Program Name: **powsign**

Language: SAS

Objective: Computing the exact nonconditional power of the sign test for equivalence

Input:

ALPHA	significance level
N	sample size
EPS1	absolute value of the lower limit of the equivalence range to $\log(p_+/p_-)$
EPS2	upper limit of the equivalence range to $\log(p_+/p_-)$
P0A	probability of a tie at zero under the alternative

Output:

ALPHA	value read from input file
N	" " " " " " "
EPS1	" " " " " " "
EPS2	" " " " " " "
P0A	" " " " " " "
POWNONRD	power of the nonrandomized version of the test against the alternative $p_+ = (1-P0A)/2$
POW	power of the UMPU test against the alternative $p_+ = (1-P0A)/2$