

MATLAB example: machepts.m

```
Icount is 1 Epsilon is 5.000000e-001
Icount is 2 Epsilon is 2.500000e-001
Icount is 3 Epsilon is 1.250000e-001
Icount is 4 Epsilon is 6.250000e-002
Icount is 5 Epsilon is 3.125000e-002
Icount is 6 Epsilon is 1.562500e-002
Icount is 7 Epsilon is 7.812500e-003
Icount is 8 Epsilon is 3.906250e-003
Icount is 9 Epsilon is 1.953125e-003
Icount is 10 Epsilon is 9.765625e-004
Icount is 11 Epsilon is 4.882813e-004
Icount is 12 Epsilon is 2.441406e-004
Icount is 13 Epsilon is 1.220703e-004
Icount is 14 Epsilon is 6.103516e-005
Icount is 15 Epsilon is 3.051758e-005
Icount is 16 Epsilon is 1.525879e-005
Icount is 17 Epsilon is 7.629395e-006
Icount is 18 Epsilon is 3.814697e-006
Icount is 19 Epsilon is 1.907349e-006
Icount is 20 Epsilon is 9.536743e-007
Icount is 21 Epsilon is 4.768372e-007
Icount is 22 Epsilon is 2.384186e-007
Icount is 23 Epsilon is 1.192093e-007
Icount is 24 Epsilon is 5.960464e-008
Icount is 25 Epsilon is 2.980232e-008
Icount is 26 Epsilon is 1.490116e-008
Icount is 27 Epsilon is 7.450581e-009
Icount is 28 Epsilon is 3.725290e-009
Icount is 29 Epsilon is 1.862645e-009
Icount is 30 Epsilon is 9.313226e-010
Icount is 31 Epsilon is 4.656613e-010
Icount is 32 Epsilon is 2.328306e-010
Icount is 33 Epsilon is 1.164153e-010
Icount is 34 Epsilon is 5.820766e-011
Icount is 35 Epsilon is 2.910383e-011
Icount is 36 Epsilon is 1.455192e-011
Icount is 37 Epsilon is 7.275958e-012
Icount is 38 Epsilon is 3.637979e-012
Icount is 39 Epsilon is 1.818989e-012
Icount is 40 Epsilon is 9.094947e-013
Icount is 41 Epsilon is 4.547474e-013
Icount is 42 Epsilon is 2.273737e-013
Icount is 43 Epsilon is 1.136868e-013
Icount is 44 Epsilon is 5.684342e-014
Icount is 45 Epsilon is 2.842171e-014
Icount is 46 Epsilon is 1.421085e-014
Icount is 47 Epsilon is 7.105427e-015
Icount is 48 Epsilon is 3.552714e-015
Icount is 49 Epsilon is 1.776357e-015
Icount is 50 Epsilon is 8.881784e-016
Icount is 51 Epsilon is 4.440892e-016
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Icount is 52 Epsilon is 2.220446e-016  
Icount is 53 Epsilon is 1.110223e-016  
Icount is 53 Epsilon is 2.220446e-016  
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