a necessary and sufficient condition described in Requena and Martín (2000).

## References:

Requena, F.and Martín, N. (2000). Characterization of maximum probability points in the Multivariate Hypergeometric Distribution. *Statist. Probab. Lett.*, *50*, 39-47.

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