1 Linked-List

1 Procedure find *Node head, int key*

2   Node pred=head, curr=head→next, succ=null;

3   boolean swap = false;

4   **while** *true* **do**

5   succ = curr→next;

6   **if** *curr is marked* **then**

7   swap = pred→next.CAS(curr,succ);

8   curr = succ;

9   **else**

10   **if** *curr→key $\geq$ key* **then**

11   **return** pred,curr¿;

12   **end**

13   pred = curr;

14   curr = succ;

15   **end**

16   **end**

Algorithm 1: Harris Non-Blocking Algorithm