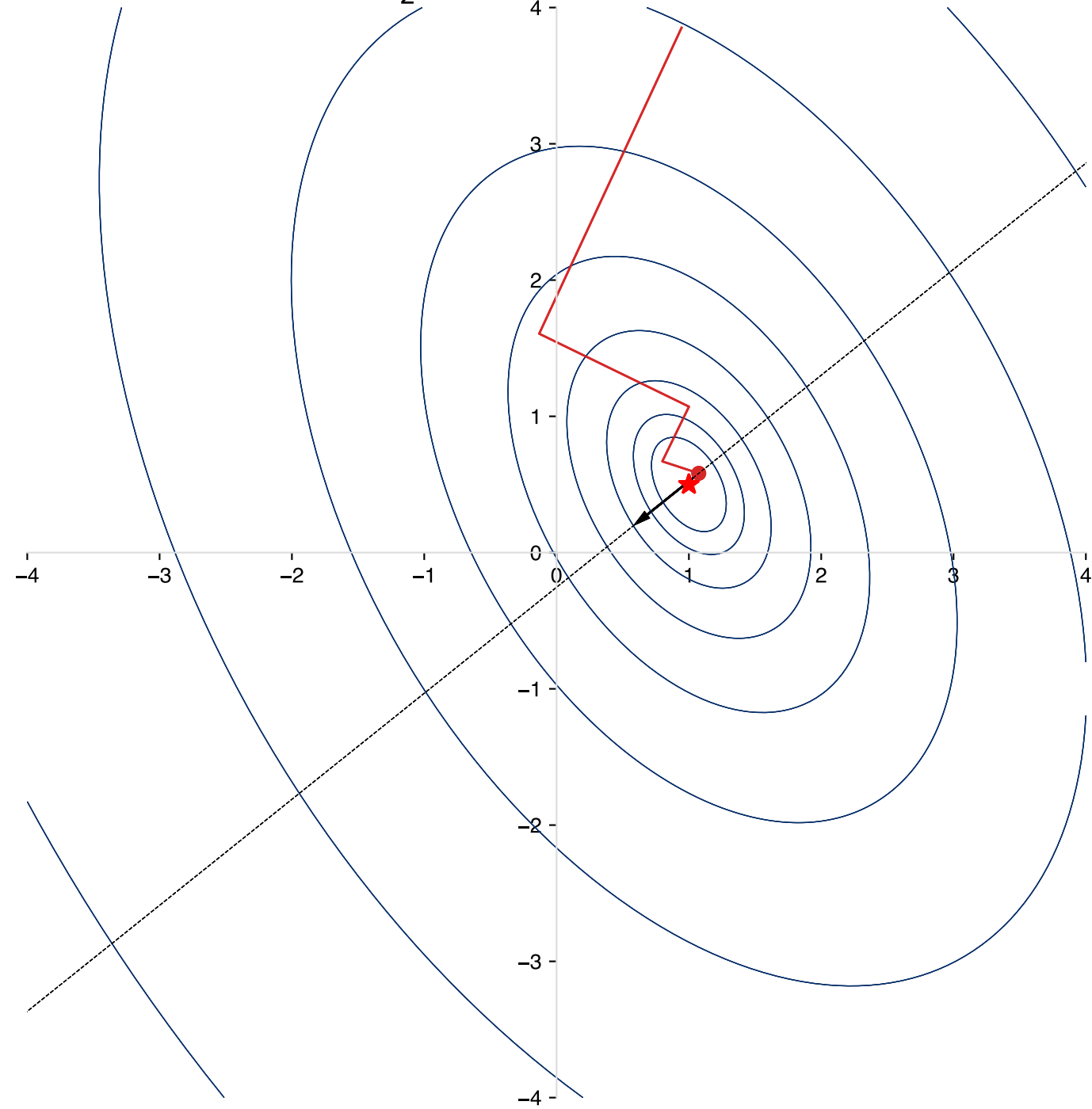


$$f(\mathbf{x}) = \frac{1}{2}(\mathbf{x} - \mathbf{x}^*)^\top \mathbf{Q}(\mathbf{x} - \mathbf{x}^*)$$



Gradient Descent: Backtracking

Iteration $k = 0$

Step size $\alpha_0 = 0.636$

