Fractional Knapsack

Given *weights* and *values* of **N** items, we need to put these items in a knapsack of capacity **W** to get the *maximum* total value in the knapsack.
Note: Unlike 0/1 knapsack, you are allowed to break the item.

Input:
First line consists of an integer T denoting the number of test cases. First line consists of two integers N and W, denoting number of items and weight respectively. Second line of every test case consists of 2*N spaced integers denoting Values and weight respectively. (Value1 Weight1 Value2 Weight2.... ValueN WeightN)

Output:
Print the maximum value possible to put items in a knapsack, upto 2 decimal place.

Constraints:
1 <= T <= 100
1 <= N <= 100
1 <= W <= 100

Example:
Input:
2
3 50
60 10 100 20 120 30
2 50
60 10 100 20

Output:
240.00
160.00

Explanation:
Test Case 1: We can have a total value of 240 in the following manner:
W = 50 (total weight the Knapsack can carry)
Val = 0
Include the first item. Hence we have: W = 50-10 = 40, Val = 60
Include the second item. W = 40-20 = 20, Val = 160
Include 2/3rd of the third item. W = 20-20 = 0, Val = 160 + (2/3)*120 = 160 + 80 = 240.

Test Case 2: We can have a total value of 160 in the following manner:
W = 50 (total weight the Knapsack can carry)
Val = 0
Include both the items. W = 50-10-20 = 20. Val = 0+60+100 = 160.