

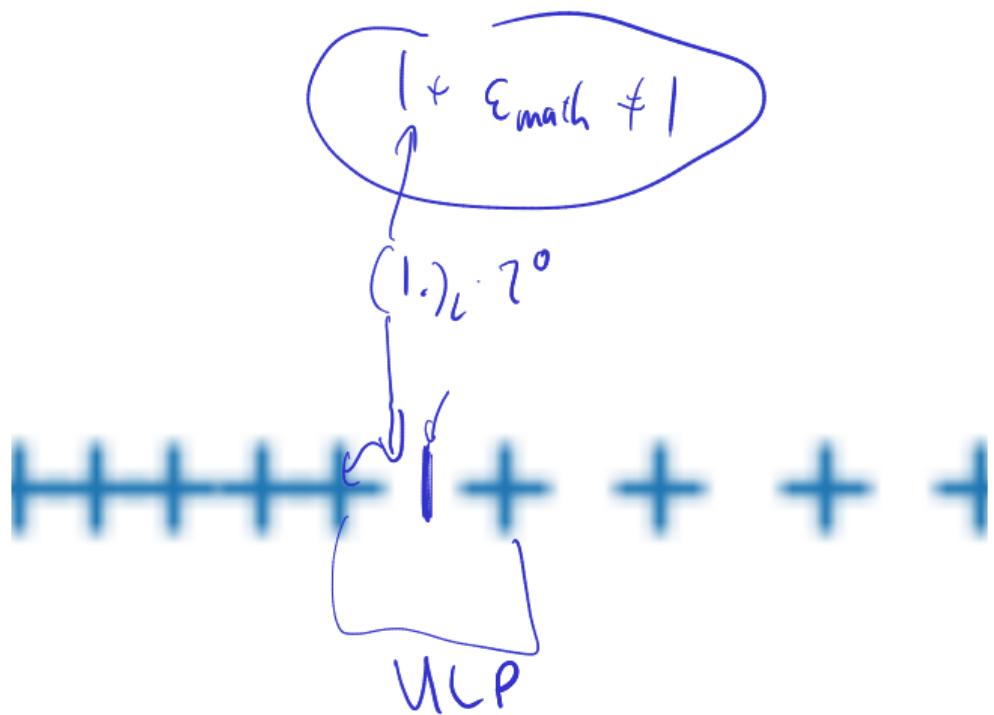
January 28, 2026

Announcements

- Support ✓
- HW1
- Exam 1

Goals

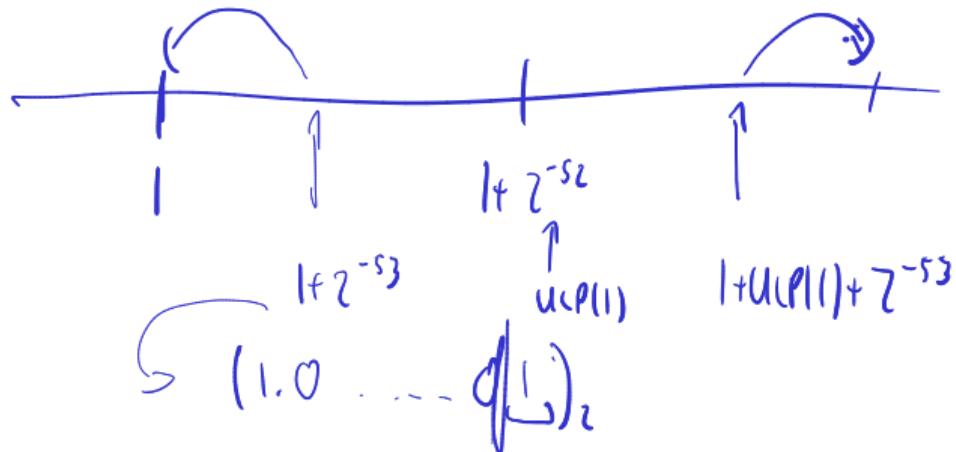
- IEEE 754



$$\text{for rfn: } \epsilon_{\text{mach}} = \frac{\text{UCP}}{2}$$

Rounding

$$1 + 2^{-53}$$



"round-to-even" = round towards a significand with a 0 at the end.

Associativity

$$a + (b + c) = (a + b) + c$$