

Euclid's Algorithm: An example of how to write algorithms in L^AT_EX

writeL^AT_EX

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1 Example Algorithm

Algorithms can be included using the commands as shown in algorithm ??.

Algorithm 1 Euclid's algorithm

```
1: procedure EUCLID( $a, b$ )                                ▷ The g.c.d. of a and b
2:    $r \leftarrow a \bmod b$ 
3:   while  $r \neq 0$  do                                       ▷ We have the answer if r is 0
4:      $a \leftarrow b$ 
5:      $b \leftarrow r$ 
6:      $r \leftarrow a \bmod b$ 
7:   return  $b$                                               ▷ The gcd is b
```
