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EX.0.3.6, Sauer

Do the following sums by hand in IEEE double precision computer arithmetic, using the Rounding to Nearest Rule.

a.
$$(1 + (2^{-51} + 2^{-52} + 2^{-54})) - 1$$

b.
$$(1 + (2^{-51} + 2^{-52} + 2^{-60})) - 1$$