Problem   ⦿A   ◯B   ◯C

Lab9

Program   [Browse...] Three_way_sum.cpp

20162008_CSE_VATSAL   **Listing**   ⦿ Submissions   ◯ Ranking   ◯ Questions   ◯

🔊 **shak 1.6.2**   **more...**   Update every [1 ⌄] minutes with [200 ⌄] lines

Problem description A : Dhaa-Dhaa-Dhin-Naa, Give   1:15 to

Dhaa-Dhaa-Dhin-Naa, Give me the beats

How about some tabla lessons first !!

Table is one of the main percussion instruments used in Hindustani classical music. In the hands of an expert tabla player, the tabla can make all kinds of fantastic sounds, but there are a couple of dozen commonly produced sounds - dhaa, ga, ge, gi, ka, ke, dhi, dhin, tin, ti, te, Ta, naa, ne, re. These are called **bols**, and it is these bols that are combined in various ways to get many interesting rhythms (taals).

Ustad Dim Tim is a professional tabla player who has practiced tabla for years. So after so many years our Ustad stumbles across an interesting problem. Ustad is writing a new composition. He is almost done with his composition. But he has last 8 beats left to fill. He can fill the last eight places with only two bols. One bol **Dhaa** which is one beat bol and the other **Dhin-Naa** which is a 2 beat bol. So he tries to enumerate it like this.

1.
(Dhaa)(Dhaa)(Dhaa)(Dhaa)(Dhaa)(Dhaa)(Dhaa)(Dhaa)
   1   1   1   1   1   1   1   1

2.
(Dhin-Naa) (Dhin-Naa)(Dhin-Naa) (Dhin-Naa)
    2   2   2   2

3.
(Dhaa) (Dhaa) (Dhaa) (Dhaa) (Dhin-Naa) (Dhin-Naa)
   1   1   1   1   2   2

4.
(Dhaa) (Dhaa) (Dhin-Naa)(Dhaa) (Dhaa) (Dhin-Naa)
   1   1   2   1   1   2