

Algorithm Design
M. T. Goodrich and R. Tamassia
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Solution of Exercise C-2.18

Algorithm levelOrderTraversal(BinaryTree T):

```
Queue  $Q$  = new Queue()
 $Q$ .enqueue( $T$ .root())
while  $Q$  is not empty do
  Node  $v$   $\leftarrow$   $Q$ .dequeue()
  if  $T$ .isInternal( $v$ ) then
     $Q$ .enqueue( $v$ .leftchild)
     $Q$ .enqueue( $v$ .rightchild)
```