

Riepilogo sulle complessità di tutti gli algoritmi

ALGORITHM

COMPLESSITÀ

Heapsort

$O(m \log m)$

Counting sort

$O(m+k)$

Radix-sort

$O(m+k)$

Rad-cut

$O(m^2)$

Matrix-chain

$O(m^3)$

Activity-selector

$O(m)$

Huffman

$O(m \log m)$

LCS

$O(m \cdot m)$

Print Shortest Path

$O(|V|)$

NAIVE-SSSP

$O(V^3)$

DAG

$O(V+E)$

BELLMAN-FORD

$O(V \cdot E)$

Dijkstra

$O((V+E) \log V)$

Print-APSP

Extended-shortest-path

$O(V^3)$

Slow-APSP

$O(V^4)$

FAST-APSP

$O(V^3 \log V)$

FLOYD-WARSHALL

$O(V^3)$