

**Algorithm** inorder(Tree  $T$ ):

Stack  $S \leftarrow \text{new Stack}()$

Node  $v \leftarrow T.\text{root}()$

push  $v$

while  $S$  is not empty do

  while  $v$  is internal do

$v \leftarrow v.\text{left}$

  push  $v$

  while  $S$  is not empty do

    pop  $v$

  visit  $v$

  if  $v$  is internal then

$v \leftarrow v.\text{right}$

  push  $v$

  while  $v$  is internal do

$v \leftarrow v.\text{left}$

  push  $v$