





You need to be prepared for every amount that could be withdrawn.

- You are given a list of currencies.
- Each currency includes a coin with the value one. This will be the case for all future levels.
- For each currency, **construct every amount from 1 to 100 with the fewest coins possible.**
- There may be multiple correct solutions.



Input – identical to level 1

Name	Description	Example
N	Number of currencies	3 5 1 2 6 9 14 1 2 3 4 7 1 3 5 8 11
C	Number of coin values per currency	
Currency (repeated N times)	C integers separated by spaces, each representing the value of a coin	

Output

Name	Description	Example
Solution String (repeated N × 100 times)	Amounts of every coin value separated by space (The amount is followed by an ‘x’ and the coin value). The order of amounts within one line does not matter.	1x1 1x2 1x2 1x1 2x2 2x2 1x1 1x6 1x6 1x1 1x6 1x2 1x9 1x9 1x1 1x9 1x2 2x6 2x6 1x1 1x14 . .





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CONTEST

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