Hyperpublic Challenge - Problem 1

Hyperpublic users can add their friends by emailing a photo of them to add@hyperpublic.com. We want to determine a user's influence on the system by determining how many users he is responsible for. A user's influence is calculated by giving him 1 point for every user he's added in addition to the sum of the influence scores of each user that he's added.

Example: User 0 adds User 1 and User 2. User 1 adds User 3.

User 0's influence score is 3. *(He added two users and one of them added added a third user.)*
User 1's is 1.
User 2's is 0.
User 3's is 0.

The above scenario is represented by the following input file. Line **`i`** is user ID **`i`** and position **`j`** within the line is marked with an **`X`** if user ID **`i`** added user ID **`j`**. Both row and column indicies are 0-based:

```
0XX0
000X
0000
0000
```

Use the input file here to determine what the highest influence score is among 100 random Hyperpublic users. To compute the answer to problem 1, append the top 3 influence totals together in descending order. *(For example if they are 17, 5, and 3 then submit 1753)*

Answer

Submit

Questions? Need a hint? Email challenge@hyperpublic.com