Postfix to Infix conversion

Example

abc-+de-fg-h+/\*

|  |  |
| --- | --- |
| **Expression** | **Stack** |
| abc-+de-fg-h+/\* | NuLL |
| bc-+de-fg-h+/\* | "a" |
| c-+de-fg-h+/\* | |  | | --- | | "b" | | "a" | |
| -+de-fg-h+/\* | |  | | --- | | "c" | | "b" | | "a" | |
| +de-fg-h+/\* | |  | | --- | | "b - c" | | "a" | |
| de-fg-h+/\* | |  | | --- | | "a+b-c" | |
| e-fg-h+/\* | |  | | --- | | "d" | | "a+b-c" | |
| -fg-h+/\* | |  | | --- | | "e" | | "d" | | "a+b-c" | |
| fg-h+/\* | |  | | --- | | "d - e" | | "a+b-c" | |
| g-h+/\* | |  | | --- | | "f" | | "d - e" | | "a+b-c" | |
| -h+/\* | |  | | --- | | "g" | | "f" | | "d - e" | | "a+b-c" | |
| h+/\* | |  | | --- | | "f-g" | | "d - e" | | "a+b-c" | |
| +/\* | |  | | --- | | "h" | | "f-g" | | "d - e" | | "a+b-c" | |
| /\* | |  | | --- | | "f-g+h" | | "d - e" | | "a+b-c" | |
| \* | |  | | --- | | "(d-e)/(f-g-h)" | | "a+b-c" | |
| Null | |  | | --- | | "(a+b-c)\*(d-e)/(f-g+h)" | |

**Ans** = (a+b-c)\*(d-e)/(f-g+h)