



1 sign bit 31 significand bits

$$1-2^{-31} - +2^{+31} \approx \pm 2,147,483,647$$



×



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1 sign 8 exponent 23 significand

$$2^{-126} - 2^{+127} \approx 10^{-38} - 10^{+38}$$

$$1 + 2^{-23} \approx 1.000\,000\,1$$



×



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