





```
The new mu is: 1.8100532473005348e-119 and the value objective gap is [[3.25809598e-118]]
The new mu is: 1.4207944844402046e-119 and the value objective gap is [[2.55743016e-118]]
The new mu is: 1.1152472834853219e-119 and the value objective gap is [[2.007445e-118]]
The new mu is: 8.754091580046074e-120 and the value objective gap is [[1.57573672e-118]]
The new mu is: 6.87149124025122e-120 and the value objective gap is [[1.23686802e-118]]
The new mu is: 5.3937511885842904e-120 and the value objective gap is [[9.70875366e-119]]
The new mu is: 4.2338046964156256e-120 and the value objective gap is [[7.62084813e-119]]
B set contains: [1, 5, 8, 9, 10, 11, 12, 13]
N set contains: [0, 2, 3, 4, 6, 7, 14, 15]
N complement set contains: [1, 5, 8, 9, 10, 11, 12, 13]
Optimal solution is:
       potatoes: 0.0
          bread: 7.4
          milk : 0.0
          eggs : 0.0
       yoghurt: 0.0
        veg oil : 0.46
           beef: 0.0
    strawberies: 0.0
Cost of all these items is: 171.9889502762431
Daily needs (CH,PR,FT,EN):
 [[ 355.35911602 81.43646409
                                90.
                                            2400.
                                                          ]]
-----Commercial solver solution-----
Optimal solution is:
       potatoes: 0.0
          bread : 6.48
          milk: 0.0
          eggs : 0.0
       yoghurt: 0.0
        veg oil: 0.51
          beef: 0.0
    strawberies: 0.0
Cost of all these items is: 152.83609606712864
```