STRING TO INTEGER

Sunday, March 20, 2022   6:34 PM

$S \rightarrow$ "1234"

$S \rightarrow$ | 1 | 2 3 4 |

Recursive count

'1'
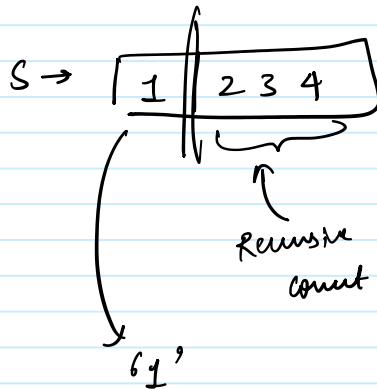
int res = '1' = { Ascii Value $\Rightarrow$ 41 }

res = '1' − 48;

Base Case:
int b = 0
(s.length == 1)

$\Rightarrow$ b = s.charAt(0) − 48;

Calc. :
s = 1234

int a = s.charAt(0) − 48;
Pow = str.length − 1
res = $a \times 10^{low}$ + string toint (s.substring (1))

Recursion:
(a * Math.Pow (10, input.length−1)
+ count
StringToInt
(input.substring
(1)).
)