

| Hyper:    | Hypergeometric distribution |           |                  |                  |    |              |
|-----------|-----------------------------|-----------|------------------|------------------|----|--------------|
| g-shift   | $ST0_M N$                   | $ST0_M n$ | $ST0_R K$        |                  |    |              |
| f-shift   |                             |           |                  |                  |    |              |
| unshifted | $Hyper_p$                   |           | $Hyper_{\Delta}$ | $Hyper_{\Delta}$ |    | $Hyper^{-1}$ |
| Page 1    | F1                          | F2        | F3               | F4               | F5 | F6           |

Prev menu [https://47calc.com/doc/C47/Menus/C47\\_Menu\\_HPLOT\\_page\\_1.pdf](https://47calc.com/doc/C47/Menus/C47_Menu_HPLOT_page_1.pdf)

Next menu [https://47calc.com/doc/C47/Menus/C47\\_Menu\\_I-O\\_page\\_1.pdf](https://47calc.com/doc/C47/Menus/C47_Menu_I-O_page_1.pdf)

| Level      | Label               | Type               | FullName                    | Extended description                                                                              | Category          | Flag | Catalog             | Default |
|------------|---------------------|--------------------|-----------------------------|---------------------------------------------------------------------------------------------------|-------------------|------|---------------------|---------|
| Menu<br>p1 | Hyper:              | MENU               | Hypergeometric distribution | Hypergeometric probability distribution (discrete) ; TI : RegM = N = ; RegN = n = ; RegQ = K =    | Probability (int) |      | Hyper:              |         |
| F1         | Hyper <sub>p</sub>  | Function (monadic) | Hypergeometric pmf          | Hypergeometric probability mass function                                                          | Probability (int) |      | Hyper <sub>p</sub>  |         |
| F2         |                     |                    |                             |                                                                                                   |                   |      |                     |         |
| F3         | Hyper <sub>Δ</sub>  | Function (monadic) | Hypergeometric cdf (lower)  | Hypergeometric cumulative distribution (lower tail)                                               | Probability (int) |      | Hyper <sub>Δ</sub>  |         |
| F4         | Hyper <sub>Δ</sub>  | Function (monadic) | Hypergeometric cdf (upper)  | Hypergeometric cumulative distribution (upper tail)                                               | Probability (int) |      | Hyper <sub>Δ</sub>  |         |
| F5         |                     |                    |                             |                                                                                                   |                   |      |                     |         |
| F6         | Hyper <sup>-1</sup> | Function (monadic) | Hypergeometric qf (inverse) | Hypergeometric inverse cumulative distribution (quantile)                                         | Probability (int) |      | Hyper <sup>-1</sup> |         |
| fF1        |                     |                    |                             |                                                                                                   |                   |      |                     |         |
| fF2        |                     |                    |                             |                                                                                                   |                   |      |                     |         |
| fF3        |                     |                    |                             |                                                                                                   |                   |      |                     |         |
| fF4        |                     |                    |                             |                                                                                                   |                   |      |                     |         |
| fF5        |                     |                    |                             |                                                                                                   |                   |      |                     |         |
| fF6        |                     |                    |                             |                                                                                                   |                   |      |                     |         |
| gF1        | ST0 <sub>M</sub> N  | Command            | Store N in M                | Store parameter N : population size in register M ; Split screen : RegM = N =                     | Probability (int) |      |                     |         |
| gF2        | ST0 <sub>N</sub> n  | Command            | Store n in N                | Store parameter n : number of samples in register N ; Split screen : RegN = n =                   | Probability (int) |      |                     |         |
| gF3        | ST0 <sub>Q</sub> K  | Command            | Store K in Q                | Store parameter K : number of special items in the pool in register Q ; Split screen : RegQ = K = | Probability (int) |      |                     |         |
| gF4        |                     |                    |                             |                                                                                                   |                   |      |                     |         |
| gF5        |                     |                    |                             |                                                                                                   |                   |      |                     |         |
| gF6        |                     |                    |                             |                                                                                                   |                   |      |                     |         |