```
   Data:
   p : ordered array of integers with ties.
   n : length of p.
   Frequency[0, max(disorder)].
 1 Main (p)
 2     Permutation(p,0,n);
 3     return
 4 Permutation (p,s,n):
 5     Frequency[Disorder(p)]++;
 6     int tmp = 0;
 7     if s < n then
 8         for i = n − 2 :  i ≥ s; i − − do
 9             for j = i + 1; j < n; j + + do
10                 if p[i] ≠ p[j] then
11                     tmp = p[i]; p[i] = p[j]; p[j] = tmp;
                        Permutation(p,i + 1,n);
12             tmp=p[i];
13             for j = i + 1; j < n; j + + do
14                 p[k] = p[k + +];
15             p[n − 1] = tmp;
16     return
17 Disorder (p)
       /* Evaluate the disorder and the Concordance coefficient
          of permutation p                                        */
18     return
```