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Solutions of Equations of One Variable

Exercise Set 2.1, page 54

- 1. pp = 0.625
- 2. (a) p₁= 0.6875
 - (b) p₃= 1.09375
- 3. The Bisection method gives:
 - (a) $p_1 = 0.5859$
 - (b) pu = 3.002
 - (c) $p_7 = 3.419$
- 4. The Bisection method gives:
 - (a) pr = 1.414
 - (b) $p_0 = 1.414$
 - (c) $p_7 = 2.727$
 - (d) pr= 0.7265
- The Bisection method gives:
 - (a) $p_{17} = 0.641182$
 - (b) p₁₇ = 0.257530
 - (c) For the interval [3. 2], we have p_{17} = 2.191307, and for the interval [1.0], we have p_{17} = 0.798164.

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