```
function problem4()

% solve x = 5^(-x) using fixed-point iteration
[ret, iterations] = fixedPoint4();

% print the results
fprintf('n:%d\t', iterations);
fprintf('p%d: %.8f\t', iterations, ret);
fprintf('|error|: %.8f\n', 10^-8);

% solve x = 5^(-x) using Steppenson's method
[ret, iterations] = steffenson4();

% print results
fprintf('n:%d\t', iterations);
fprintf('p%d: %.8f\t', iterations, ret);
fprintf('|error|: %.8f\n', 10^-8);

end
```

```
n:59 p59: 0.46962192 |error|: 0.00000001
n:19 p19: 0.46962193 |error|: 0.00000001
```

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