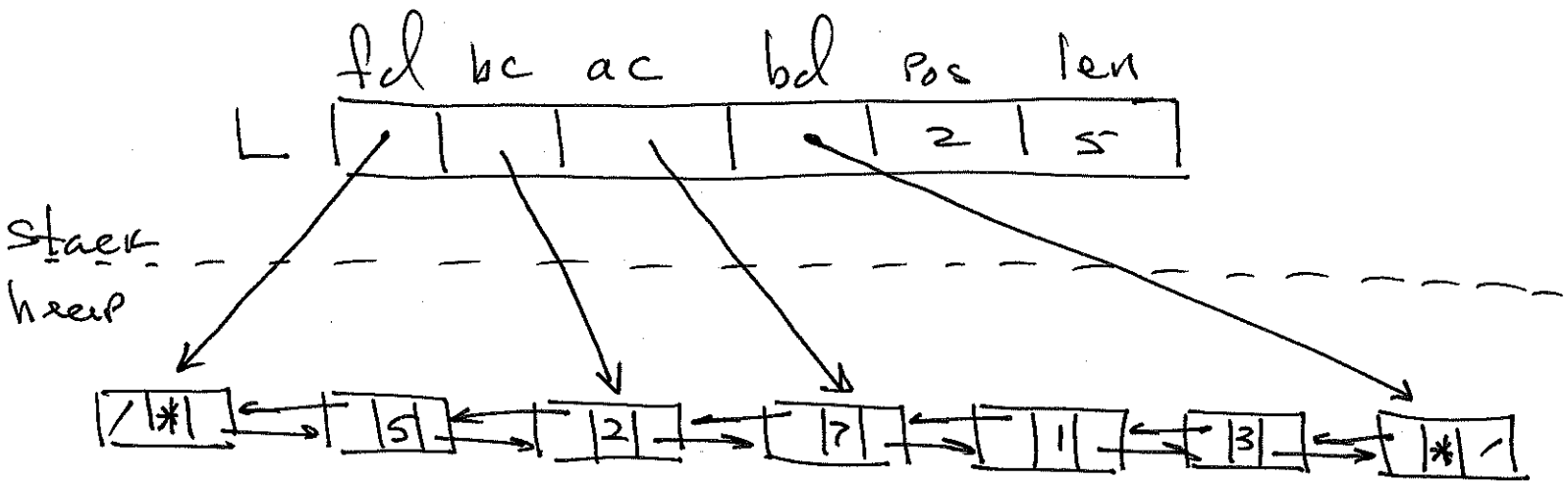


Pass: list in C++

Ex.

	0	1	2	3	4	5
<u>client</u> :	(5	2	7	1	3

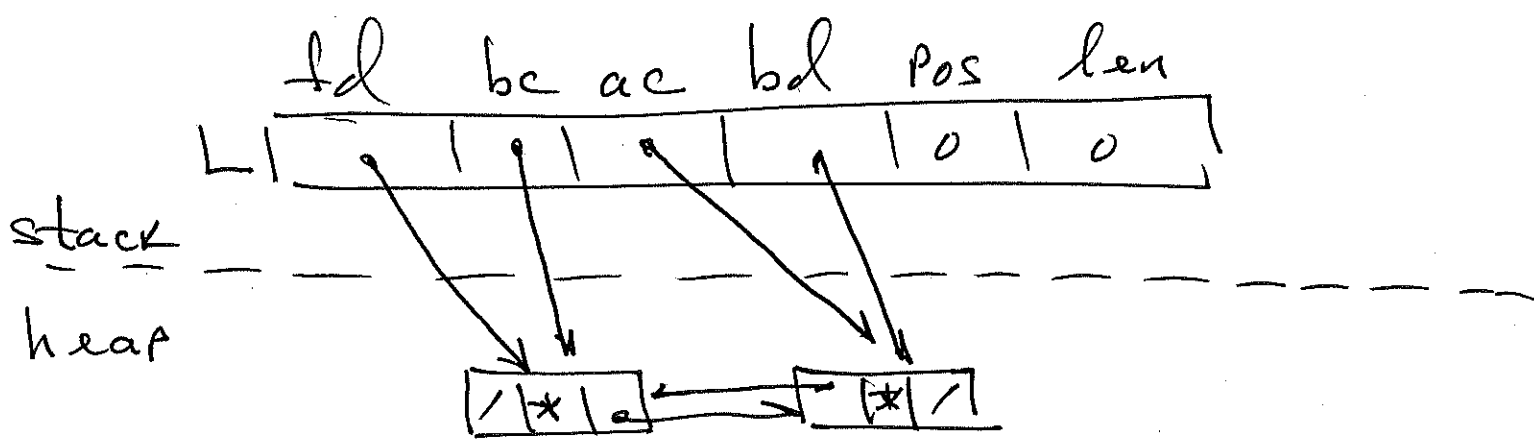
inside:



Ex empty state

client : $\begin{pmatrix} 0 \\ | \end{pmatrix}$

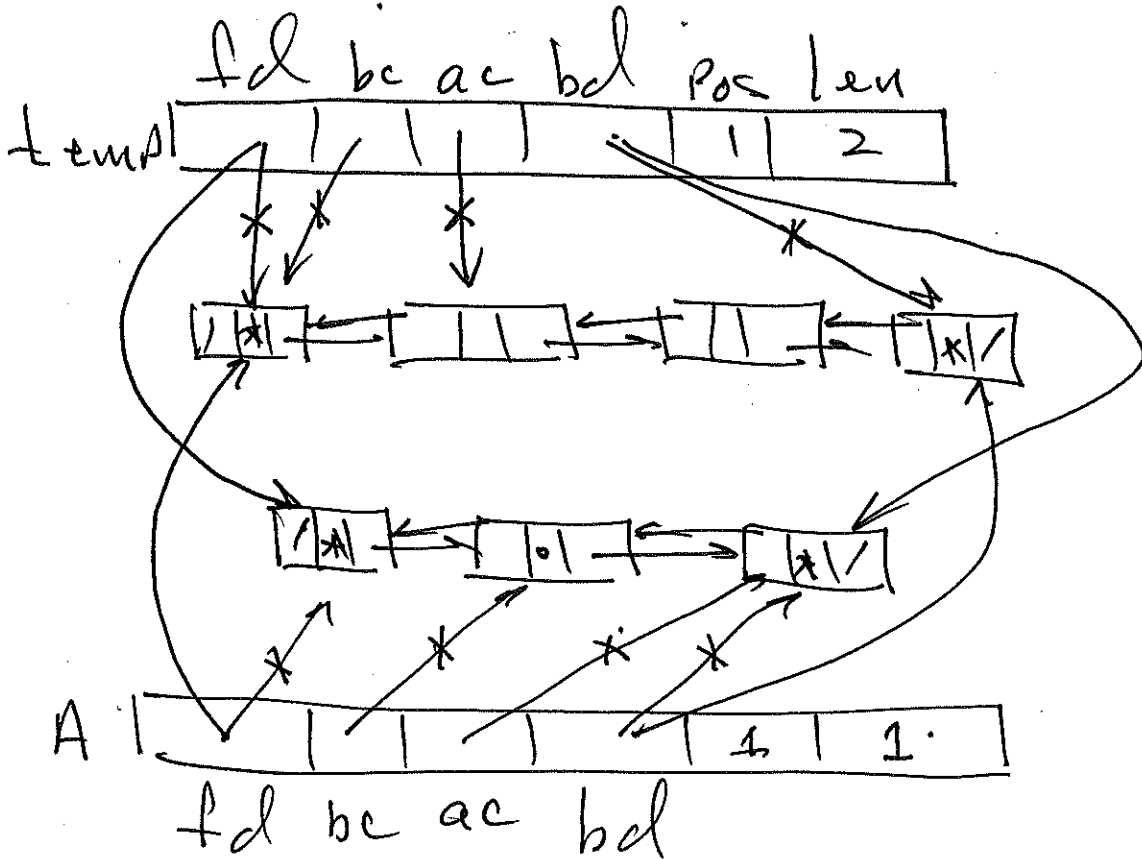
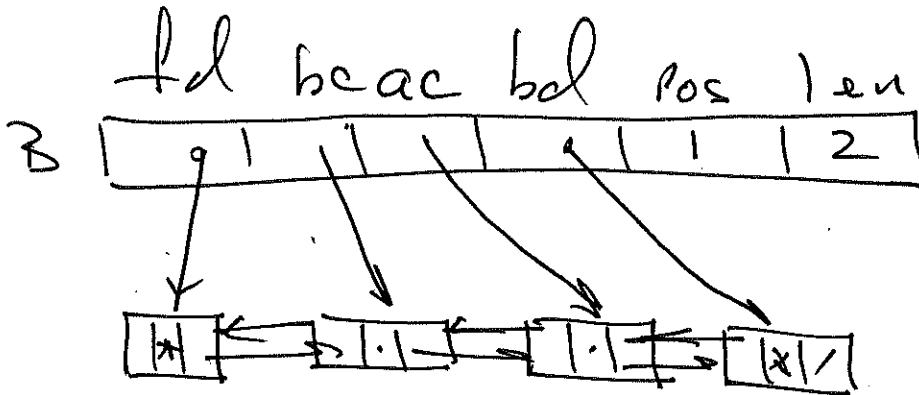
inside!



Assignment op.

operator = ()

client: A = R;



cleanup()

Ex.

before (③ ① x ② x | x x x x x x x x)

after (3 1 2 |)

Ex.

before: (① x ② | x x x ③ x x x x x)

after: (1 2 | 3)

lab

Ex. addition $b=100, 100=10^A, A=2$

$$\begin{matrix} 1 & & 1 & & 1 & & 0 \\ (88 & 21 & 33) = 882133 \end{matrix}$$

$$(65 \quad 91 \quad 79) = 659179$$

$$\checkmark (1 \quad 54 \quad 13 \quad 12) \quad 1541312$$

another:

$$(88 \quad 21 \quad 33)$$

$$(65 \quad 91 \quad 79)$$

$$\begin{matrix} 1 & & 1 & & 1 & & 0 \\ (153 & 112 & 112) \end{matrix} \quad \text{vector sum}$$

$$154 \quad 113 \quad 112 \quad \downarrow \text{no-normalize}$$

$$\checkmark (1 \quad 54 \quad 13 \quad 12)$$

Ex subtraction $b=100, p=2$

$$\begin{array}{r}
 \begin{array}{ccc} -1 & -1 & 0 \\ (88 & 21 & 33) = 882133 \\ - (65 & 91 & 79) = 659179 \\ \hline (22 & 29 & 54) = 222954 \end{array}
 \end{array}$$

another way!

$$\begin{array}{r}
 (88 \quad 21 \quad 33) \\
 (65 \quad 91 \quad 79) \\
 \hline
 \begin{array}{ccc} -1 & -1 & 0 \\ (23 & -70 & -46) \text{ vector diff.} \\ 22 & -71 & -46 \\ & 100 & 100 \\ (22 & 29 & 54) \text{ normalize} \end{array}
 \end{array}$$