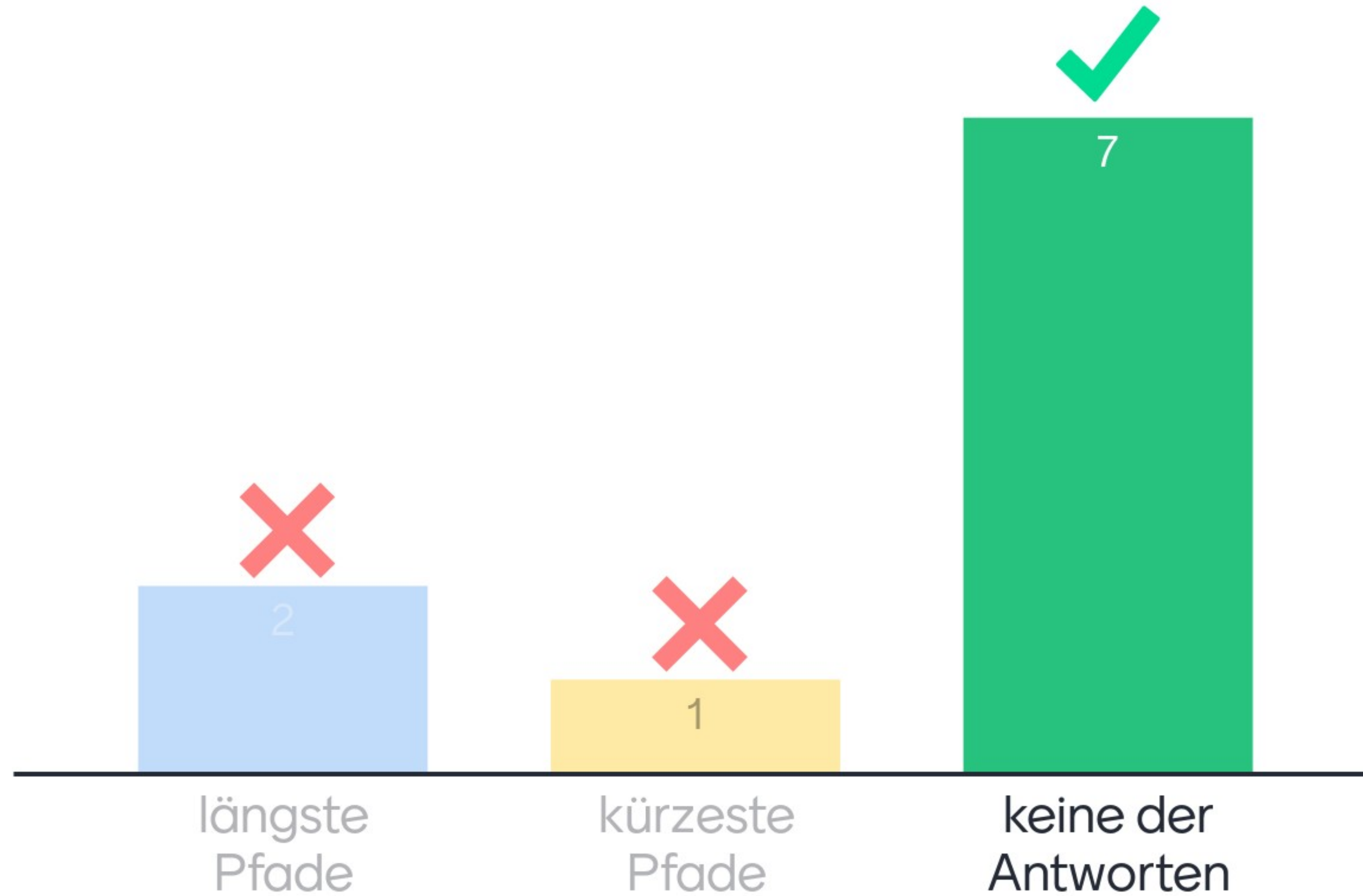


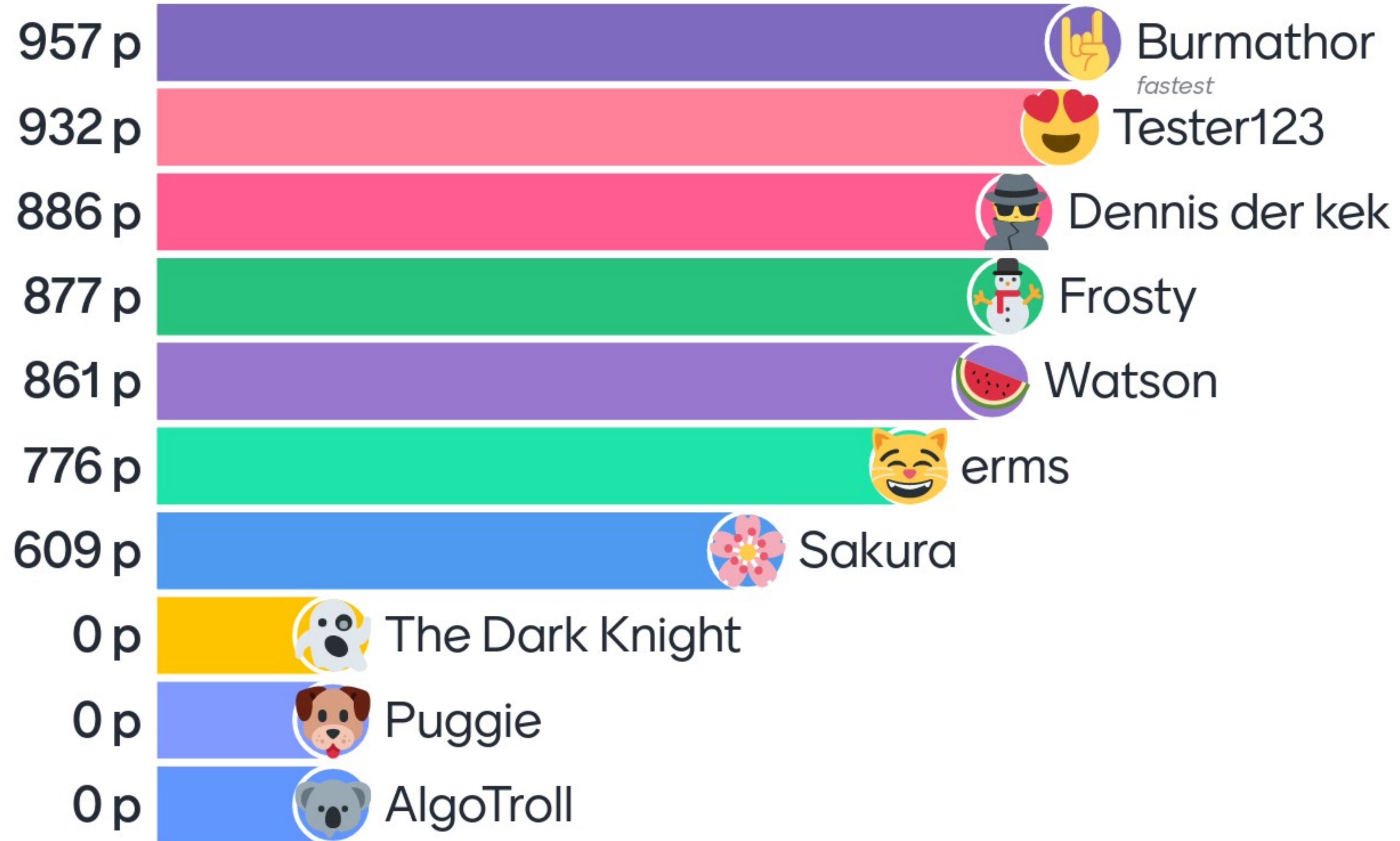
# Quiz 2 - Kürzeste Wege



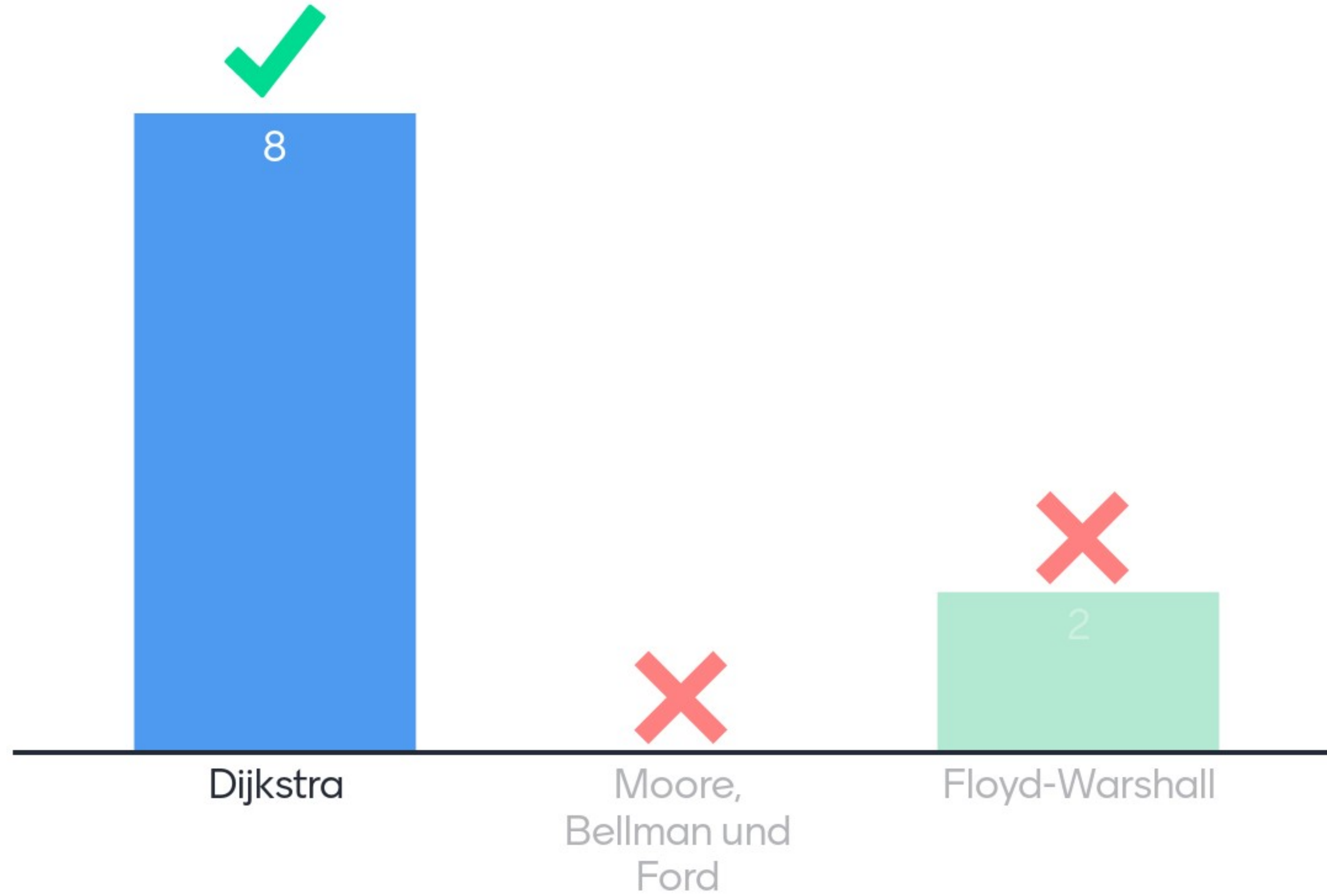
# Teilpfade längster Pfade sind...



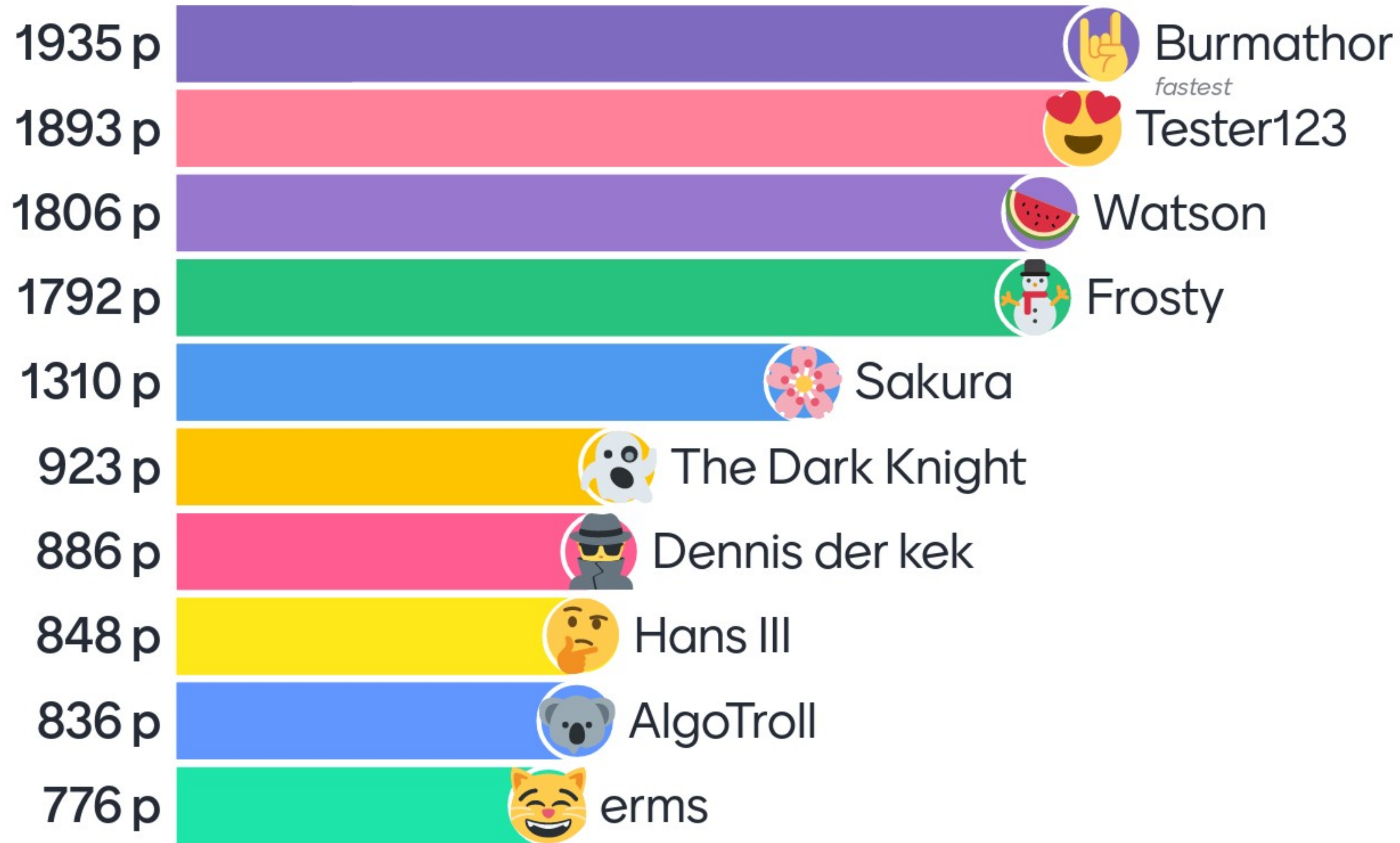
# Leaderboard



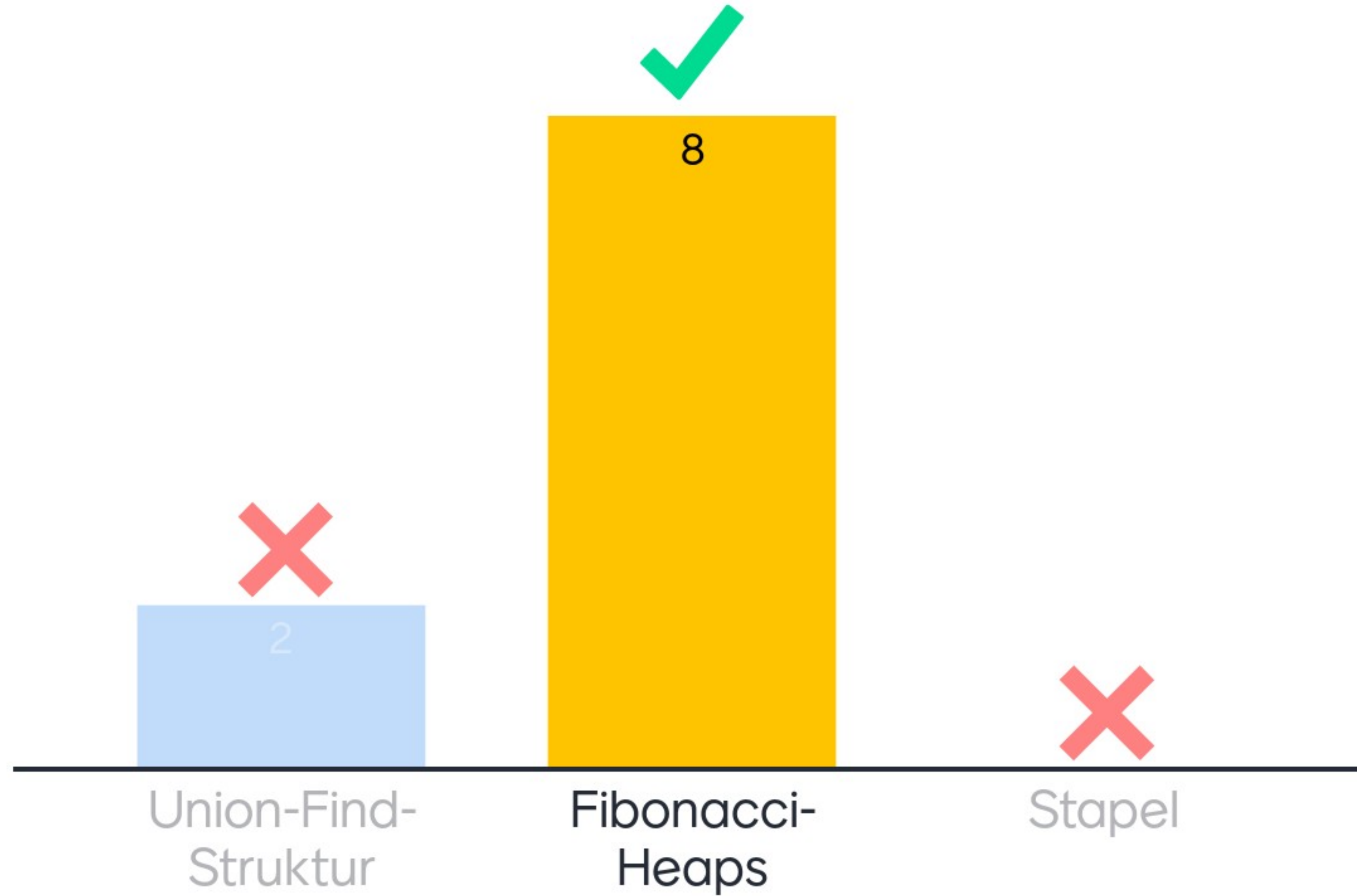
# Für Graphen mit pos. Gewichten eignet sich welcher Algorithmus für SSSP am besten?



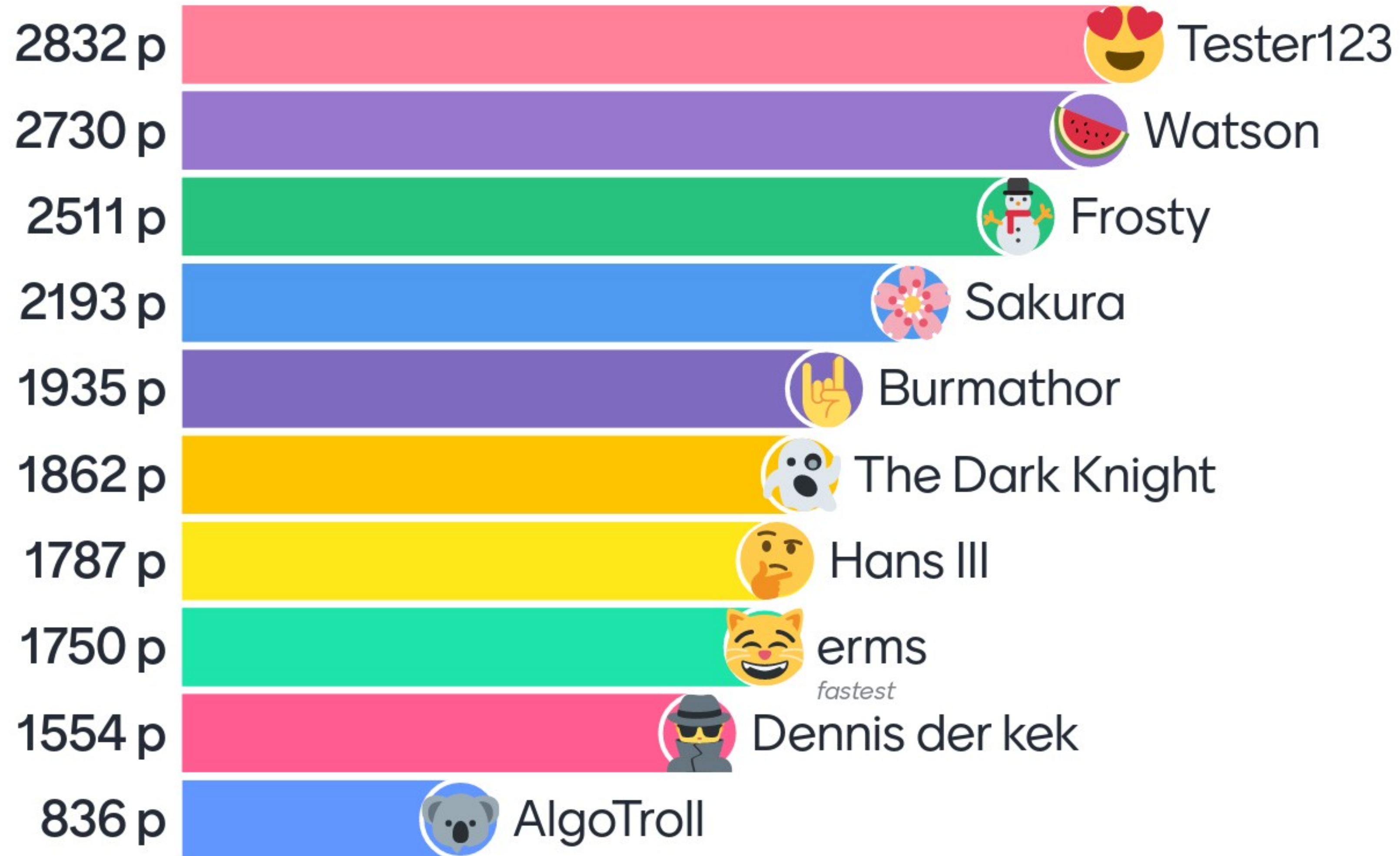
# Leaderboard



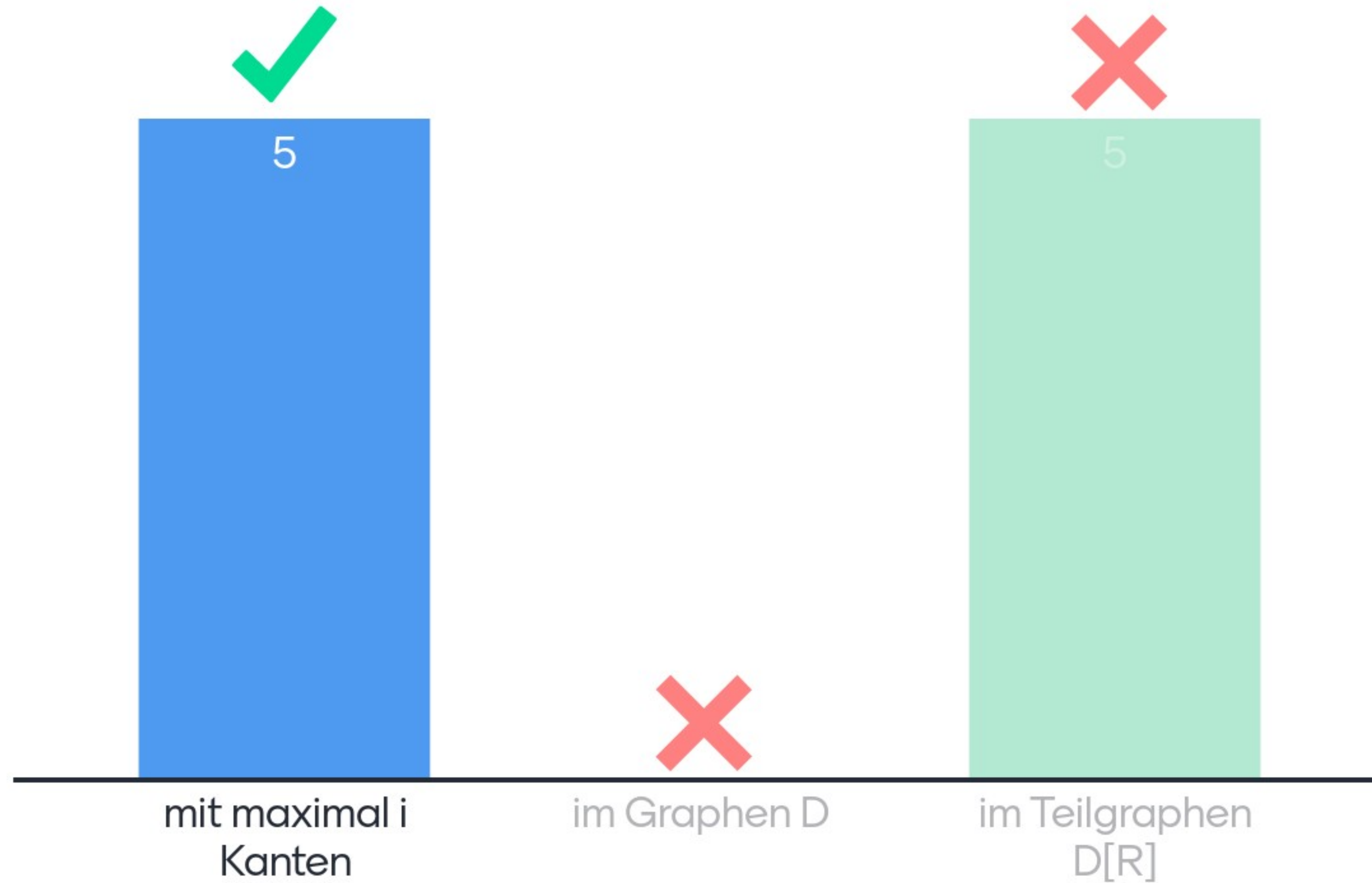
Welche Datenstruktur wird für Dijkstra benötigt, um die Laufzeit  $O(m + n \log n)$  zu garantieren?



# Leaderboard

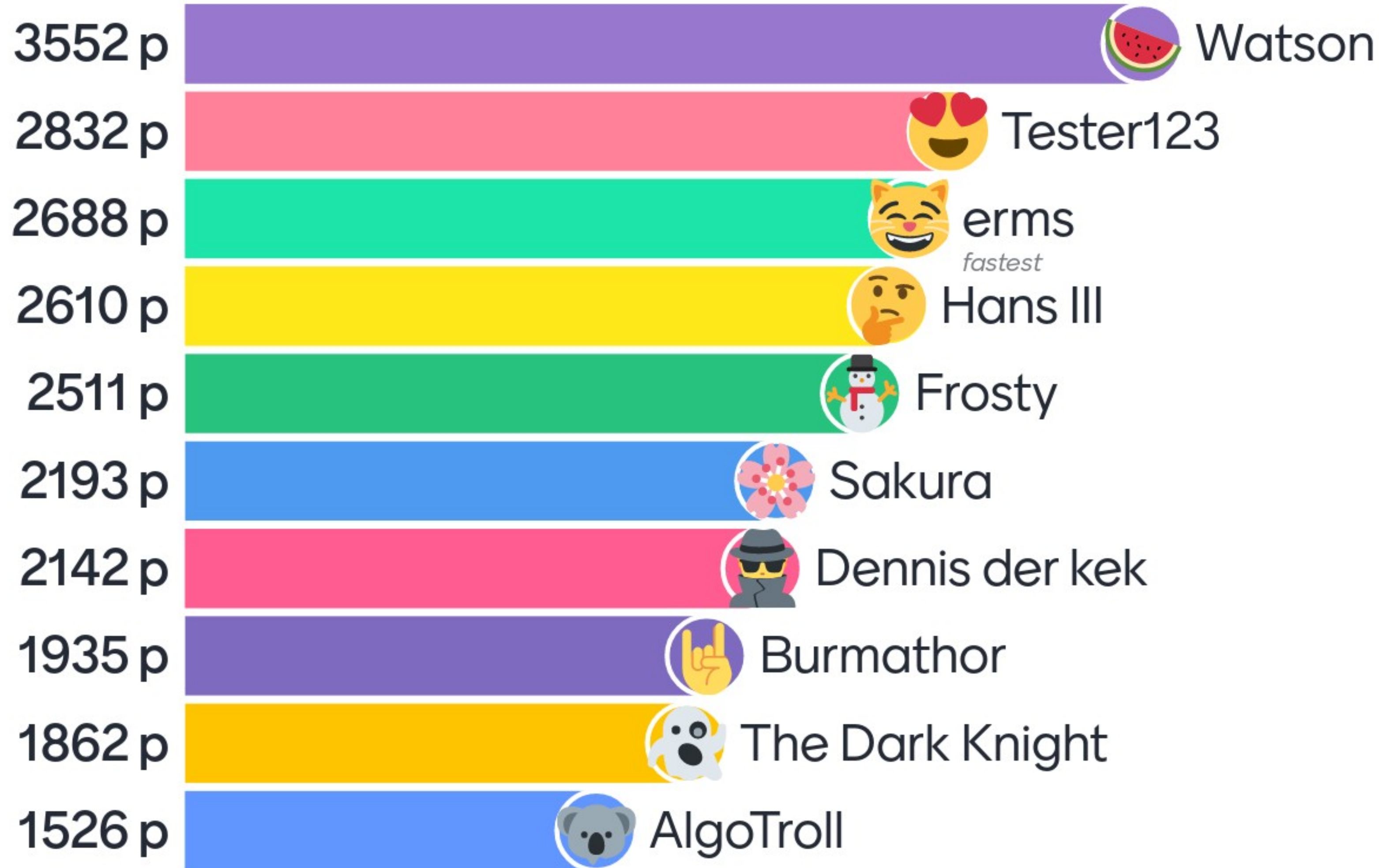


Bei MBF: Nach  $i$  Iterationen ist  $l(x)$  max die Länge eines kürzesten  $sx$ -Pfades...

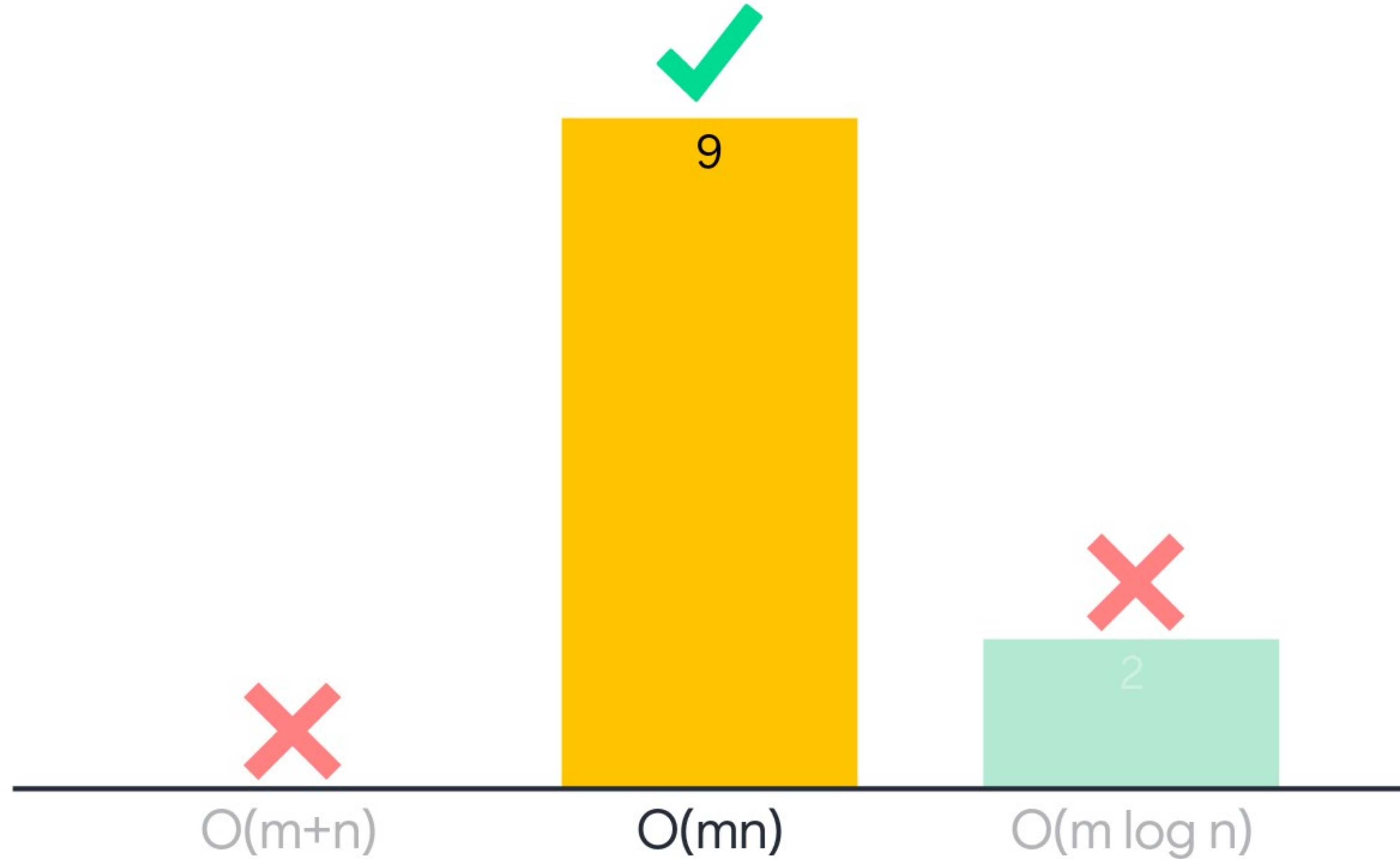




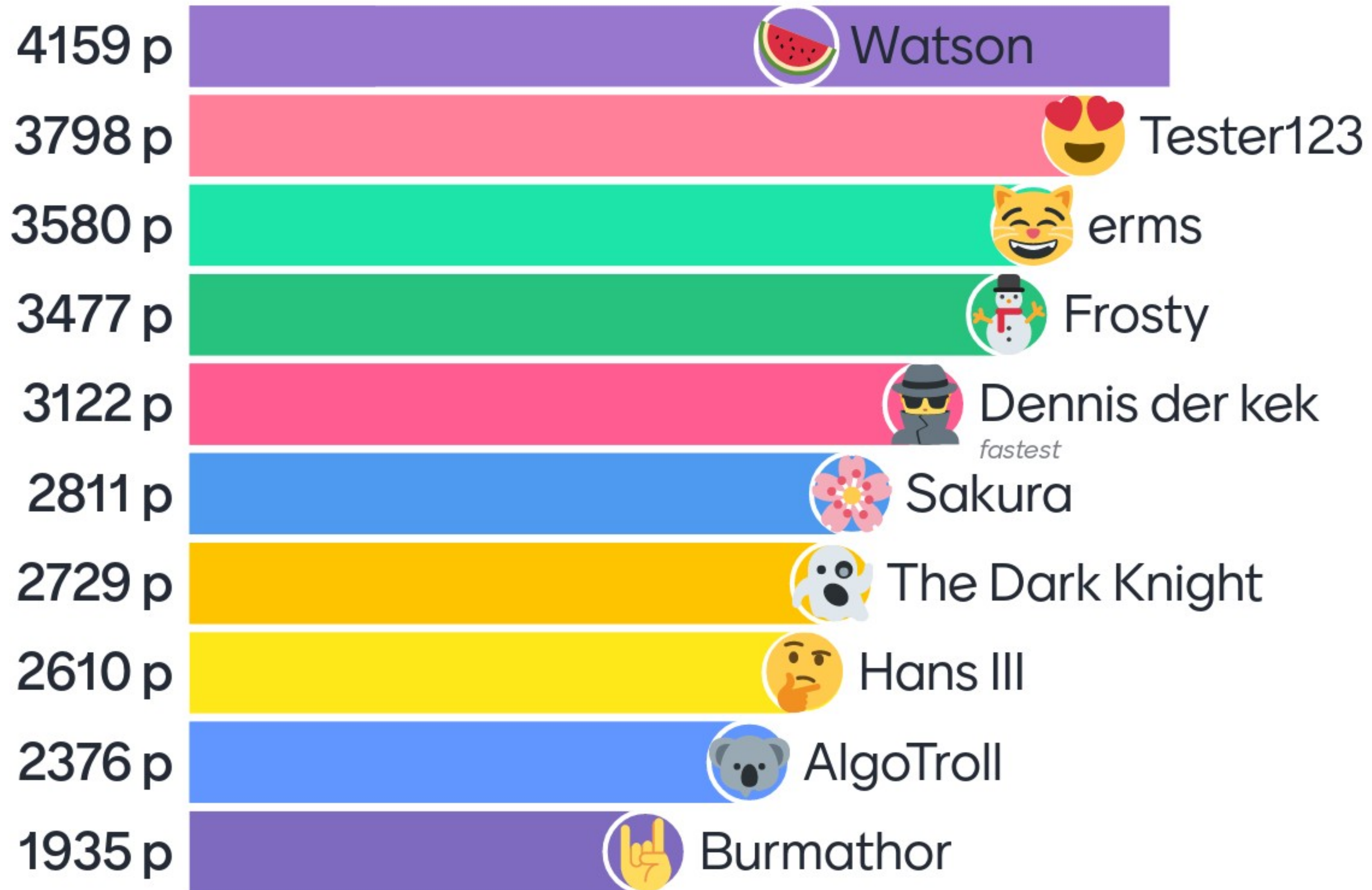
# Leaderboard



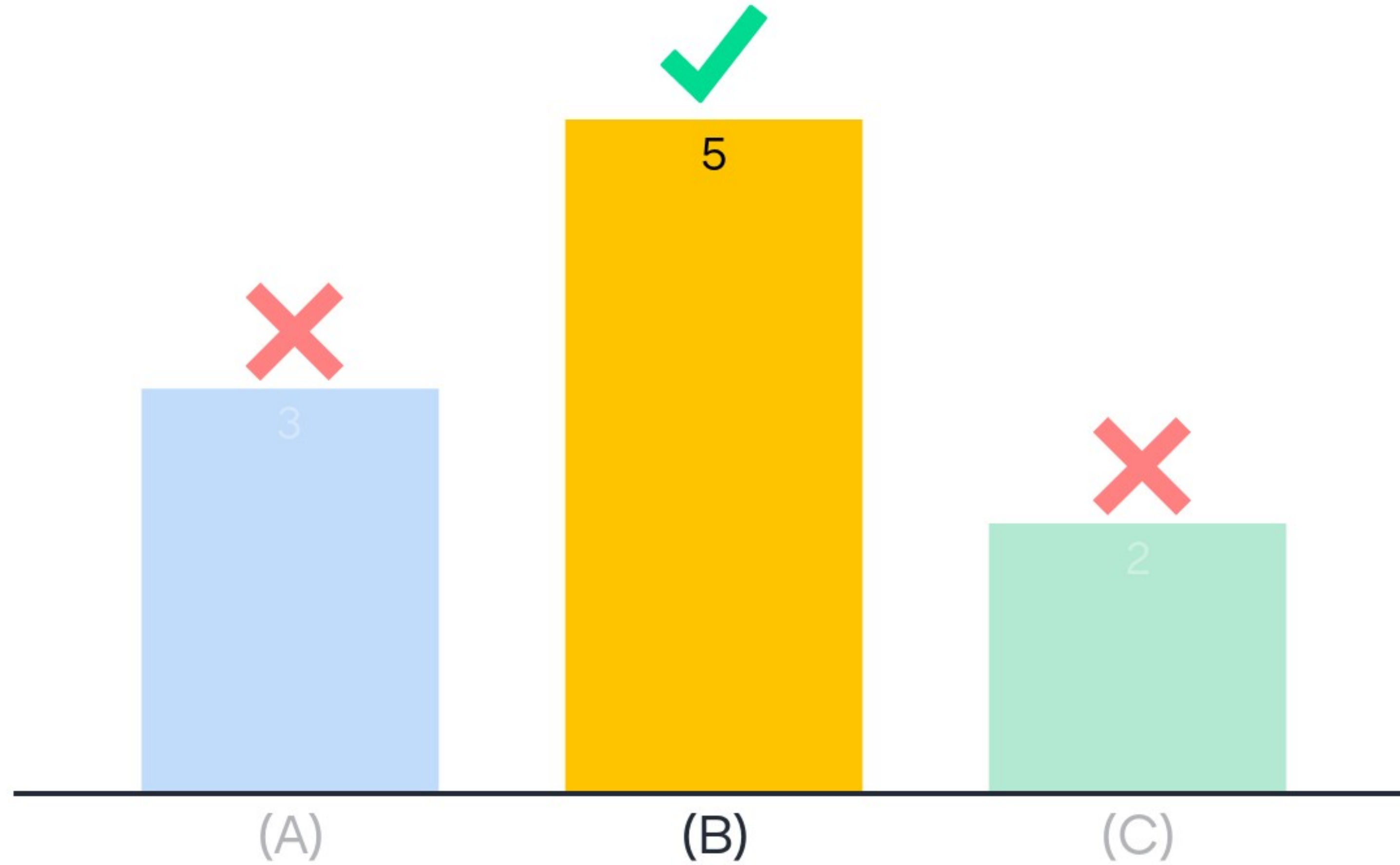
# Welche Laufzeit besitzt der MBF-Algorithmus?



# Leaderboard



Ein Graph besitzt neg. Kreise, wenn  $v_i, v_j$  aus  $V$  existieren für die nach Floyd-Warshall was gilt?

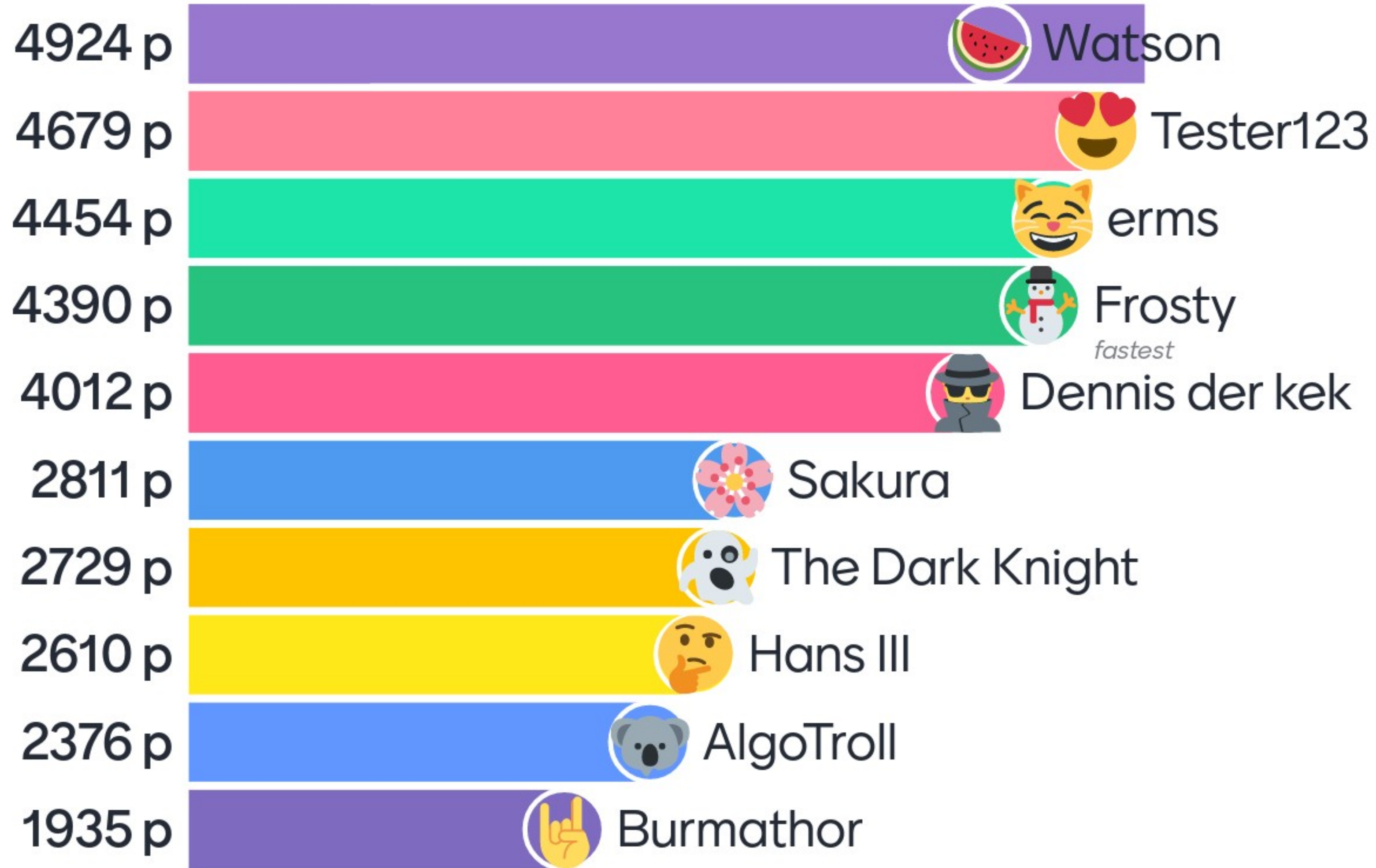


$$(A) \quad l_i(j) < 0$$

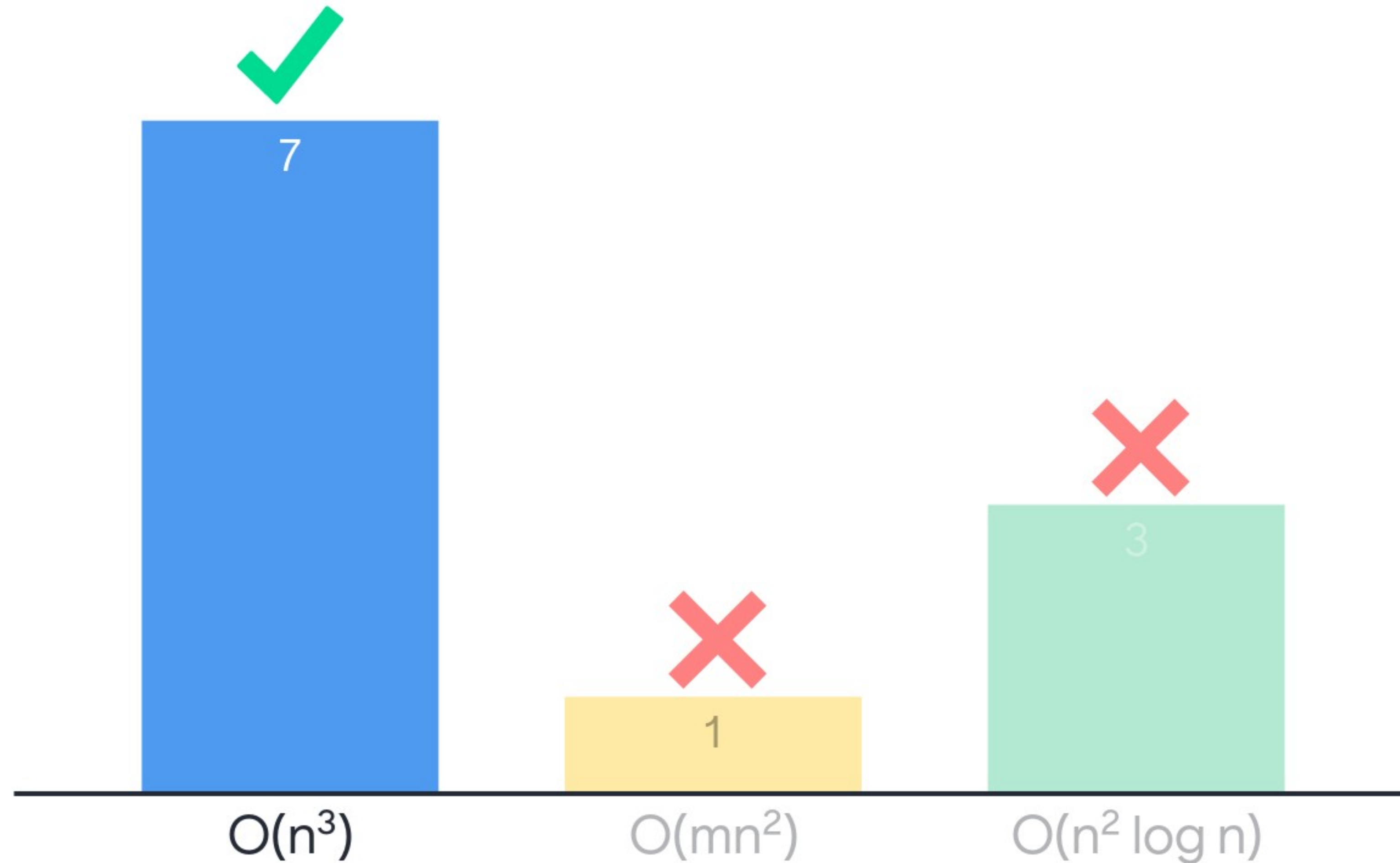
$$(B) \quad l_i(i) < 0$$

$$(C) \quad l_i(i) = l_j(j)$$

# Leaderboard



# Die Laufzeit von Floyd-Warshall ist...



# Leaderboard

