

One of the main differences between CBS A* implementation and regular A* is that CBS A* is adapted to handle constraints. In the successors function in CBS A* it can handle constraints while regular A* can't. Another difference is that CBS A* is designed to solve multi agent pathfinding problems while A* just handles single agent pathfinding. In single agent pathfinding A* only the cost and length of solution are returned, while in multi agent pathfinding A* a list with all the A* states are returned because the CBS algorithm needs to use it to detect new constraints because it handles multiple agents.