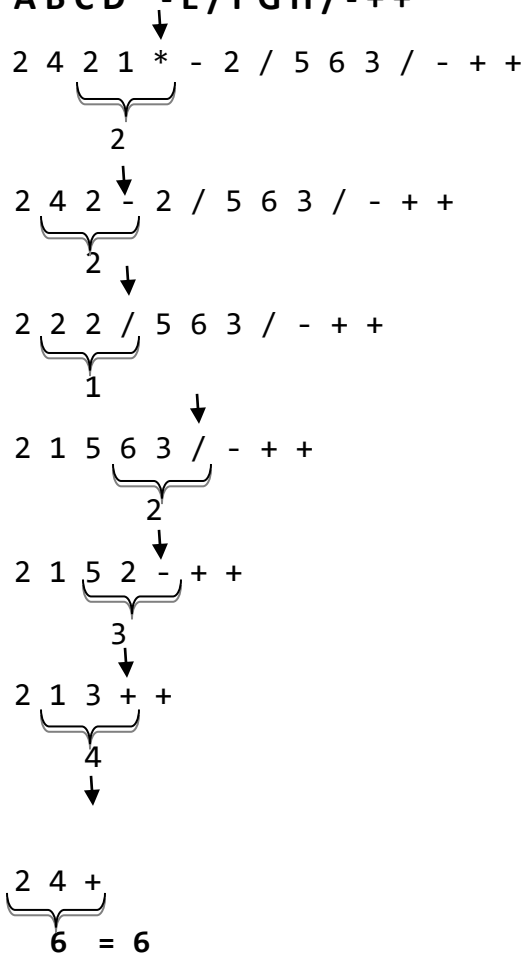
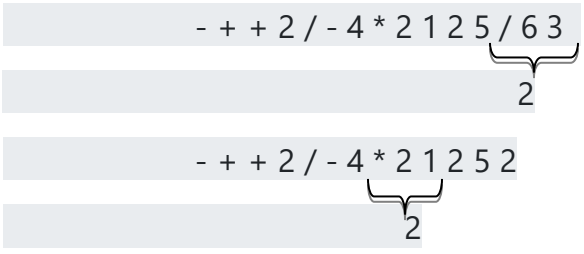
Q1 i) **A + ((B – C * D) / E) + F – G / H**

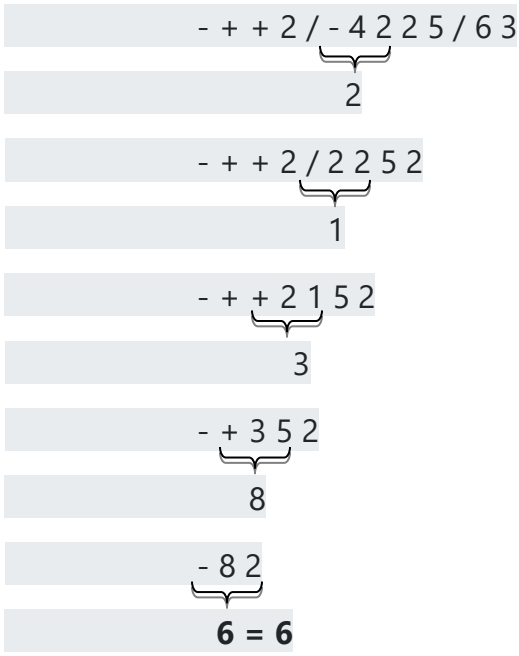
2 + ((4 – 2 * 1) / 2) + 5 – 6 / 3

Postfix : **A B C D * - E / F G H / - + +**



Prefix : **- + + A / - B * C D E F / G H**

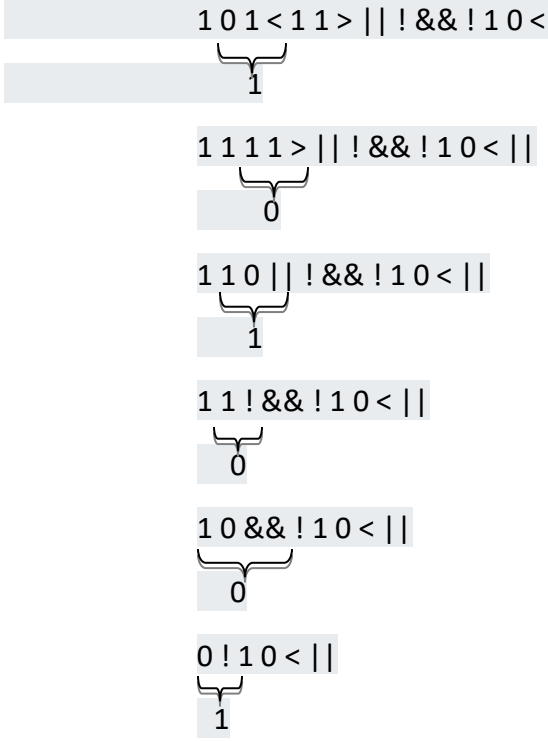




ii) **! (A && ! ((B < C) || (C > D))) || (C < E)**

! (1 && ! ((0 < 1) || (1 > 1))) || (1 < 0) = 1

Postfix : **A B C < C D > || ! && ! C E < ||**



1 1 0 < | |

0

1 0 | |

1 = 1

Prefix : **| | ! && A ! | | < B C > C D < C E**

| | ! && 1 ! | | < 0 1 > 1 1 < 1 0

0

| | ! && 1 ! | | < 0 1 > 1 1 0

0

| | ! && 1 ! | | < 0 1 0 0

1

| | ! && 1 ! | | 1 0 0

1

| | ! && 1 ! 1 0

0

| | ! && 1 0 0

0

| | ! 0 0

1

| | 1 0

1 = 1