Euclid's Algorithm: An example of how to write algorithms in \LaTeX

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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 $\text{Euclid}(a, b)$	▶ The g.c.d. of a and b
2:	$r \leftarrow a \bmod b$	
3:	while $r \neq 0$ do	\triangleright We have the answer if r is 0
4:	$a \leftarrow b$	
5:	$b \leftarrow r$	
6:	$r \leftarrow a \bmod b$	
7:	$\mathbf{return}\ b$	⊳ The gcd is b