

SPIMI-INVERT(*tokenStream*)

```
1  outputFile  $\leftarrow$  NEWFILE()
2  dictionary  $\leftarrow$  NEWHASH()
3  while (free memory available)
4      do token  $\leftarrow$  next(tokenStream)
5          if term(token)  $\notin$  dictionary
6              then postingsList  $\leftarrow$  ADDTODICTIONARY(dictionary, term(token))
7              else postingsList  $\leftarrow$  GETPOSTINGSLIST(dictionary, term(token))
8              if full(postingsList)
9                  then postingsList  $\leftarrow$  DOUBLEPOSTINGSLIST(dictionary, term(token))
10                 ADDTOPOSTINGSLIST(postingsList, docID(token))
11  sortedTerms  $\leftarrow$  SORTTERMS(dictionary)
12  WRITEBLOCKTODISK(sortedTerms, dictionary, outputFile)
13  return outputFile
```