gtt_ekn Manual

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1 Function Manual

1.1 Outline

1.2 Notation

1.3 Functions

1.3.1 gtt_ekn.nc

`gtt_ekn.nc(`*beta*`,`*p*`)`
:: It returns the value of the normalizing contant and its derivatives of the conditional hypergeometric distribution of two way contingecy tables with fixed marginals

return [Z,[[d_11 Z, d_12 Z, ...], ..., [d_m1 Z, d_m2 Z, ..., d_mn Z]]]

beta List of row sums and column sums. All entries must be positive integer.

p The probabilities of the cells of the table.

- Details have not been written. See Japanse documents.

2x3 contingency table with the row sum [4,5] and the column sum [2,4,3].

```
[2237] gtt_ekn.nc([[4,5],[2,4,3]],[[1,1/2,1/3],[1,1,1]]);
[4483/124416,[ 353/7776 1961/15552 185/1728 ]
[ 553/20736 1261/15552 1001/13824 ]]
```

English translation for other functions has not yet been written.

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