





You have proven yourself worthy of taking on every type of withdrawal. There will be some millionaires coming today.

- You are given a list of currencies.
- For each currency you are given a list of amounts to construct.
- For each amount, **construct it with the fewest coins possible**, within the given currency.
- **Beware:** You may need millions of coins.
- There may be multiple correct solutions.



Input - identical to level 2

Name	Description	Example
N	Number of currencies	3 5 4 1 2 6 9 14 412 31 512 630 1 2 3 4 7 77775 432444 322344 54345 1 3 5 8 11 6554 456534 645645 234545
C	Number of coin values per currency	
A	Number of amounts per currency	
Repeated N times		
Coin set	C integers separated by spaces, each representing the value of a coin	
Amounts	A integers representing the amounts to construct with exactly two coins	

Output - identical to previous level

Name	Description	Example
Solution String (repeated N × A times)	Amounts of every coin value separated by space (The amount is followed by an 'x' and the coin value).	29x14 1x6 2x14 1x2 1x1 36x14 1x6 1x2 45x14 11110x7 1x4 1x1 61777x7 1x4 1x1 46049x7 1x1 7763x7 1x4 595x11 1x8 1x1 41503x11 1x1 58695x11 21322x11 1x3





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CODING
CONTEST

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