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source code:
import math
import time
import numpy as np
def rosenbrock(x):...
def grad_rosen(x):...
def hessian_rosen(x):...
def wolfe(f, g, xk, alpha, pk):...
def strong_wolfe(f, g, xk, alpha, pk, c2):...
def gold_stein(f, g, xk, alpha, pk, c):...
def step_length(f, g, xk, alpha, pk, c2):...
def interpolation(f, g, f_alpha, g_alpha, alpha, c2, strong_wolfe_alpha,...
def conjugate_gradient(f, g, x0, iterations, error):...
if __name__ == '__main__':
```

