Week 3: Lecture 2 How to deal with negative Hs? Comp does know t, it only knows of 1

1 - (eve) Nyewhire

3) What is the xx meaning of negative Hsl. $+a \rightarrow (+6)$ X = [negalire a]

x + a = 0

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define my number systèm 9 will Unsmed

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Signed! Signed magnitude

0 111 = +7

System magnitude S, mcs 0111 0 110 +4 0 101 +5 0100 +4 +3 0011 +2 000 41 m001 001

Complement 2'5 Signed 1111

$+2 \rightarrow 0010$ $-2 \rightarrow 1110$

Signed System 2's Complement 001 1010 -6 +6 - (+ [44 +3 +2 41 0000 ()

$$\begin{array}{c|c}
-8 \\
\hline
-7-1001 \\
\hline
8 1000 \\
\hline
-7-1 = -8 \\
\hline
(4001) - (0001) = 1000 \\
-8
\end{array}$$

Suppose 9 have 4 bils + 1 $\frac{1}{7} = \frac{0}{(-8)} \neq 0.1000$