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**Algorithm 1:** How to write algorithm

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**Data:** this text

**Result:** how to write algorithm with L<sup>A</sup>T<sub>E</sub>X2<sub>ε</sub>

```
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
22  // this is a comment
23  if understand a then
24    | do something ;
25  else if understand b then
26    | do something;
27  else
28    | do nothing;
29  end
30 end
```

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