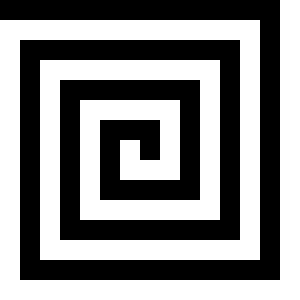
**GTI 101**

The Soul Stone was one of the six Infinity Stones, the remnant of a singularity that predates the universe. For some time, it was kept on the planet Vormir under the watchful eye of Red Skull, before Thanos came to the planet in search of it and had to tragically sacrifice his beloved daughter Gamora to obtain it. Soul Stone to the point of only knowing its name. Despite, or perhaps because of, this aura of mystery, it would eventually be considered as the most dangerous of all the Infinity Stones. To find the soul stone you are given a matrix of integer values and the matrix must be traced as in the given diagram below.



The values are given in Base 8 as the people from Asgard don't follow decimal format, it's your job to find the stone to accumulate it's intense strength and get your next clue.



**Input Format**

First line contain row (m) and column (n) number of matrix

Then next m lines have the matrix values.

**Constraints**

No constraints

**Output Format**

String

**Sample Input 0**

3 2

170 141

162 156

141 144

**Sample Output 0**

xandar

**Explanation 0**

On tracing the matrix on given path. The values found to be inorder of (170 141 156 144 141 162)

And to get the final result we have convert the octal values to string x-170, a-141,....., a-141, r-162

Thus we get xandar as final result.