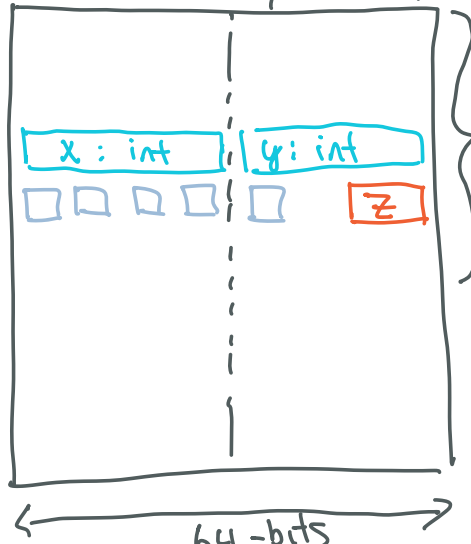


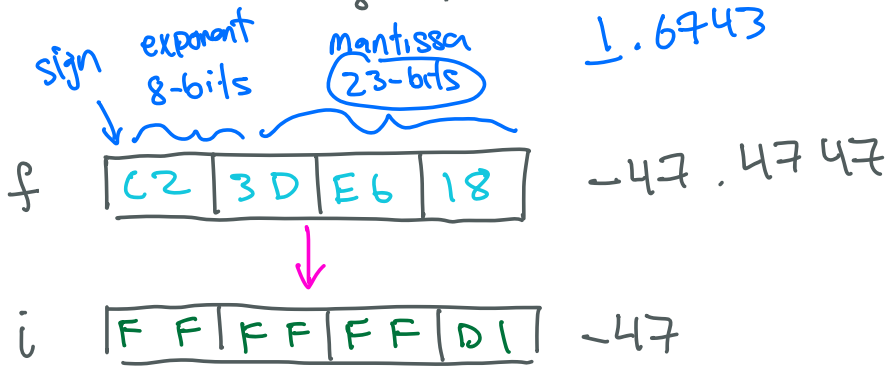
# Data Representation

Memory (stack)



main frame

int x = ...  
 int y = ...  
 char m[5];  
 short z = ...

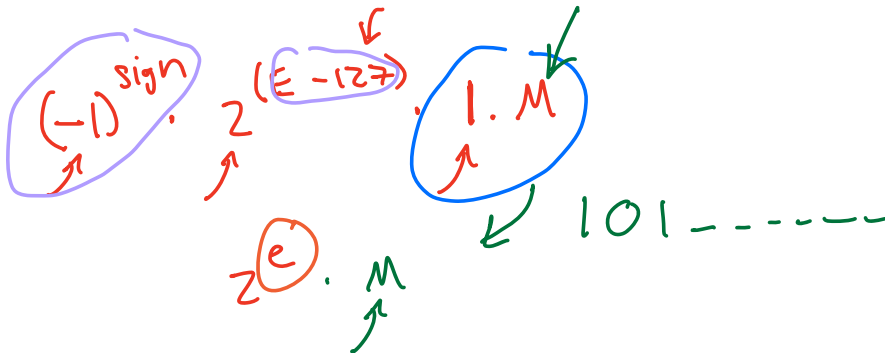


1.6743

-47.4747

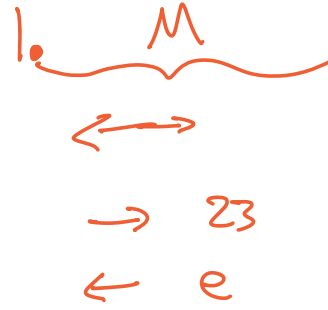
-47

$(1 \ll 23) \& M$





$$\begin{aligned}
 & 1 \cdot 2^{-1} \\
 + & 0 \cdot 2^{-2} \\
 + & 1 \cdot 2^{-3} \\
 + & 1 \cdot 2^{-4} \\
 + & 1 \cdot 2^{-5} \\
 + & 1 \cdot 2^0
 \end{aligned}$$



$\rightarrow 23$

$\leftarrow e$