הקלט הראשון:

"--------------------START 1 from 1--------------------------------"

"\*\*\*Data from file U\_5\_0020\_05\_0.txt: machinesNum=5 jobsNum=20"

input selected: size 20 sum 500

#########bestSolutionFound just got replaced "Target function=107 Number of Machines=5 . Content: <50,31,16,5>,<48,32,14,7,1>,<46,33,18,3>,<44,34,12,9>,<42,35,20>" #########

#########bestSolutionFound just got replaced "Target function=106 Number of Machines=5 . Content: <50,48,3>,<46,44,9,1>,<42,35,18,5>,<34,33,32>,<31,20,16,14,12,7>" #########

1000000 nodes so far ; active 12 ; deleted 999988

2000000 nodes so far ; active 12 ; deleted 1999988

3000000 nodes so far ; active 14 ; deleted 2999986

#########bestSolutionFound just got replaced "Target function=105 Number of Machines=5 . Content: <50,46,3,1>,<48,35,12,5>,<44,42,14>,<34,32,18,16>,<33,31,20,9,7>" #########

BEST FOUND: "Target function=105 Number of Machines=5 . Content: <50,46,3,1>,<48,35,12,5>,<44,42,14>,<34,32,18,16>,<33,31,20,9,7>"

nodes seen: 3212917 . run time: 27.155 seconds

----Our Results-------

"tf=105. Machines:<50,46,3,1>,<48,35,12,5>,<44,42,14>,<34,32,18,16>,<33,31,20,9,7>"

Run time: 27.155 seconds

"-----------END 1 from 1-----------------------------------------"

הקלטים הנוספים:

1. שלוש מכונות, גדלים 9,9,6,6,6,13.

"--------------------START 1 from 4--------------------------------"

"\*\*\*Data from file U\_5\_0006\_03\_1.txt: machinesNum=3 jobsNum=6"

input selected: size 6 sum 49

#########bestSolutionFound just got replaced "Target function=22 Number of Machines=3 . Content: <13,6>,<9,6>,<9,6>" #########

#########bestSolutionFound just got replaced "Target function=21 Number of Machines=3 . Content: <13>,<9,9>,<6,6,6>" #########

BEST FOUND: "Target function=21 Number of Machines=3 . Content: <13>,<9,9>,<6,6,6>"

nodes seen: 41 . run time: 0 seconds

----Our Results-------

"tf=21. Machines:<13>,<9,9>,<6,6,6>"

Run time: 0 seconds

"-----------END 1 from 4-----------------------------------------"

2. ובדומה ארבע מכונות, גדלים  9,9,6,6,6,6,13,14.

"--------------------START 2 from 4--------------------------------"

"\*\*\*Data from file U\_5\_0008\_04\_2.txt: machinesNum=4 jobsNum=8"

input selected: size 8 sum 69

#########bestSolutionFound just got replaced "Target function=24 Number of Machines=4 . Content: <14,6>,<13,6>,<9,6>,<9,6>" #########

#########bestSolutionFound just got replaced "Target function=23 Number of Machines=4 . Content: <14>,<13,6>,<9,9>,<6,6,6>" #########

BEST FOUND: "Target function=23 Number of Machines=4 . Content: <14>,<13,6>,<9,9>,<6,6,6>"

nodes seen: 258 . run time: 0 seconds

----Our Results-------

"tf=23. Machines:<14>,<13,6>,<9,9>,<6,6,6>"

Run time: 0 seconds

"-----------END 2 from 4-----------------------------------------"

3. שלוש מכונות, גדלים 3,3,3,4,4,5,5,6,6,7,7,8,8

"--------------------START 3 from 4--------------------------------"

"\*\*\*Data from file U\_5\_0013\_03\_3.txt: machinesNum=3 jobsNum=13"

input selected: size 13 sum 69

#########bestSolutionFound just got replaced "Target function=28 Number of Machines=3 . Content: <8,6,5,3,3>,<8,6,5,3>,<7,7,4,4>" #########

#########bestSolutionFound just got replaced "Target function=27 Number of Machines=3 . Content: <8,8,4,3>,<7,7,5,3>,<6,6,5,4,3>" #########

#########bestSolutionFound just got replaced "Target function=26 Number of Machines=3 . Content: <8,8,7>,<7,6,6,4>,<5,5,4,3,3,3>" #########

BEST FOUND: "Target function=26 Number of Machines=3 . Content: <8,8,7>,<7,6,6,4>,<5,5,4,3,3,3>"

nodes seen: 8 . run time: 0 seconds

----Our Results-------

"tf=26. Machines:<8,8,7>,<7,6,6,4>,<5,5,4,3,3,3>"

Run time: 0 seconds

"-----------END 3 from 4-----------------------------------------"

4. שתי מכונות, גדלים 4,5,5,9,10,11,12,14,15,27,32

"--------------------START 4 from 4--------------------------------"

"\*\*\*Data from file U\_5\_0011\_02\_4.txt: machinesNum=2 jobsNum=11"

input selected: size 11 sum 144

#########bestSolutionFound just got replaced "Target function=75 Number of Machines=2 . Content: <32,14,11,9,5>,<27,15,12,10,5,4>" #########

#########bestSolutionFound just got replaced "Target function=74 Number of Machines=2 . Content: <32,27,9,4>,<15,14,12,11,10,5,5>" #########

BEST FOUND: "Target function=74 Number of Machines=2 . Content: <32,27,9,4>,<15,14,12,11,10,5,5>"

nodes seen: 4 . run time: 0 seconds

----Our Results-------

"tf=74. Machines:<32,27,9,4>,<15,14,12,11,10,5,5>"

Run time: 0 seconds

"-----------END 4 from 4-----------------------------------------"