

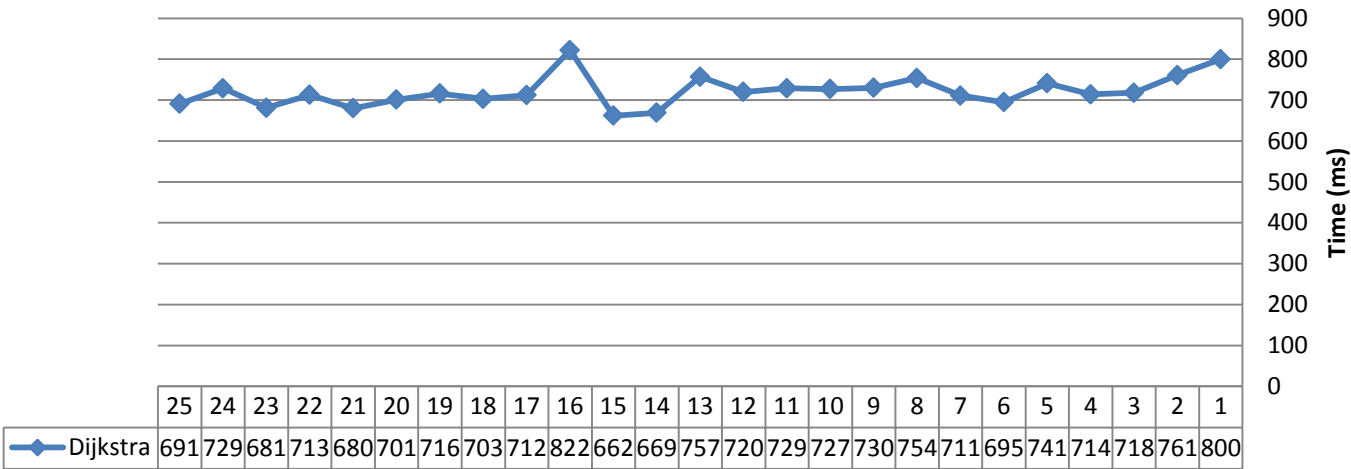
Map Routing

[ALG'13] PROJECT

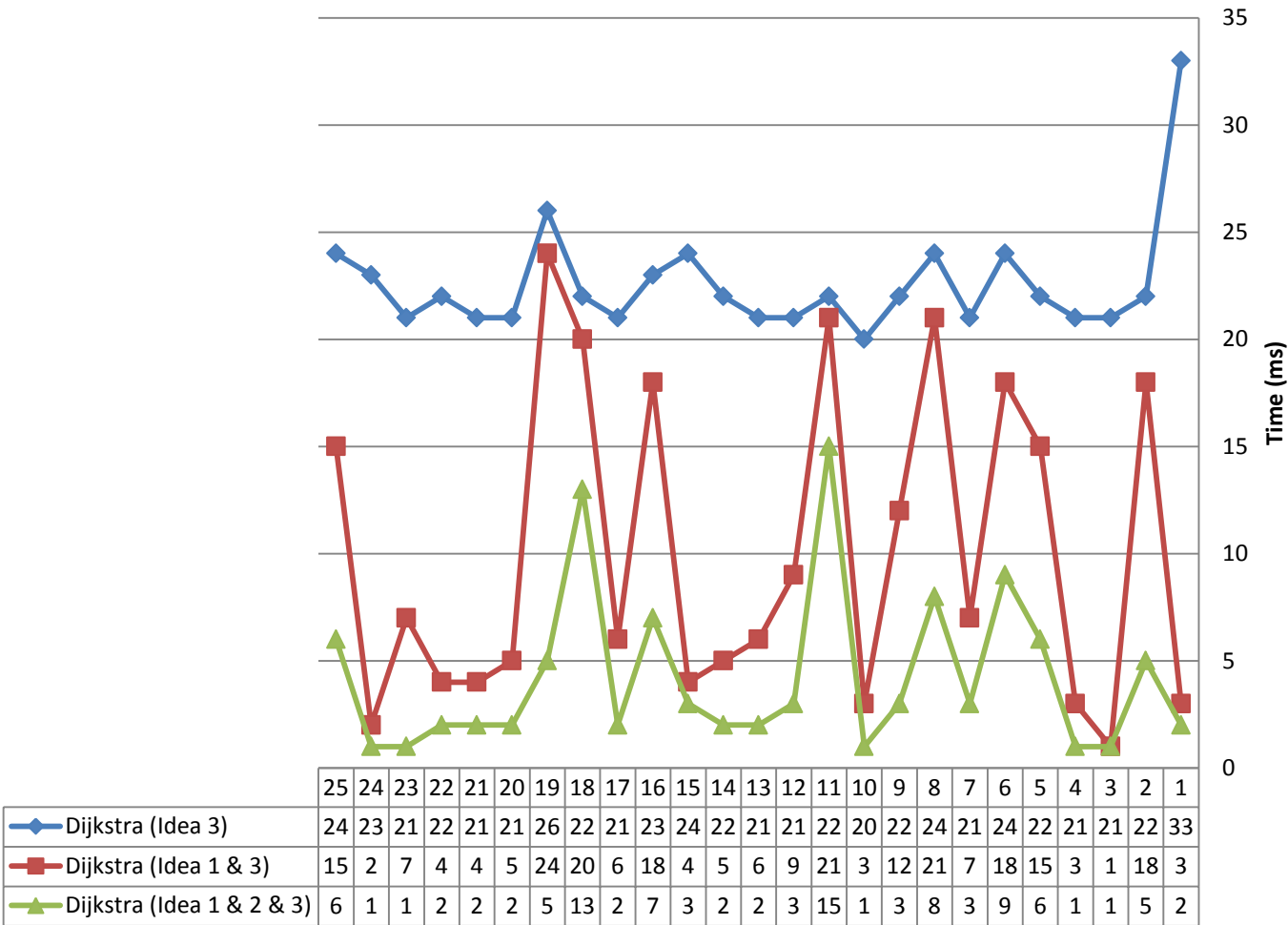
1/23/2014

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Map Routing



Map Routing



$O(|E|^2) \rightarrow$ long double Dijkstra(int Source,int Destination)

$O((|E|+|V|)*\log|V|) \rightarrow$ long double Dijkstra_Idea_3(int Source, int Destination)

$O((|E|+|V|)*\log|V|) \rightarrow$ long double Dijkstra_Idea_1_3(int Source, int Destination)

$O(|E|) \rightarrow$ long double Dijkstra_Idea_1_2_3(int Source, int Destination)

$O(1) \rightarrow$ long double Calculate_Distance(pair<int,int> From,pair<int,int> To)

$O(|E|*|V|) \rightarrow$ void Read_Map()

$O(N*|E|^2) \rightarrow$ void Read_Routes()

$O(L) \rightarrow$ void INPUT()

$O(L+|E|*|V|+ N*|E|^2) \rightarrow$ int main()