

Cost of the path found

<u>Case</u>	<u>Algorithm</u>					
	<u>Dijkstra</u>	<u>A*</u>				
		<u>Admissible Heuristic</u>	<u>Non Admissible Heuristic</u>	<u>Diagonal distance</u>	<u>Manhattan Distance</u>	<u>Euclidean Distance</u>
		$\sqrt{(x-x_0)^2 + \frac{1}{2}(y-y_0)^2}$	$(x-x_0 + 2 y-y_0)$			
<u>Case 1</u>	181.0	181.0	189.0	181.0	181.0	181.0
<u>Case 2</u>	147.610	147.610	154.823	147.610	147.610	147.610

The time taken to find the path

<u>Case</u>	<u>Algorithm</u>					
	<u>Dijkstra</u>	<u>A*</u>				
		<u>Admissible Heuristic</u> $(\sqrt{(x-x_0)^2 + \frac{1}{2}(y-y_0)^2})$	<u>Non Admissible Heuristic</u> $(x-x_0 + 2 y-y_0)$	<u>Diagonal Distance</u>	<u>Manhattan Distance</u>	<u>Euclidean Distance</u>
<u>Case 1</u>	2.73132	1.87665	0.03927	1.5376	1.00643	1.52043
<u>Case 2</u>	5.83462	2.38283	0.016	1.8156	0.03587	1.34698