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Newton's Method in 1D for rootfinding

1分

Suppose you have the function

$$f(x) = x + \frac{(x-3)^2}{2}$$

and want to find the x where $f(x)$ is minimized. How many steps will it take Newton's method to converge (to say single precision)?

选项*

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ depends on the initial guess x_0
- ☐ 9

保存回答

提交最终回答