Algorithm 1 Gradientenmethode - Implementierung

1: $F(x) = (x^2-2)^2$
2: $F'(x) = 4x^3-8x$
3:
4: $x = 10.0$
5: $\lambda = 0.001$
6: **for** i = 8 **do**
7: $\quad \lambda = \lambda+(i*0.001)$
8: $\quad$ **for** j = 8 **do**
9: $\quad\quad x = x - \lambda * F'(x)$
10: Print x