Program Name: **sgnrk**

Language: SAS

Objective: Signed rank test for equivalence, computation of the test statistic and its critical upper bound

Input:

ALPHA	significance level
N	sample size
QPL1	lower limit of the equivalence range for $q_+ \equiv P[D_i+D_j>0]$
QPL2	upper " " " " " " " " " " " " " " " "
PATH	full pathname of the file containing the set of raw data

Output:

ALPHA	value read from input file
N	" " " " " " "
QPL1	" " " " " " "
QPL2	" " " " " " "
U	observed value of the *U*-statistic estimator of q_+
SIGMAH	estimated standard error of U
CRIT	critical upper bound to the absolute value of the centred, standardized test statistic
REJ	indicator of the decision to be taken [REJ=1 <=> rejection of the null hypothesis of inequivalence; REJ=0 <=> acceptance of H]