function DUPLICATES($\rho_1, \rho_2, \ldots, \rho_\epsilon$: integers in nondecreasing order)
 $\phi \leftarrow \varnothing$
 for $\iota = 1, \epsilon - 1$ **do**
  if $\rho_\iota = \rho_{\iota+1}$ **then**
   $\phi \leftarrow \phi \cup \{\rho_{\iota+1}\}$
 return ϕ