```
Equation: f = x^2 - 2 = 0
Intervall after 0. Iteration: [a, b] = [1, 3]
Intervall after 1. Iteration: [a, b] = [1, 2]
Intervall after 2. Iteration: [a, b] = [1, 3/2]
Intervall after 3. Iteration: [a, b] = [5/4, 3/2]
Intervall after 4. Iteration: [a, b] = [11/8, 3/2]
Intervall after 5. Iteration: [a, b] = [11/8, 23/16]
Intervall after 6.Iteration: [a, b] = [45/32, 23/16]
Intervall after 7. Iteration: [a, b] = [45/32, 91/64]
Intervall after 8.Iteration: [a, b] = [181/128, 91/64]
Resolution reached
Equation: f = \sin(x) - \cos(2x) = 0
Intervall after 0.Iteration: [a, b] = [0, 1]
Intervall after 1. Iteration: [a, b] = [1/2, 1]
Intervall after 2. Iteration: [a, b] = [1/2, 3/4]
Intervall after 3. Iteration: [a, b] = [1/2, 5/8]
Intervall after 4. Iteration: [a, b] = [1/2, 9/16]
Intervall after 5. Iteration: [a, b] = [1/2, 17/32]
Intervall after 6. Iteration: [a, b] = [33/64, 17/32]
Intervall after 7. Iteration: [a, b] = [67/128, 17/32]
Resolution reached
Equation: f = x^3 + 7*x^2 + 6 = 0
Intervall after 0.Iteration: [a, b] = [2.700000e+00, 6.500000e+00]
```