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## **EX.0.3.5**, Sauer

Do the following sums by hand in IEEE double precision computer arithmetic, using the Rounding to Nearest Rule. (Check your answers, using Matlab.)

a. 
$$(1 + (2^{-51} + 2^{-53})) - 1$$

b. 
$$(1 + (2^{-51} + 2^{-52} + 2^{-53})) - 1$$