

Discussion of Fl. Point with Sweeney June 13, 57

Compare, ~~input~~ (inputs not normalized)  
 M Add  
 Mpl  
 Div

S of S  $\rightarrow$  S (usually will give D, but lost on next op)

B machine  $\left\{ \begin{array}{l} S+D \rightarrow S \\ \text{add exp.} \\ \text{add mantissa} \end{array} \right.$

variable field length does  
 exp  $\rightarrow$  mant, mant  $\rightarrow$  exp,

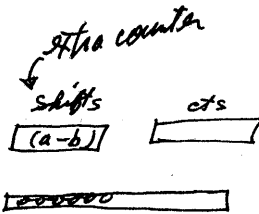
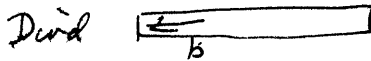
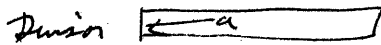
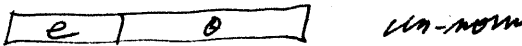
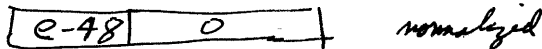
S machine  
 opt no  $\left\{ \begin{array}{l} \text{TW} \\ \text{Bonar} \\ D \div S \rightarrow Q + \text{Rem. (like div.)} \end{array} \right.$

Results

Normalized Unnorm.

exp. over - exp. under with sign bit  
 zero mantissa as result of add

!(00010)(1)(n)



normalized  
 unnorm - if there's  
 a remainder  $\bullet$  a  
 give break-in.