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Single Source Shortest Path Algerithm.
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Dijkstra's Algorithm
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Reudo Code

Dijkstras (v_s)

for
$$(i = 1 \text{ li } n)$$

visited $[i] = 0$;

dist $[i] = \infty$;

endfor

dist[s] = 0

endif

endfor each

endfor

complexity of Dijkstra's algorithm is O(nlogn+mlogn)

If bigary heap data structure is used and

its complexity is O(n+mlogn) if Fibonacci heap is wed.



