Program Name: **bi2dipow**

Language: SAS

Objective: Computing the exact power of the asymptotic two-sample test for δ-equivalence of binomial proportions at any nominal level against an arbitrary specific alternative

Input:

ALPHA0	nominal significance level
M	sample size for Group 1
N	" " " " " 2
DEL1	absolute value of the lower limit of the equivalence range for $\delta=p_1-p_2$
DEL2	upper limit of the equivalence range for $\delta=p_1-p_2$
(P1,P2)	parameter configuration selected as the specific alternative of interest

Output:

ALPHA0	value read from input file
M	" " " " " " "
N	" " " " " " "
DEL1	" " " " " " "
DEL2	" " " " " " "
(P1,P2)	" " " " " " "
POWEX	exact rejection probability of the asymptotic test at nominal level α_0
ERROR	character string with possible values 'none' [<=> no violation of the basic conditions that each section of the rejection region must exhibit the form of an interval] and '!!!!' [<=> violation occurred]