

Suppose,  $n = 2$

ans  $\rightarrow$  { " ( ( ) ) ", " ( ) ( ) " }

solve ( open, close, n, stor, ans )

stor = " "

solve ( 0, 0, 2, " ", ans )

stor = "("

solve ( 1, 0, 2, "(", ans )

stor = "(("

solve ( 2, 0, 2, "((", ans )

stor = "((")

solve ( 2, 1, 2, "(("), ans )

stor = "((")

solve ( 2, 2, 2, "(("), ans )

ans.push\_back ( stor );

stor = "((")

stor = "(("

stor = "("

stor = "()"

solve ( 1, 1, 2, "()", ans )

stor = "()("

solve ( 2, 1, 2, "()(", ans )

stor = "()()"

solve (2, 2, 2, "( ) ( )", ans)

ans.push\_back(stor)

stor = "( )"

stor = "( )"

stor = "( "

stor = " "