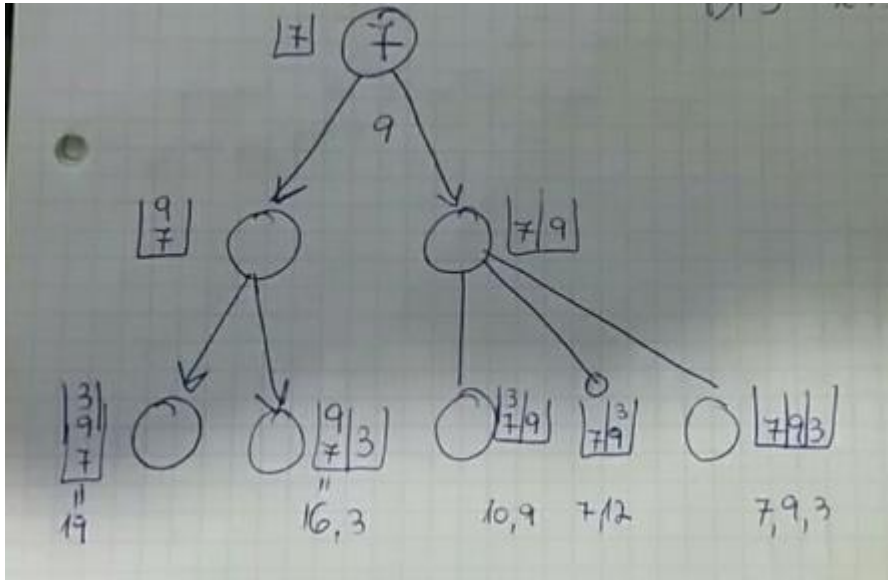
- Notice the root is the first job. We initialize it separately.
- Each machine is wrapped with <a1,a2,..,an>
- Cut off made => no point to prone that node
- Whenever a new best is found you see "######....
    - This example is a weak example since the best doesn't get replaced. We have another example with 3 jobs that the best get replaced ({7,9,2}). We chose this because we have a drawing of the tree




```
input selected: (7, 9, 3) size 3
       #########bestSolutionFound just got replaced "Target function=12 Number of Machines=3 . Content: <7>,<3>,<9>" ##
"current active(job=9)" "U=12 L=9. Machines:<7>. jobs Left: <3>"
    "son0" "U=18 L=16. Machines:<7,9>. jobs Left: <3>"
        "CUTOFF was made. job on hand: <9>. lower bound=16 is bigger than best solution so far=12"
    "son1" "U=12 L=9. Machines:<7>,<9>. jobs Left: <3>"
"current active(job=3)" "U=12 L=9. Machines:<7>,<9>. jobs Left: <>"
    "son0" "U=12 L=10. Machines:<7,3>,<9>. jobs Left: <>"
        leaf: "Target function=12 Number of Machines=2 . Content: <7,3>,<9>"
    "son1" "U=14 L=12. Machines:<7>,<9,3>. jobs Left: <>"
        leaf: "Target function=14 Number of Machines=2 . Content: <7>,<9,3>"
    "son2" "U=12 L=9. Machines:<7>,<9>,<3>. jobs Left: <>"
        leaf: "Target function=12 Number of Machines=3 . Content: <7>,<9>,<3>"
BEST FOUND:  "Target function=12 Number of Machines=3 . Content: <7>,<3>,<9>"
nodes seen: 7 . run time:  0.001 seconds
```