Name: Si	varajesh A		
Roll No: e.g. 170001	19111091	Dept. :	CSE

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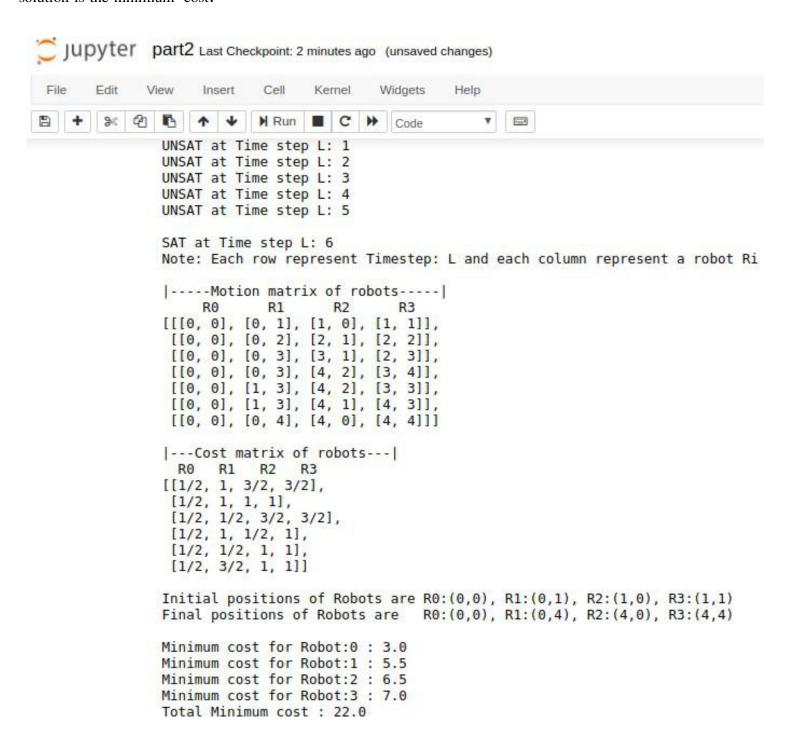


Fig 3: Snapshot of the execution of SMT solver.

^{*}Added all given constraints as a clauses into Z3 SMT solver.

^{*} TimeStep L was keep incremented from 1 till SAT is achieved.

^{*} Once it becomes SAT then ran solver with clause: And(newcost < oldcost), repeated until UNSAT, cost of last SAT solution is the minimum cost.

Name: S	Sivarajesh A		
Roll No : e.g. 170001	: 19111091	Dept. :	CSE

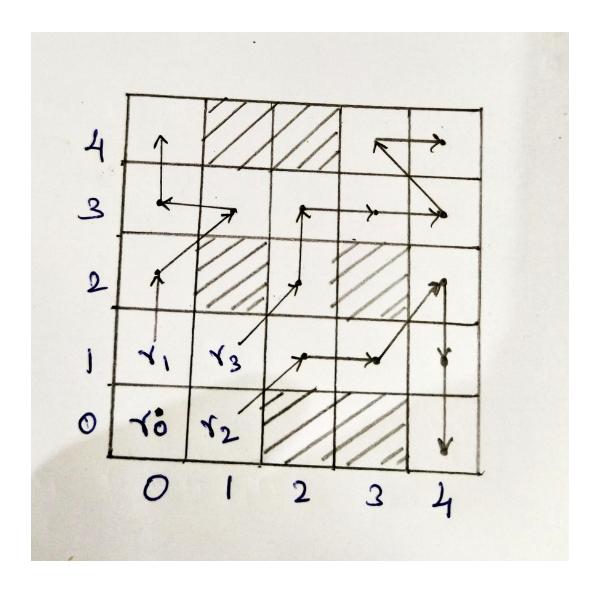


Fig 4: Trajectories synthesized from the solution obtained from SMT solver.