ENNWSWW(NEWS|)SSSEEN(WNSE|)EE(SWEN|)NNN ===> 18

^ENNWSWW(NEWS|)SSSEEN(WNSE|)EE(SWEN|)NNN$:18 : OK

Before Char:'E', branchRoutes: (0):[0,0], currentRoutes: (0):[0,0], routeStack:

After Char:'E', branchRoutes: (0):[0,0], currentRoutes: (1):[2,0], routeStack:

Before Char:'S', branchRoutes: (0):[0,0], currentRoutes: (1):[2,0], routeStack:

After Char:'S', branchRoutes: (0):[0,0], currentRoutes: (2):[2,2], routeStack:

Before Char:'S', branchRoutes: (0):[0,0], currentRoutes: (2):[2,2], routeStack:

After Char:'S', branchRoutes: (0):[0,0], currentRoutes: (3):[2,4], routeStack:

Before Char:'W', branchRoutes: (0):[0,0], currentRoutes: (3):[2,4], routeStack:

After Char:'W', branchRoutes: (0):[0,0], currentRoutes: (4):[0,4], routeStack:

Before Char:'W', branchRoutes: (0):[0,0], currentRoutes: (4):[0,4], routeStack:

After Char:'W', branchRoutes: (0):[0,0], currentRoutes: (5):[-2,4], routeStack:

Before Char:'N', branchRoutes: (0):[0,0], currentRoutes: (5):[-2,4], routeStack:

After Char:'N', branchRoutes: (0):[0,0], currentRoutes: (6):[-2,2], routeStack:

Before Char:'(', branchRoutes: (0):[0,0], currentRoutes: (6):[-2,2], routeStack:

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#006#####002#

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#005|004|003#

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After Char:'(', branchRoutes: (6):[-2,2], currentRoutes: (6):[-2,2], routeStack:

Before Char:'E', branchRoutes: (6):[-2,2], currentRoutes: (6):[-2,2], routeStack:

After Char:'E', branchRoutes: (6):[-2,2], currentRoutes: (7):[0,2], routeStack:

Before Char:'|', branchRoutes: (6):[-2,2], currentRoutes: (7):[0,2], routeStack:

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#005|004|003#

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After Char:'|', branchRoutes: (6):[-2,2], currentRoutes: (6):[-2,2], routeStack: (7):[0,2]

Before Char:'N', branchRoutes: (6):[-2,2], currentRoutes: (6):[-2,2], routeStack: (7):[0,2]

After Char:'N', branchRoutes: (6):[-2,2], currentRoutes: (7):[-2,0], routeStack: (7):[0,2]

Before Char:'N', branchRoutes: (6):[-2,2], currentRoutes: (7):[-2,0], routeStack: (7):[0,2]

After Char:'N', branchRoutes: (6):[-2,2], currentRoutes: (8):[-2,-2], routeStack: (7):[0,2]

Before Char:'E', branchRoutes: (6):[-2,2], currentRoutes: (8):[-2,-2], routeStack: (7):[0,2]

After Char:'E', branchRoutes: (6):[-2,2], currentRoutes: (9):[0,-2], routeStack: (7):[0,2]

Before Char:'N', branchRoutes: (6):[-2,2], currentRoutes: (9):[0,-2], routeStack: (7):[0,2]

After Char:'N', branchRoutes: (6):[-2,2], currentRoutes: (10):[0,-4], routeStack: (7):[0,2]

Before Char:'N', branchRoutes: (6):[-2,2], currentRoutes: (10):[0,-4], routeStack: (7):[0,2]

After Char:'N', branchRoutes: (6):[-2,2], currentRoutes: (11):[0,-6], routeStack: (7):[0,2]

Before Char:'(', branchRoutes: (6):[-2,2], currentRoutes: (11):[0,-6], routeStack: (7):[0,2]

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#008|009#####

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#007#XXX|001#

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After Char:'(', branchRoutes: (11):[0,-6], currentRoutes: (11):[0,-6], routeStack: (7):[0,2]

Before Char:'E', branchRoutes: (11):[0,-6], currentRoutes: (11):[0,-6], routeStack: (7):[0,2]

After Char:'E', branchRoutes: (11):[0,-6], currentRoutes: (12):[2,-6], routeStack: (7):[0,2]

Before Char:'E', branchRoutes: (11):[0,-6], currentRoutes: (12):[2,-6], routeStack: (7):[0,2]

After Char:'E', branchRoutes: (11):[0,-6], currentRoutes: (13):[4,-6], routeStack: (7):[0,2]

Before Char:'S', branchRoutes: (11):[0,-6], currentRoutes: (13):[4,-6], routeStack: (7):[0,2]

After Char:'S', branchRoutes: (11):[0,-6], currentRoutes: (14):[4,-4], routeStack: (7):[0,2]

Before Char:'S', branchRoutes: (11):[0,-6], currentRoutes: (14):[4,-4], routeStack: (7):[0,2]

After Char:'S', branchRoutes: (11):[0,-6], currentRoutes: (15):[4,-2], routeStack: (7):[0,2]

Before Char:'(', branchRoutes: (11):[0,-6], currentRoutes: (15):[4,-2], routeStack: (7):[0,2]

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#007#XXX|001#####

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After Char:'(', branchRoutes: (15):[4,-2], currentRoutes: (15):[4,-2], routeStack: (7):[0,2]

Before Char:'W', branchRoutes: (15):[4,-2], currentRoutes: (15):[4,-2], routeStack: (7):[0,2]

After Char:'W', branchRoutes: (15):[4,-2], currentRoutes: (16):[2,-2], routeStack: (7):[0,2]

Before Char:'N', branchRoutes: (15):[4,-2], currentRoutes: (16):[2,-2], routeStack: (7):[0,2]

After Char:'N', branchRoutes: (15):[4,-2], currentRoutes: (17):[2,-4], routeStack: (7):[0,2]

Before Char:'S', branchRoutes: (15):[4,-2], currentRoutes: (17):[2,-4], routeStack: (7):[0,2]

After Char:'S', branchRoutes: (15):[4,-2], currentRoutes: (18):[2,-2], routeStack: (7):[0,2]

Before Char:'E', branchRoutes: (15):[4,-2], currentRoutes: (18):[2,-2], routeStack: (7):[0,2]

After Char:'E', branchRoutes: (15):[4,-2], currentRoutes: (19):[4,-2], routeStack: (7):[0,2]

Before Char:'|', branchRoutes: (15):[4,-2], currentRoutes: (19):[4,-2], routeStack: (7):[0,2]

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After Char:'|', branchRoutes: (15):[4,-2], currentRoutes: (15):[4,-2], routeStack: (19):[4,-2], (7):[0,2]

Before Char:')', branchRoutes: (15):[4,-2], currentRoutes: (15):[4,-2], routeStack: (19):[4,-2], (7):[0,2]

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After Char:')', branchRoutes: (15):[4,-2], (19):[4,-2], currentRoutes: (15):[4,-2], (19):[4,-2], routeStack: (7):[0,2]

Before Char:'S', branchRoutes: (15):[4,-2], (19):[4,-2], currentRoutes: (15):[4,-2], (19):[4,-2], routeStack: (7):[0,2]

After Char:'S', branchRoutes: (15):[4,-2], (19):[4,-2], currentRoutes: (16):[4,0], (20):[4,0], routeStack: (7):[0,2]

Before Char:'S', branchRoutes: (15):[4,-2], (19):[4,-2], currentRoutes: (16):[4,0], (20):[4,0], routeStack: (7):[0,2]

After Char:'S', branchRoutes: (15):[4,-2], (19):[4,-2], currentRoutes: (17):[4,2], (21):[4,2], routeStack: (7):[0,2]

Before Char:'S', branchRoutes: (15):[4,-2], (19):[4,-2], currentRoutes: (17):[4,2], (21):[4,2], routeStack: (7):[0,2]

After Char:'S', branchRoutes: (15):[4,-2], (19):[4,-2], currentRoutes: (18):[4,4], (22):[4,4], routeStack: (7):[0,2]

Before Char:'|', branchRoutes: (15):[4,-2], (19):[4,-2], currentRoutes: (18):[4,4], (22):[4,4], routeStack: (7):[0,2]

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After Char:'|', branchRoutes: (15):[4,-2], (19):[4,-2], currentRoutes: (15):[4,-2], (19):[4,-2], routeStack: (22):[4,4], (18):[4,4], (7):[0,2]

Before Char:'W', branchRoutes: (15):[4,-2], (19):[4,-2], currentRoutes: (15):[4,-2], (19):[4,-2], routeStack: (22):[4,4], (18):[4,4], (7):[0,2]

After Char:'W', branchRoutes: (15):[4,-2], (19):[4,-2], currentRoutes: (16):[2,-2], (20):[2,-2], routeStack: (22):[4,4], (18):[4,4], (7):[0,2]

Before Char:'W', branchRoutes: (15):[4,-2], (19):[4,-2], currentRoutes: (16):[2,-2], (20):[2,-2], routeStack: (22):[4,4], (18):[4,4], (7):[0,2]

After Char:'W', branchRoutes: (15):[4,-2], (19):[4,-2], currentRoutes: (17):[0,-2], (21):[0,-2], routeStack: (22):[4,4], (18):[4,4], (7):[0,2]

Before Char:'W', branchRoutes: (15):[4,-2], (19):[4,-2], currentRoutes: (17):[0,-2], (21):[0,-2], routeStack: (22):[4,4], (18):[4,4], (7):[0,2]

After Char:'W', branchRoutes: (15):[4,-2], (19):[4,-2], currentRoutes: (18):[-2,-2], (22):[-2,-2], routeStack: (22):[4,4], (18):[4,4], (7):[0,2]

Before Char:'S', branchRoutes: (15):[4,-2], (19):[4,-2], currentRoutes: (18):[-2,-2], (22):[-2,-2], routeStack: (22):[4,4], (18):[4,4], (7):[0,2]

After Char:'S', branchRoutes: (15):[4,-2], (19):[4,-2], currentRoutes: (19):[-2,0], (23):[-2,0], routeStack: (22):[4,4], (18):[4,4], (7):[0,2]

Before Char:'S', branchRoutes: (15):[4,-2], (19):[4,-2], currentRoutes: (19):[-2,0], (23):[-2,0], routeStack: (22):[4,4], (18):[4,4], (7):[0,2]

After Char:'S', branchRoutes: (15):[4,-2], (19):[4,-2], currentRoutes: (20):[-2,2], (24):[-2,2], routeStack: (22):[4,4], (18):[4,4], (7):[0,2]

Before Char:'S', branchRoutes: (15):[4,-2], (19):[4,-2], currentRoutes: (20):[-2,2], (24):[-2,2], routeStack: (22):[4,4], (18):[4,4], (7):[0,2]

After Char:'S', branchRoutes: (15):[4,-2], (19):[4,-2], currentRoutes: (21):[-2,4], (25):[-2,4], routeStack: (22):[4,4], (18):[4,4], (7):[0,2]

Before Char:'S', branchRoutes: (15):[4,-2], (19):[4,-2], currentRoutes: (21):[-2,4], (25):[-2,4], routeStack: (22):[4,4], (18):[4,4], (7):[0,2]

After Char:'S', branchRoutes: (15):[4,-2], (19):[4,-2], currentRoutes: (22):[-2,6], (26):[-2,6], routeStack: (22):[4,4], (18):[4,4], (7):[0,2]

Before Char:'E', branchRoutes: (15):[4,-2], (19):[4,-2], currentRoutes: (22):[-2,6], (26):[-2,6], routeStack: (22):[4,4], (18):[4,4], (7):[0,2]

After Char:'E', branchRoutes: (15):[4,-2], (19):[4,-2], currentRoutes: (23):[0,6], (27):[0,6], routeStack: (22):[4,4], (18):[4,4], (7):[0,2]

Before Char:'(', branchRoutes: (15):[4,-2], (19):[4,-2], currentRoutes: (23):[0,6], (27):[0,6], routeStack: (22):[4,4], (18):[4,4], (7):[0,2]

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#022|023#########

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After Char:'(', branchRoutes: (23):[0,6], (27):[0,6], currentRoutes: (23):[0,6], (27):[0,6], routeStack: (22):[4,4], (18):[4,4], (7):[0,2]

Before Char:'S', branchRoutes: (23):[0,6], (27):[0,6], currentRoutes: (23):[0,6], (27):[0,6], routeStack: (22):[4,4], (18):[4,4], (7):[0,2]

After Char:'S', branchRoutes: (23):[0,6], (27):[0,6], currentRoutes: (24):[0,8], (28):[0,8], routeStack: (22):[4,4], (18):[4,4], (7):[0,2]

Before Char:'W', branchRoutes: (23):[0,6], (27):[0,6], currentRoutes: (24):[0,8], (28):[0,8], routeStack: (22):[4,4], (18):[4,4], (7):[0,2]

After Char:'W', branchRoutes: (23):[0,6], (27):[0,6], currentRoutes: (25):[-2,8], (29):[-2,8], routeStack: (22):[4,4], (18):[4,4], (7):[0,2]

Before Char:'|', branchRoutes: (23):[0,6], (27):[0,6], currentRoutes: (25):[-2,8], (29):[-2,8], routeStack: (22):[4,4], (18):[4,4], (7):[0,2]

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#####010#017#014#

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#022|023#########

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After Char:'|', branchRoutes: (23):[0,6], (27):[0,6], currentRoutes: (23):[0,6], (27):[0,6], routeStack: (29):[-2,8], (25):[-2,8], (22):[4,4], (18):[4,4], (7):[0,2]

Before Char:'N', branchRoutes: (23):[0,6], (27):[0,6], currentRoutes: (23):[0,6], (27):[0,6], routeStack: (29):[-2,8], (25):[-2,8], (22):[4,4], (18):[4,4], (7):[0,2]

After Char:'N', branchRoutes: (23):[0,6], (27):[0,6], currentRoutes: (24):[0,4], (28):[0,4], routeStack: (29):[-2,8], (25):[-2,8], (22):[4,4], (18):[4,4], (7):[0,2]

Before Char:'N', branchRoutes: (23):[0,6], (27):[0,6], currentRoutes: (24):[0,4], (28):[0,4], routeStack: (29):[-2,8], (25):[-2,8], (22):[4,4], (18):[4,4], (7):[0,2]

After Char:'N', branchRoutes: (23):[0,6], (27):[0,6], currentRoutes: (25):[0,2], (29):[0,2], routeStack: (29):[-2,8], (25):[-2,8], (22):[4,4], (18):[4,4], (7):[0,2]

Before Char:'N', branchRoutes: (23):[0,6], (27):[0,6], currentRoutes: (25):[0,2], (29):[0,2], routeStack: (29):[-2,8], (25):[-2,8], (22):[4,4], (18):[4,4], (7):[0,2]

After Char:'N', branchRoutes: (23):[0,6], (27):[0,6], currentRoutes: (26):[0,0], (30):[0,0], routeStack: (29):[-2,8], (25):[-2,8], (22):[4,4], (18):[4,4], (7):[0,2]

Before Char:'E', branchRoutes: (23):[0,6], (27):[0,6], currentRoutes: (26):[0,0], (30):[0,0], routeStack: (29):[-2,8], (25):[-2,8], (22):[4,4], (18):[4,4], (7):[0,2]

After Char:'E', branchRoutes: (23):[0,6], (27):[0,6], currentRoutes: (27):[2,0], (31):[2,0], routeStack: (29):[-2,8], (25):[-2,8], (22):[4,4], (18):[4,4], (7):[0,2]

Before Char:')', branchRoutes: (23):[0,6], (27):[0,6], currentRoutes: (27):[2,0], (31):[2,0], routeStack: (29):[-2,8], (25):[-2,8], (22):[4,4], (18):[4,4], (7):[0,2]

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After Char:')', branchRoutes: (27):[2,0], (31):[2,0], (29):[-2,8], currentRoutes: (27):[2,0], (31):[2,0], (29):[-2,8], routeStack: (25):[-2,8], (22):[4,4], (18):[4,4], (7):[0,2]

Before Char:')', branchRoutes: (27):[2,0], (31):[2,0], (29):[-2,8], currentRoutes: (27):[2,0], (31):[2,0], (29):[-2,8], routeStack: (25):[-2,8], (22):[4,4], (18):[4,4], (7):[0,2]

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After Char:')', branchRoutes: (27):[2,0], (31):[2,0], (29):[-2,8], (25):[-2,8], currentRoutes: (27):[2,0], (31):[2,0], (29):[-2,8], (25):[-2,8], routeStack: (22):[4,4], (18):[4,4], (7):[0,2]

Before Char:')', branchRoutes: (27):[2,0], (31):[2,0], (29):[-2,8], (25):[-2,8], currentRoutes: (27):[2,0], (31):[2,0], (29):[-2,8], (25):[-2,8], routeStack: (22):[4,4], (18):[4,4], (7):[0,2]

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#005|004|003#018#

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#022|023#########

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#025|024#########

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After Char:')', branchRoutes: (27):[2,0], (31):[2,0], (29):[-2,8], (25):[-2,8], (22):[4,4], currentRoutes: (27):[2,0], (31):[2,0], (29):[-2,8], (25):[-2,8], (22):[4,4], routeStack: (18):[4,4], (7):[0,2]

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#.D.D.#.#

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#####006#007#008#

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#004|005|006|007#

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#003#XXX|001#008#

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#003|002|003#010#

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#004|003#########

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#005|004#########

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ESSWWN(E|NNENN(EESS(WNSE|)SSS|WWWSSSSE(SW|NNNE))) ===> 10

^ESSWWN(E|NNENN(EESS(WNSE|)SSS|WWWSSSSE(SW|NNNE)))$:23 : FAILED

Input : ^ESSWWN(E|NNENN(EESS(WNSE|)SSS|WWWSSSSE(SW|NNNE)))$, Expected : 23, Got : 10