State Diagram – Task Manager

Take information

entry /data,
        number of node
do / preparation to divide

Correct data

Connect partial solutions

exit / send final solution to server

Missing some part

Checking data

Divide for node

do /divide data for node
exit / send partial problems
        to server

Checking number of partial solutions

entry / partial solutions

exit / send all partial solutions

Inccorect data

Correct

Inccorect divide

Correcr divide

Waiting for partial solutions

Send error

do / send error to server

Failure

Exit