13.   Utility procedures

The following procedure is defined:

procedure histo (A,B,c,d); real array A,B; real c,d;

It will update a histogram defined by the one-dimensional arrays A and B according to the observation c with the weight d. A[lba+i] is increased by d, where i is the smallest integer such that $c \leq B[lbb+i]$ and lba and lbb are the lower bounds of A and B respectively. If the length of A is not one greater than that of B the effect is implementation defined. The last element of A corresponds to those observations which are greater than all elements of B.