

SPOJ Problem Set (main)

4729. KHaalttaj ilerkhijlel

Problem code: CSMS0111

KH n' z?v khaalttaj ilerkhijll??dijn olonlog bajg. KH olonlogijn element??d n' z?vkh?n '(' ba ') ' gesen temdegt??dees togtono. KH olonlogijg daraakh bajdlaar todorkhojlž bolno:

- KHooson temdegt m?r n' KH-ijn element bolno
- KHerev A n' KH-ijn element bol (A) n' KH-ijn element bajna
- KHerev A, V n' KH-ijn element??d bol tedgeerijg zalgakhad ??sekh AV n' m?n KH-ijn element bajna

Doorkh ilerkhijll??d n' z?v khaalttaj ilerkhijll??d bolokh ba KH-d khar"âalagdana:

()(())

((()))

KHarin doorkh ilerkhijll??d n' z?v khaalttaj ilerkhijlel biš ba KH-d khar"âalagdakhg?j:

((()))(())

()(())

E n' z?v khaalttaj ilerkhijlel bajg (E n' KH-d khar"âalagdana).

E-gijn urt gež t??nd orson temdegtijn toog khelne.

E-gijn g?n buyuu D(E)-g daraakh bajdlaar todorkhojlno:

0 kherev E n' khooson temdegt m?r bol

$D(E) = D(A) + 1$ kherev A n' KH-d khar"âalagddag ba $E = (A)$ bol

$\max(D(A), D(B))$ kherev A, V n' KH-d khar"âalagddag ba $E = AB$ bol

Žiše n' "()(())"-ijn urt n' 8, g?n n' 2 bajna. Eereg b?khel n, d toonuud ?g?gds?n bol n urttaj, d g?ntej z?v khaalttaj ilerkhijll??dijn too khed bajkh ve?

Orolt

n, d toonuud zajgaar tusgaarlagdan ?g?gd?n? ($2 \leq n \leq 38$, $1 \leq d \leq 19$).

Garalt

n urttaj, d g?ntej z?v khaalttaj ilerkhijll??dijn too bolokh neg b?khel toog khevlene.

Žišee

Orolt:6 2Garalt:3Tajlbar: Edgeer 3 širkheg z?v khaalttaj ilerkhijll??dijg door žagsaav(())() (()) (())

Added by: Khuder

Date: 2009-08-28

Time limit: 0.125s

Source limit:50000B

Languages: All