

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 1.

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
