OBSERVATIONS

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As we can observe from the output, we got a optimal distance from Calais to seven different cities with A* algorithm using Haversine distance solution. With a path length of 906.0 and 5 nodes are expanded during this process.

From the table we can clearly notice that H_haversine algorithm has given best solutions when compared to H_zero, H_east_west, H_north_south. And we can notice H_zero and H_north_south algorithms have given almost same solutions where as H_east_west algorithm given slightly different solutions. Apart from H_haversine algorithm for other algorithm more then 10 nodes got opened but for H_haversine algorithm only 5 nodes got opened to the destination.