Prefix to Infix conversion

Example

\*+a-bc/-de+-fgh

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

**Ans** = (a+b-c)\*(d-e)/(f-g+h)