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1.5
     * Let: \mathcal{X}_2 = \frac{\mathcal{X}_1 = \text{Servings of Row Cerrots}}{\text{Rahel potatoes}}
               of 3 = wheat bread
               xy = ____ chidder cheese
                25 = Plannt butter
      * Objective:
          minimize y (x) = 0.14 x1 + 0.12 x2 + 0.2x3 + 0.75 x4 + 0.15x5
           S.t
                  xi > 0, i= 1...5
                  23x1 + 171 x2 + 65 x3 + 112 x4 + 188x5 >, 2000
                                        + 9.8 xy + 16 x5 250
                  0.1x1 + 0.2x2
                  0.6x1 + 9.7x2 + 2.2xs + 7xy + 7.7x6 > 100
                   6x1 + 30 x2 + 15 x3 + 2 x5 > 250
1.6
   a)
     * Let xi= # ihem i to take, i= 1...7
      * Objective:
            maximize f(x) = \sum_{i=1}^{n} n_i n_i
             S.t
                   xi (1, xi &N , i=1..7
                   = xivi & 3.6
       * Let xis = # og itern i in vehicle j (iz 1...7; j=1,2)
       · Objective:
            movernite f(\alpha) = \sum_{i=1}^{\infty} \frac{1}{\sum_{i=1}^{\infty} x_{ij}} v_i
                       xij {2; xij & NI, i=1...7; j=1,2
             s.t
                       Ni+ Ni2 = 2, i=1..7
                       = xijvi (1.6, j=1,2
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Lij >, 0; i = 1, 7, j = 1,2

In this LP has a peasible solution: Xij is the # cy item i in rehiclej