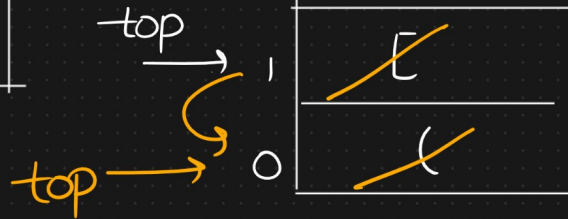


String = "([)]"

0	1	2	3
(	[	]	)



LIFO

↑

Stack

Empty → True

↑

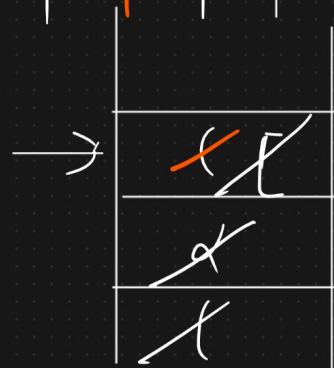
valid

Paranthesis

String = "(() [ ] {})"

0	1	2	3	4	5	6	7
(	{	(	)	[	]	{	}

↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑



Stack Empty

↓

( )

{ }

[ ]

Logic

↳ (, [, {

↳ Pushing inside the  
Stack

], }, )

↳ top element

⇓

False

✗

Mapped open bracket

↳

Not a

valid

Parenthesis

⇓

pop

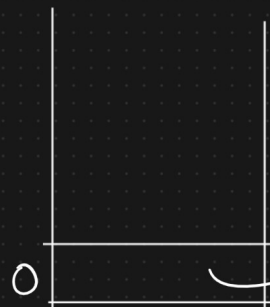
↓

Stack empty

Valid

Parenthesis

String = "[ ] { }"



No open bracket

⇓

Not a valid

Parenthesis