SuperCon '97

Sponsored by Computer Center, Tokyo Institute of Technology

SUPER COMPUTER CONTEST '97
# FOR HIGH SCHOOL STUDENTS

Entry Exercise:
Given a two-columns/four-rows table in which each element consists of 0,1s. Find a sequence of rows by which the sequences of elements in each columns exactly become the same.

Ex.		Col-Blue	Col-Red
	Row-1	010	10
	Row-2	101	10
	Row-3	0	000
	Row-4	0	101

Ans.   Row-2, 1, 2, 1, 4, 3 = 10101010101000

Contest Exercise: "Triangle Billiards Problem"
Given a triangle billiards (see the below). The ball starts at the edge C.
Find sets of a starting point and an angle to which the ball will return
in the same point with N cycles.
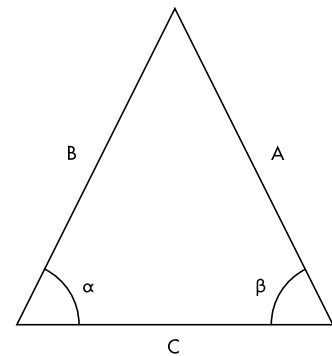
Conditions:
1. The size of the ball is zero.
2. Angles of Alpha, Beta and the cycle N are not given in advance.

Winner's Results:
Alpha=60, Beta=60 : 30 seconds
Alpha=30, Beta=40 : 48 seconds
Alpha=40, Beta=70 : 52 seconds

Team Chaos(Azabu High School)
(ADACHI Shin, WATANABE Morio, KUMATA Takehiro(not seen))

We are waiting for your challenge next year 1998.

For more information or comments, send an e-mail to: office@cc.titech.ac.jp.

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