Program Name: bi2ste2

Language: Fortran

Objective: Computation of minimally required sample sizes for the exact Fisher type test for

one-side equivalence (noninferiority) against an arbitrary alternative

Input<sup>1)</sup>:

EPS 1-EPS = lower equivalence limit to the odds ratio

ALPHA level of significance

P1 probability of a positive response ("success") in Group 1
P2 " " " " " " " " " " " " Group 2
BETA minimal power to be achieved against the alternative (P1,P2)
QLAMBD sample-size ratio = [number of observations in Sample 1]/

[number of observations in Sample 2]

Output<sup>2)</sup>:

LAMBDA " " " " " [= QLAMBD]

M sample size required for Group 1
N " " " " " " Group 2

POW exact rejection probability under (P1,P2) with (M,N) observations

<sup>1)</sup> to be read from the file specified in the first OPEN statement

<sup>2)</sup> written to the file specified in the second OPEN statement