Write the python program to implement A* algorithm.

```
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import heapq

def astar(start, goal, neighbors, heuristic):
    frontier = [(0, start)]
    come from = (start: None)
    coat format = apaq-heappop(frontier)
    if correct = apaq-heappop(frontier)
    if or n in neighbors(current):
        new cost = cost = ofar[current] + 1
        if n not in cost = ofar[current] + 1
        if n not in cost = ofar[current] + 0
        curr = goal

while curr:
    path = []
    curr = goal

while curr:
    path.append(curr)
    path.reverse()
    return path, cost = ofar[goal]

method for a star([0, 0), (0, -1), (-1, 0)]
    return bas (node[0]-goal[0]) + abs (node[1]-goal[1])
    path, cost = a star([0, 0), (4, 4), neighbors, heuristic)
    print("Shortest Path:", path)
    print("Shortest Path:", path)

print("Shortest Path:", path)
```