Algorithm to solve fractional knapsack problem :

ALGORITHM :

Fractional\_Knapsack(P[1….n], W[1….n], X[1….n], c)

Initialize X[] with zeroes.

profit = 0;

weight = 0;

i = 1;

while(weight < c)

if(weight + W[i] ≤ c)

X[i] = 1;

weight = weight + W[i];

else

X[i] = (c – weight )/W[i];

weight = c;

endif

profit = profit + P[i]×W[i];

i++;

endwhile

return profit;