Algorithm: bfs

Input: A set of visited nodes, a queue of nodes, a graph and a starting node

Output: The list of booleans

```
1  Procedure bfs(visited, queue, graph, node)
2      add (node, visited) to visited
3      append node to queue_q
4      while queue_head < |queue_q| do
5          m ← shift(queue)
6          for nbinget(m, graph) do
7              if nb ∉ visited then
8                  add (nb, visited) to visited
9                  append nb to queue_q
10         end
11     end
12     return visited
```