Algorithm 1: How to write algorithm

Data: this text
Result: how to write algorithm with LaTeX2e
1 **while** *not at end of this document* **do**
2   read current;
3   **if** *understand* **then**
4   you are good;
5   **end**
6   **if** *understand* **then** you are good;
7   **repeat**
8   do these things;
9   **until** *this end condition*;
10   **if** *understand* **then**
11   go to next section;
12   current section becomes this one;
13   **else**
14   go back to the beginning of current section;
15   **end**
16   **do**
17   do these things;
18   **while** *this end condition*;
19   **for** *i=1:n* **do**
20   do something;
21   **end**
       // this is a comment
22   **if** *understand a* **then**
23   do something ;   /* this is comment */
24   **else if** *understand b* **then**
25   do something;
26   **else**
27   do nothing;
28   **end**
29 **end**