

OFFLINE-MINIMUM(m, n)

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1  for  $i = 1$  to  $n$ 
2      determine  $j$  such that  $i \in K_j$ 
3      if  $j \neq m + 1$ 
4           $extracted[j] = i$ 
5          let  $l$  be the smallest value greater than  $j$  for which set  $K_l$  exists
6           $K_l = K_j \cup K_l$ , destroying  $K_j$ 
7  return  $extracted$ 
```