1. Find the $f_l(x)$ in Matlab,

\[
x = (1 + (2^{-53} + 2^{-54})) - 1
\]

\[
x = 2^{-53} + 2^{-54}
\]

\[
x = (1 + (2^{-54} + 2^{-54})) - 1
\]

Ans:

\[
( 1+(2^{-(53)}+2^{-(54)})) - 1
2^{-(53)}+2^{-(54)}
( 1+(2^{-(54)}+2^{-(54)})) - 1
\]

ans =

2.2204e-16
1.6653e-16
0

On-line computer lab: 1
Copy your program and output into the web page.

1. Find the $f_l(x)$ in Matlab,

\[
x = (1 + (2^{-53} + 2^{-53})) - 1
\]