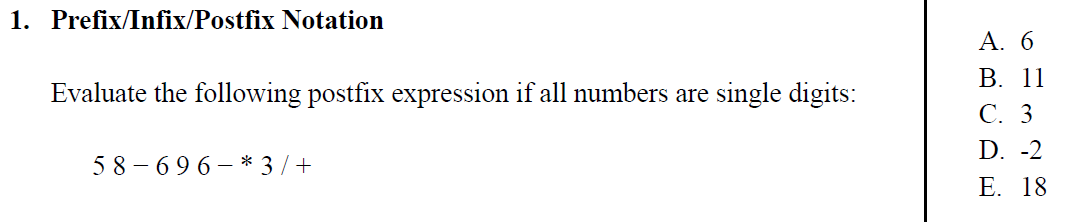
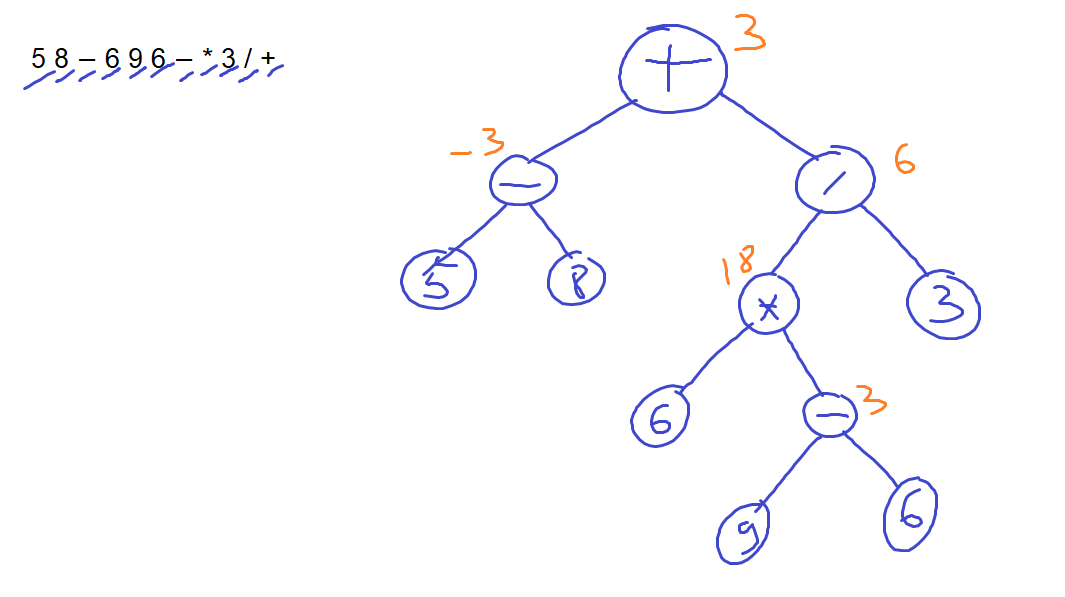
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5 8 − 6 9 6 − \* 3 / + → -3 6 3 \* 3 / + →

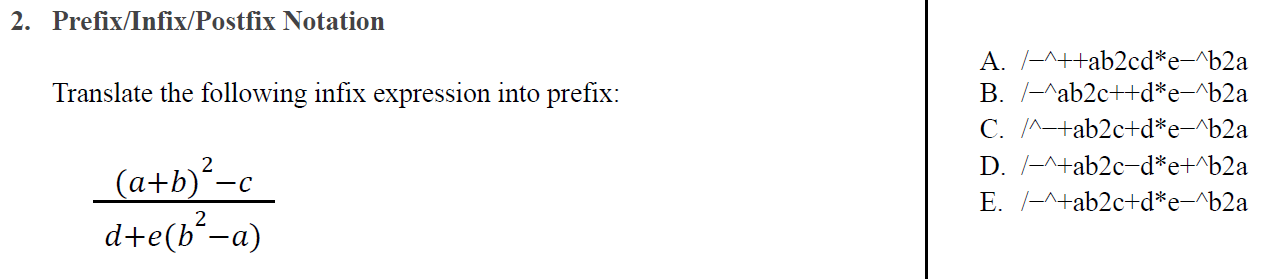
-3 6 3 \* 3 / + → -3 18 3 / + →

-3 18 3 / + → -3 6 + → 3 Răsp: C



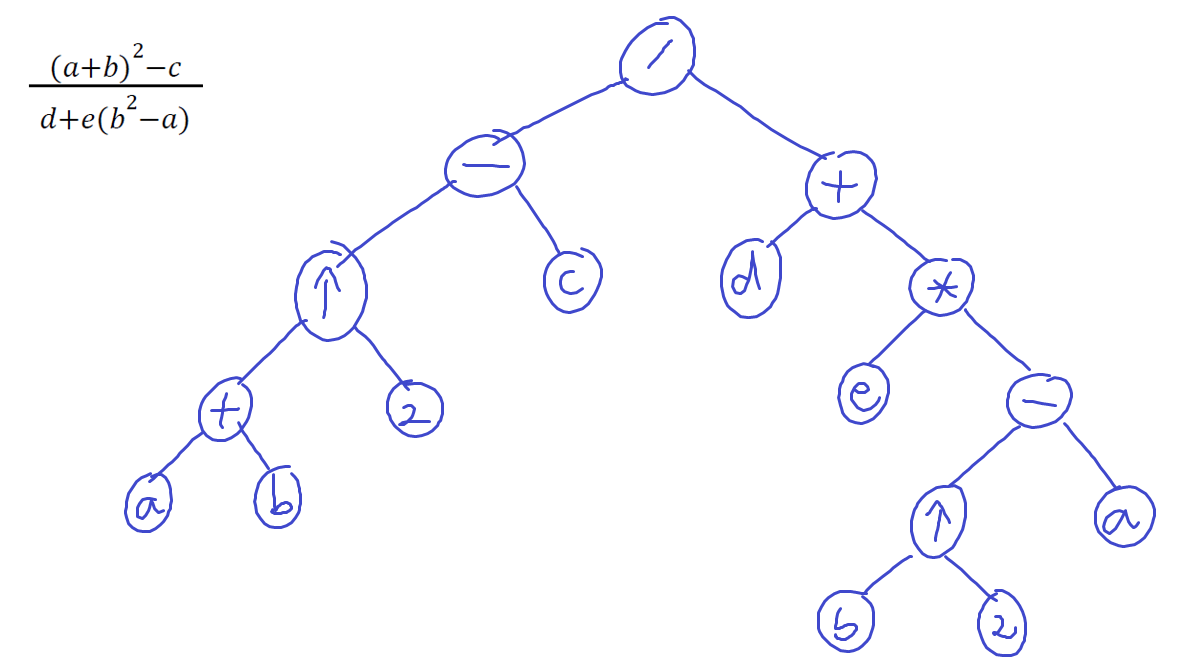
Dacă s-ar fi cerut să trecem expresia de la postfix la prefix, era indicat să desenăm arborele.

So, expresia asta transformată la prefix este: **+ - 5 8 / \* 6 - 9 6 3**



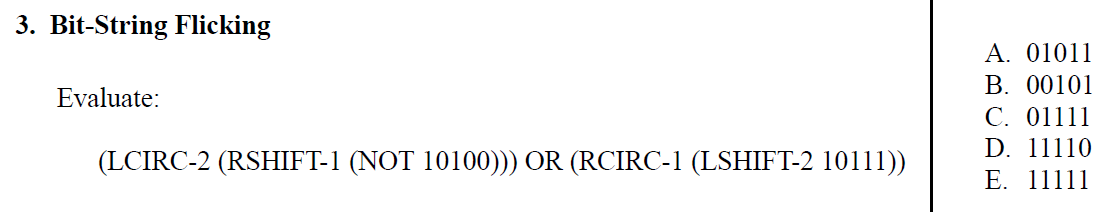
Să încercăm s-o facem fără arbore:

/ - ^ + a b 2 c + d \* e - ^ b 2 a Răspuns corect: E



O facem la prefix adică Rădăcină Stânga Dreapta

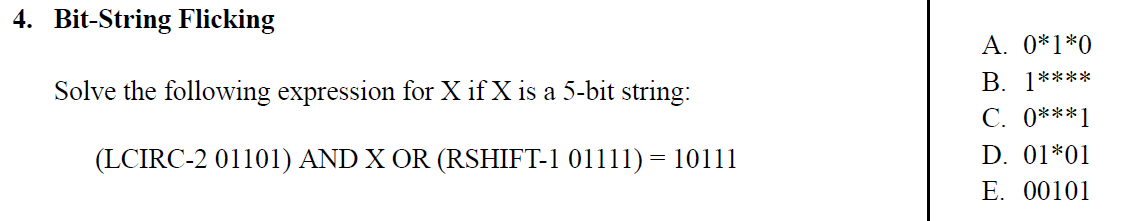
/ - ^ + a b 2 c + d \* e - ^ b 2 a



(LCIRC-2 (RSHIFT-1 (NOT 10100))) OR (RCIRC-1 (LSHIFT-2 10111)) →

(LCIRC-2 (RSHIFT-1 01011)) OR (RCIRC-1 11100) →

(LCIRC-2 00101) OR 01110 → 10100 OR 01110 → 11110 Răspuns D



(LCIRC-2 01101) AND X OR (RSHIFT-1 01111) = 10111

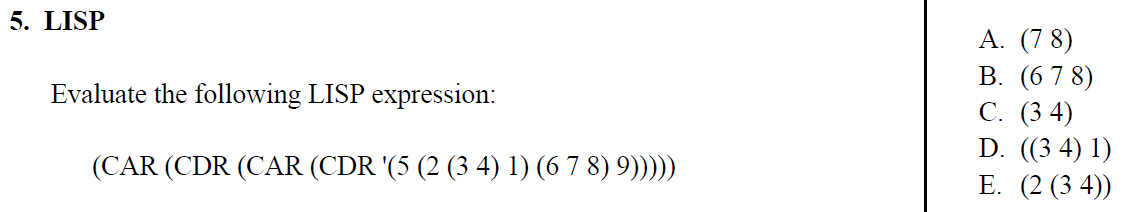
Notăm X = abcde

(LCIRC-2 01101) AND abcde OR (RSHIFT-1 01111) = 10111 →

10101 AND abcde OR 00111 = 10111 →

a0c0e OR 00111 = 10111 → a0111 = 10111 → a=1 deci restul pot fi oricare

Răspuns: b)



Ne amintim: Răsp: C

CAR listă = primul elem. din listă. Ex: CAR (cici mimi lola) = cici

CDR listă = șterge primul elem. din listă. Ex: CDR (cici mimi lola) = (mimi lola)

CONS elem listă = bagă în listă, pe prima poz. elementul. Ex

CONS fifi (cici mimi lola) = (fifi cici mimi lola)

(CAR (CDR (CAR (CDR '(5 (2 (3 4) 1) (6 7 8) 9)) ))) →

Lista dată este (5 (2 (3 4) 1) (6 7 8) 9 ) am colorat fiecare element diferit.

primul elem. este valoarea atomică 5

al doilea este lista (2 (3 4) 1)

al treilea este lista (6 7 8)

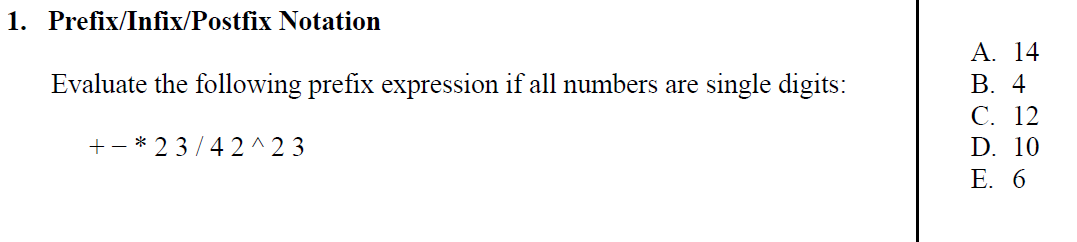
ultimul elem. este valoarea atomică 9

(CAR (CDR (CAR '( (2 (3 4) 1) (6 7 8) 9 ) ))) →

(CAR (CDR (2 (3 4) 1) ))) →

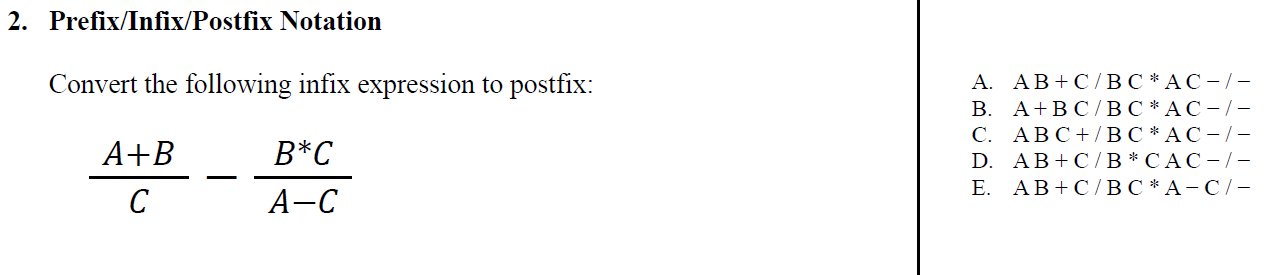
(CAR ( (3 4) 1) ) → (3 4)

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+ − \* 2 3 / 4 2 ^ 2 3 → + − 6 2 8

+ − 6 2 8 → + 4 8 → 12 Răspuns: C)

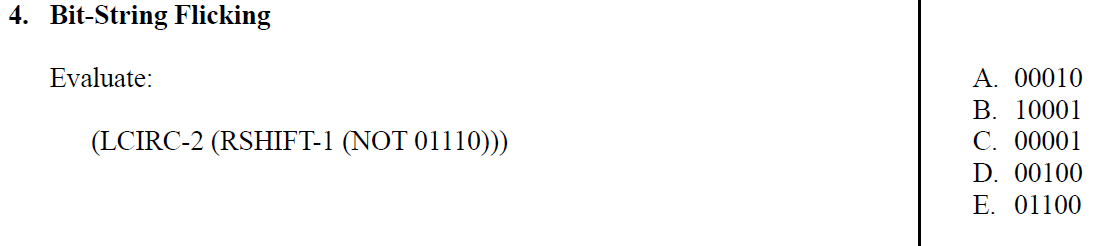


A B + C / B C \* A C - / - Răspuns: A)



10100 OR 01100 AND 01011 →

10100 OR 01000 → 11100 Răspuns: B)



(LCIRC-2 (RSHIFT-1 (NOT 01110))) →

(LCIRC-2 (RSHIFT-1 10001)) →

(LCIRC-2 01000) → 00001 Răspuns: C)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | p | r | t | o | c | i | | ~~1000~~  ~~1100~~  ~~1210~~  1331 | 10 | 3 | 1000 | 1  2  3 | 100  110  121 |   afișează p-o = 331  Răspuns: D |