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Convex Optimization And Gradient Descent Methods
9.2 Descent Methods
Backtracking Interpretation
$$465 \quad T \quad F(x+tx) \quad T = 0 \quad T \quad 0 \quad F(x_{tr}) \quad T \quad X \quad F(x) + \leftarrow \text{trf}(x) \quad T \quad x$$

Figure 9.1 Backtracking Line Search. The Curve Shows F , restricted to the line over which we search. The lower dashed line shows the linear extrapolation
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