Algoritmi 1: Traceback-Path (x, π, π_{REV})

```
1 u = x

2 p = \langle \rangle

3 while u is not nil do

4 | lisää u p:n alkuun

5 | u = \pi(u)

Kaksisuuntainen haku?

6 if \pi_{REV} is not nil then

7 | u = \pi_{REV}(x)

8 | while u is not nil do

9 | lisää u p:n loppuun

10 | u = \pi_{REV}(u)

11 return p
```

Algoritmi 2: Breadth-First-Search(G, s, t)

```
1 Q = \langle s \rangle
 2 \pi(s) = {\bf nil}
 з while |Q| > \theta do
       u = \text{Dequeue}(Q)
       if u is t then
 5
        return Traceback-Path(u, \pi, \mathbf{nil})
 6
       for (u, v) \in G.A do
 7
           if v is not yet mapped in \pi then
 8
               \pi(v) = u
 9
               ENQUEUE(Q, u)
10
       return \langle \rangle
11
```