Program Name: **mcnemasc**

Language: SAS

Objective: Determining a corrected nominal significance level for the large-sample solution to the problem of testing for equivalence of two binomial proportions with respect to their difference in McNemar's setting

Input:
ALPHA significance level
N sample size
DEL0 absolute value of both limits of the equivalence range for DELTA=P10-P01
SW width of the grid in the parameter space of ETA to be searched through for the maximum rejection probability on the common boundary of the hypotheses
TOL target difference between ALPHA and the effective size of the level-corrected test
MAXH maximum number of interval-halving steps

Output:
ALPHA value read from input file
N   " " " " " " "
DEL0   " " " " " " "
SW   " " " " " " "
ALPHA0 corrected nominal significance level
SIZE0 size of the test at nominal level ALPHA0
NH number of interval-halving steps carried out
ERROR character string with possible values 'none' [<=> no violation of the basic condition that each section of the rejection region must exhibit the form of an interval] and '!!!!' [<=> violation occurred]