

D. Matchsticks

Find the largest integer that can be formed with exactly *N* matchsticks, under the following conditions:

- Every digit in the integer must be one of the digits A1, A2, ..., AM(1≤Ai≤9).
- The number of matchsticks used to form digits 1,2,3,4,5,6,7,8,9 should be 2,5,5,4,5,6,3,7,6, respectively.

Constraints

- All values in input are integers.
- 2 ≤ N ≤ 10⁴
- $1 \le M \le 9$
- $1 \le A_i \le 9$
- Ai are all different.
- There exists an integer that can be formed by exactly *N* matchsticks under the conditions.

Input

Input is given from Standard Input in the following format:

N M A1 A2 ... AM

Output

Print the largest integer that can be formed with exactly *N* matchsticks under the conditions in the problem statement.

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Sample 1:

Input	Output
20 4	777773
3 7 8 4	

The integer 777773 can be formed with 3+3+3+3+5=20 matchsticks, and this is the largest integer that can be formed by 20 matchsticks under the conditions.

Sample 2:

Input	Output
101 9	711111111111111111111111111111111111111
9 8 7 6	
5 4 3 2	
1	

Sample 3:

Input	Output
15 3	654
5 4 6	