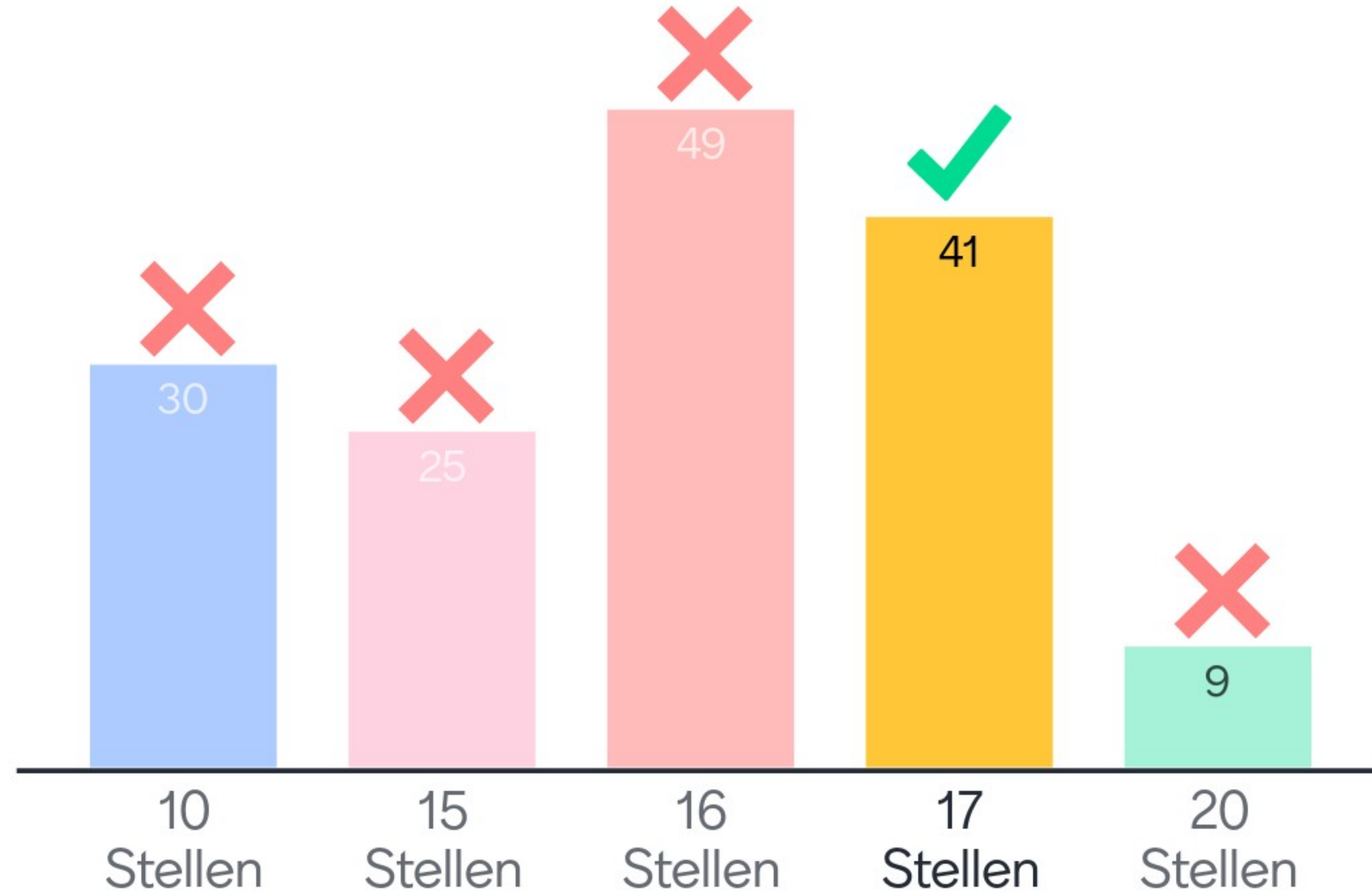


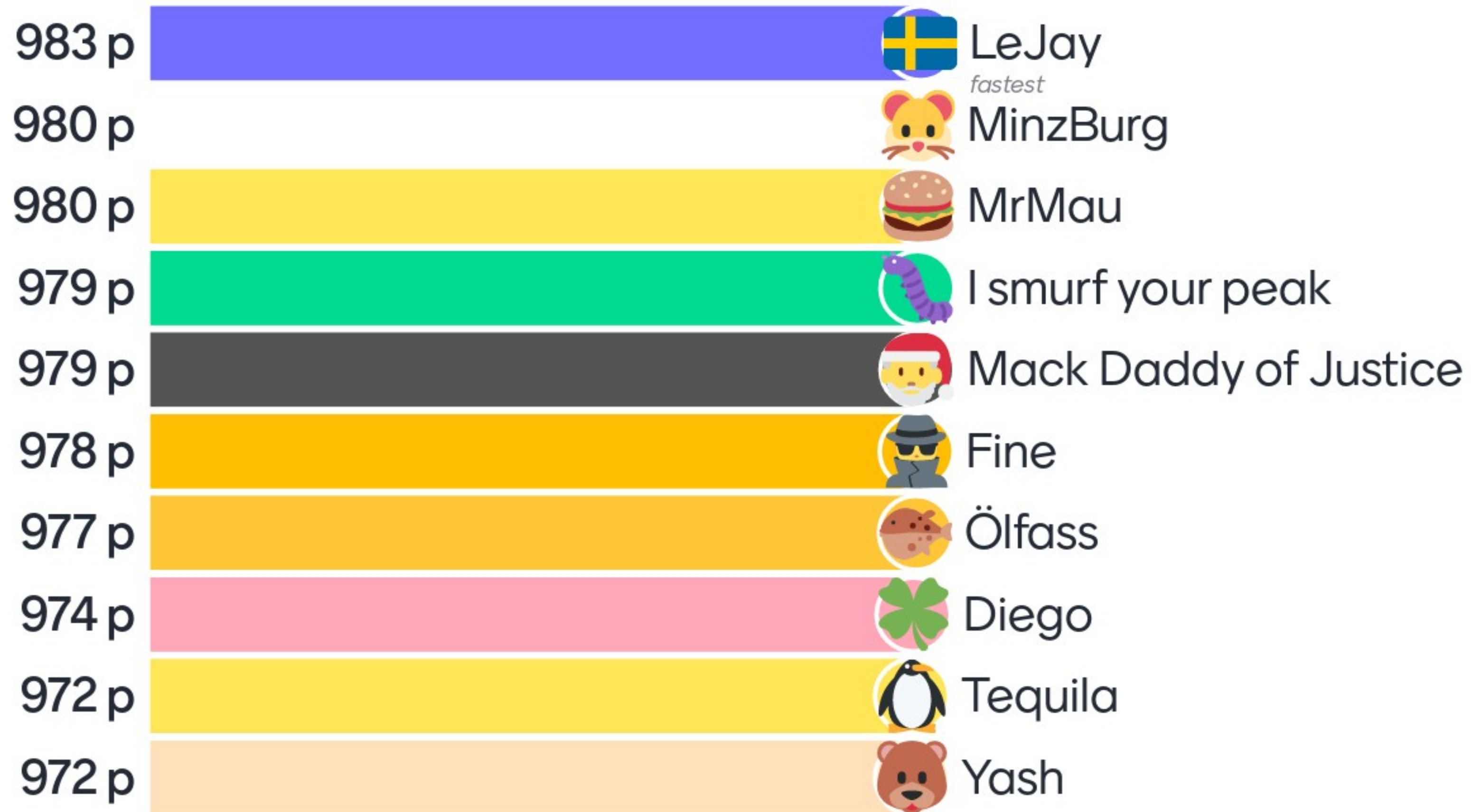
# Wachstum von Funktionen



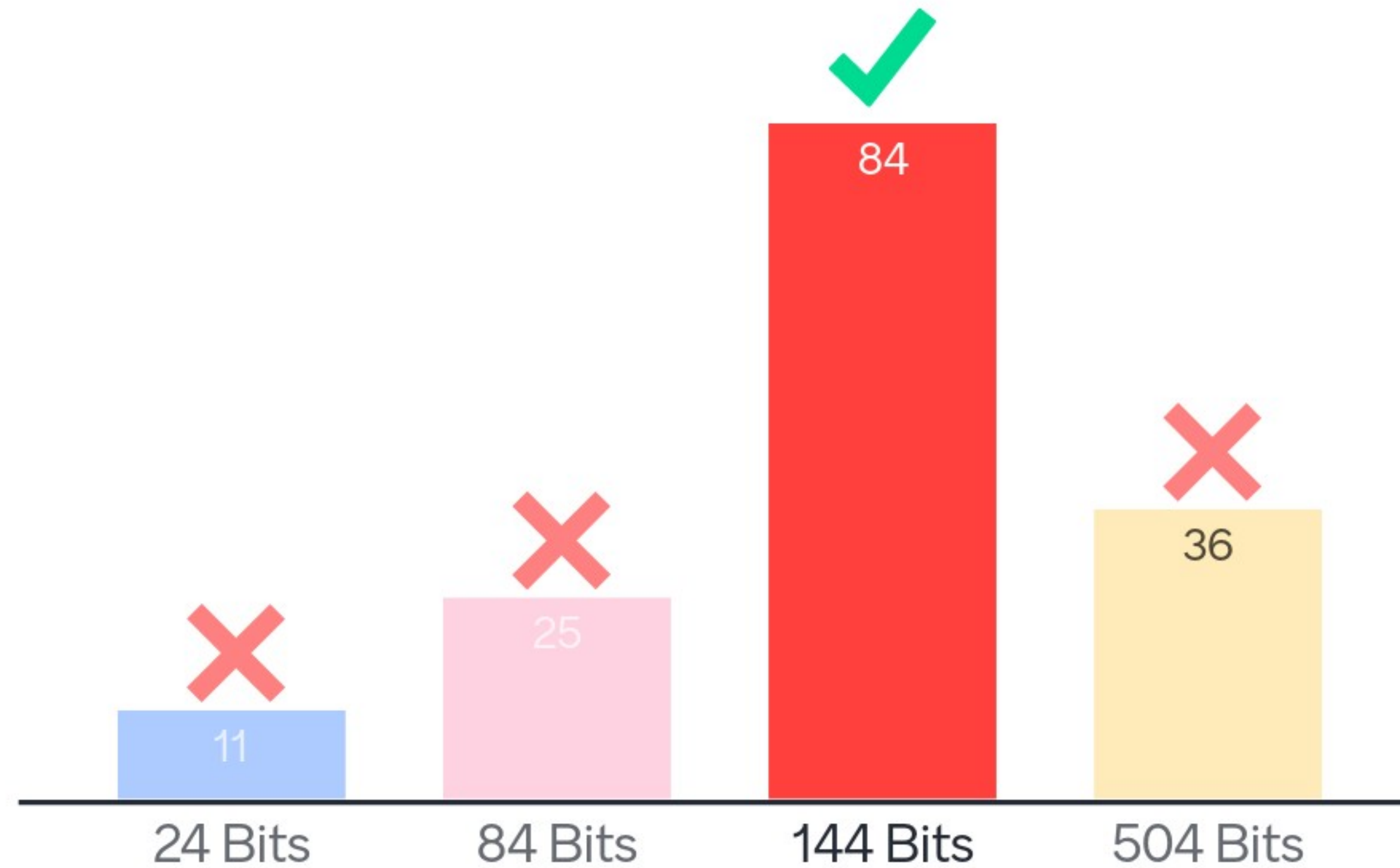
# 1 Binär codiert benötigt die Zahl 65536...



# Leaderboard

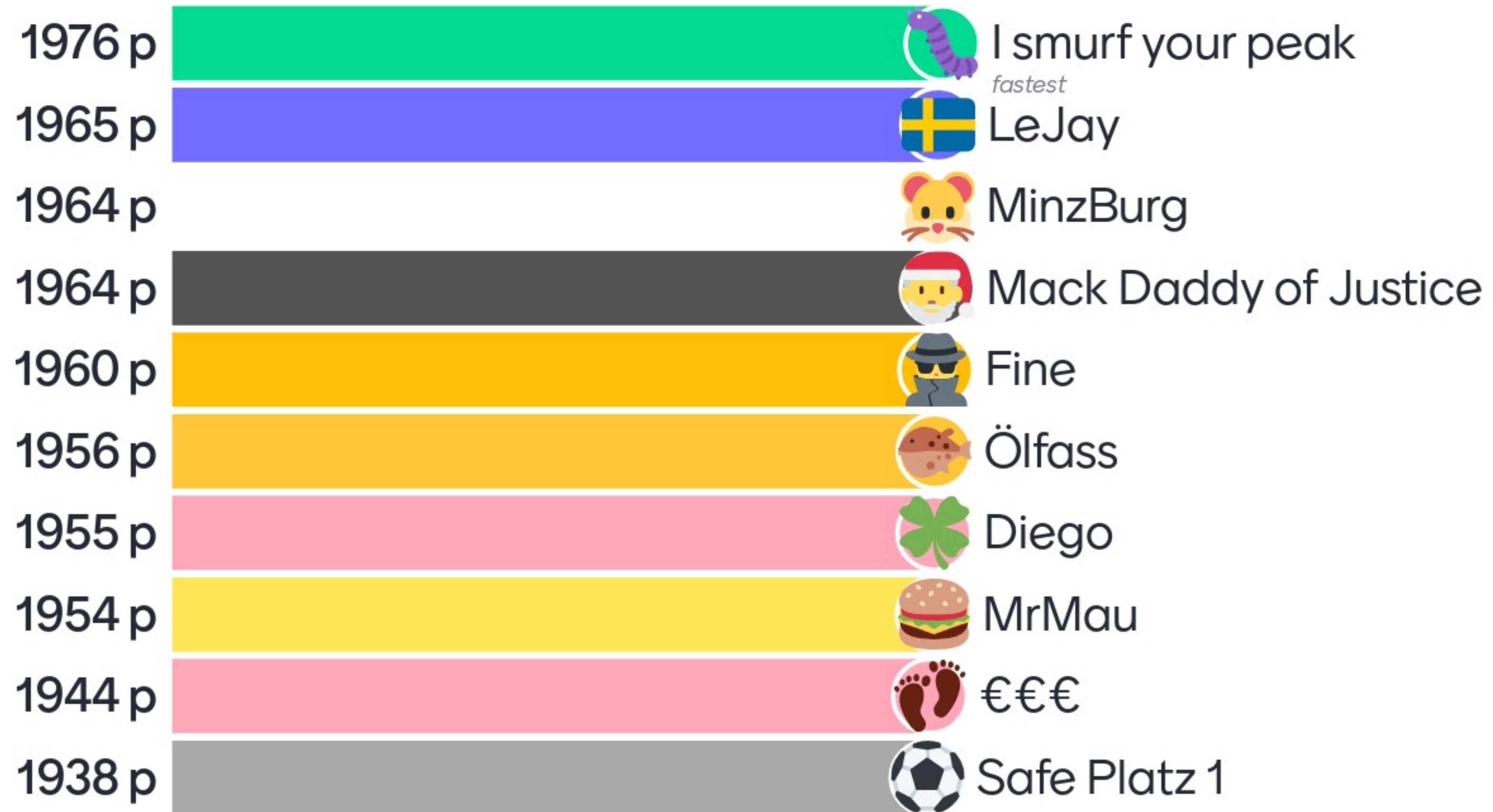


2 Für einen Graphen mit 12 Knoten und 42 Kanten benötigt die Adjazenzmatrix...

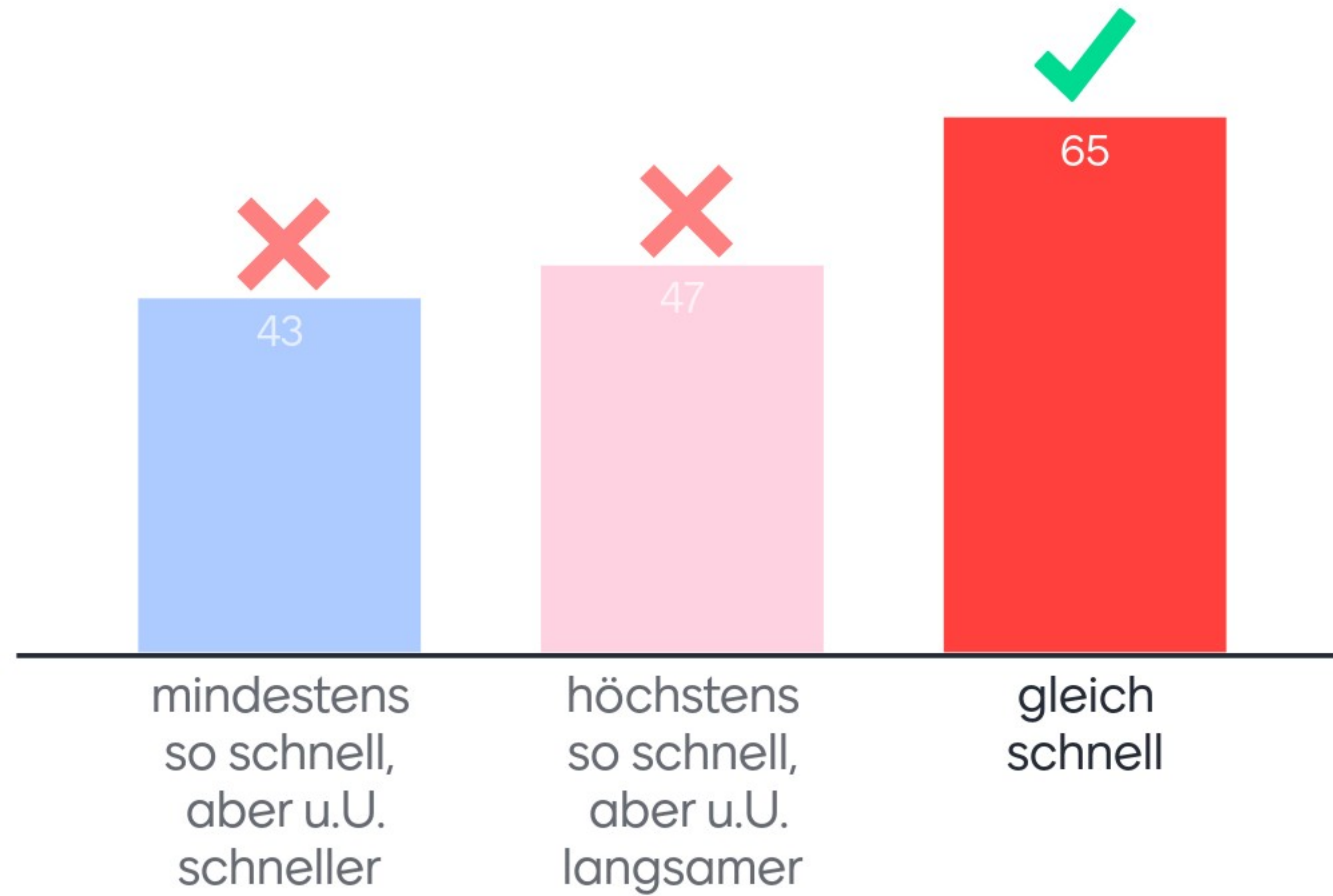




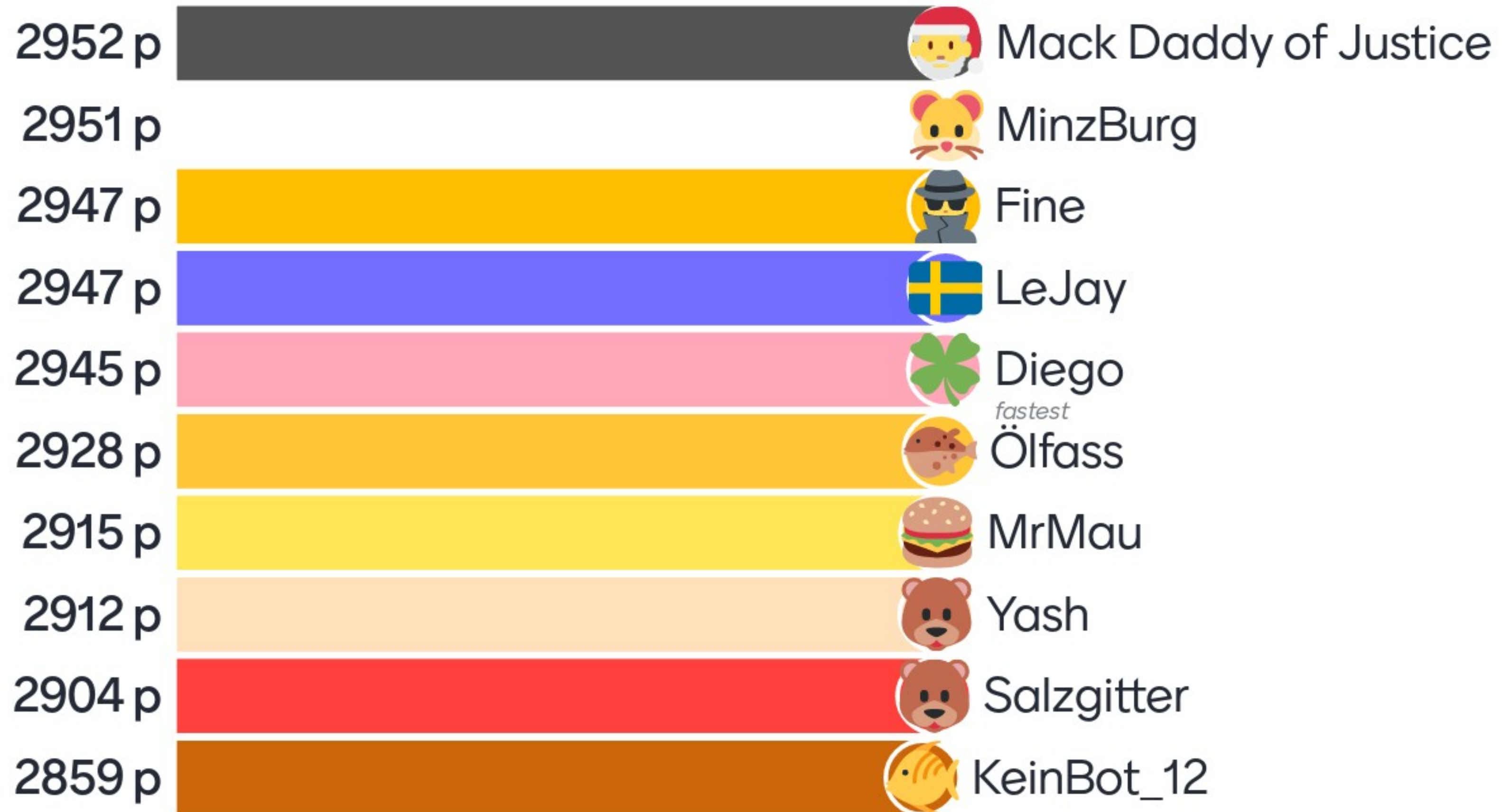
# Leaderboard



# Frage 3

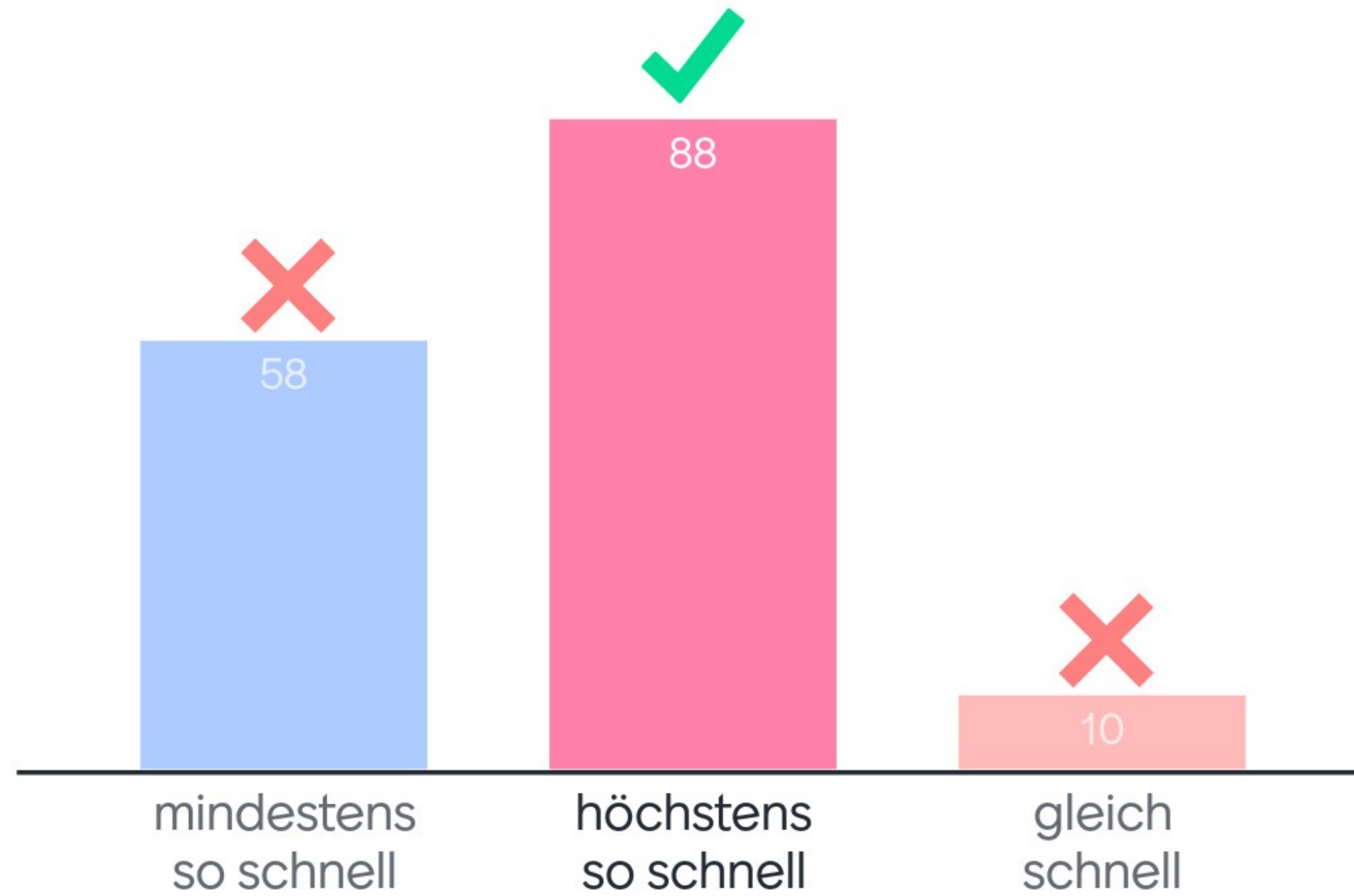


# Leaderboard



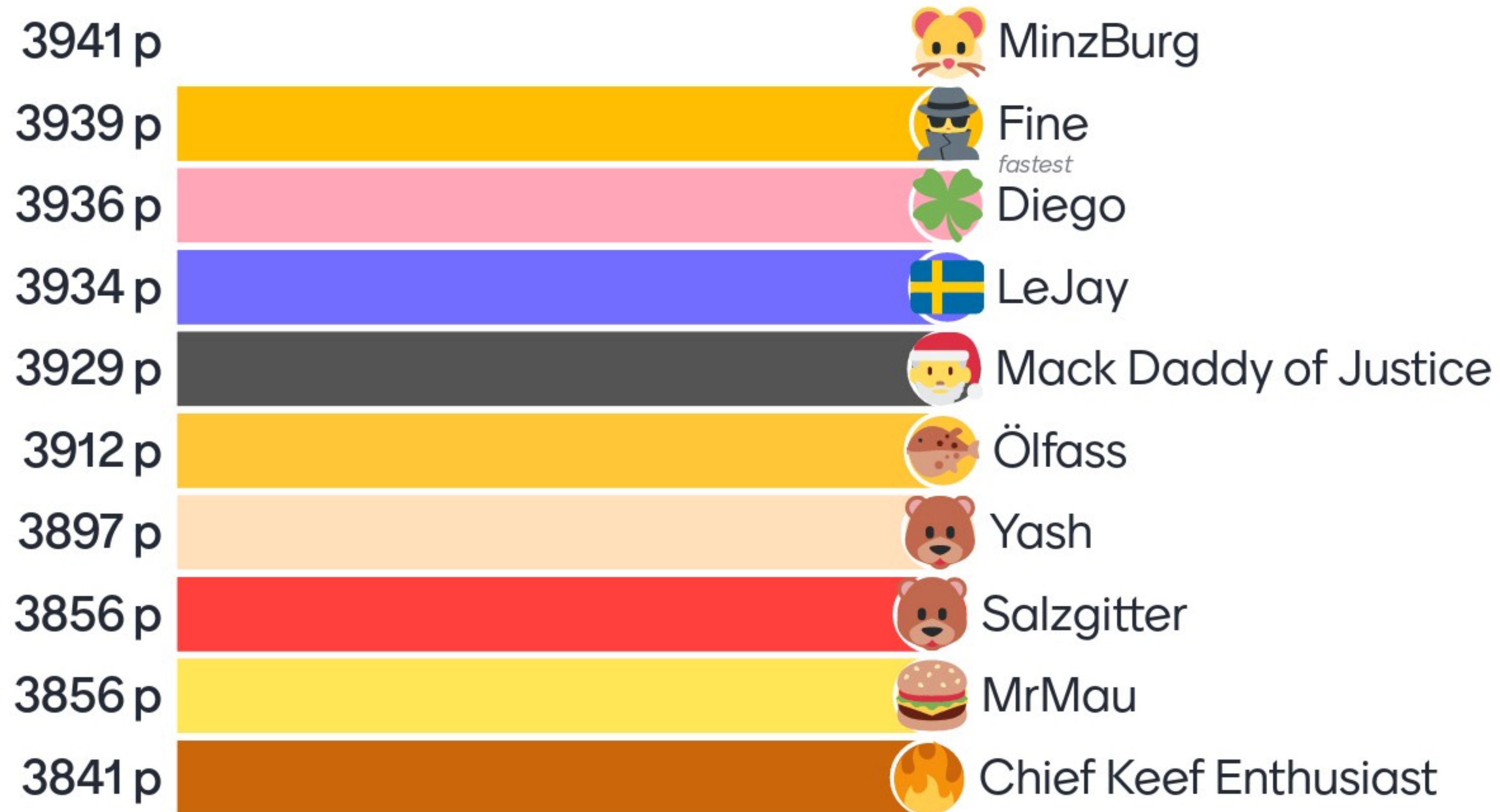


# Frage 4

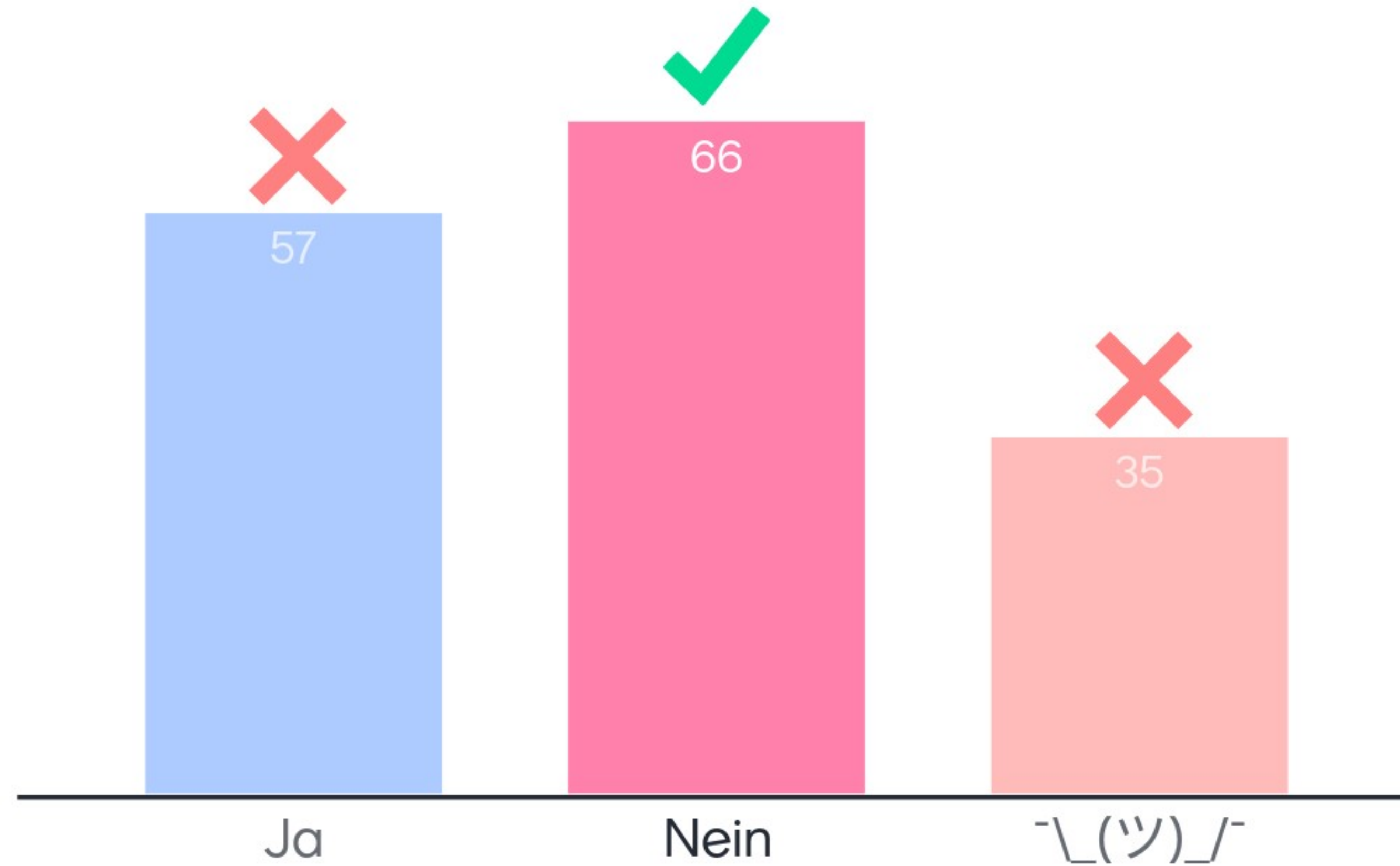




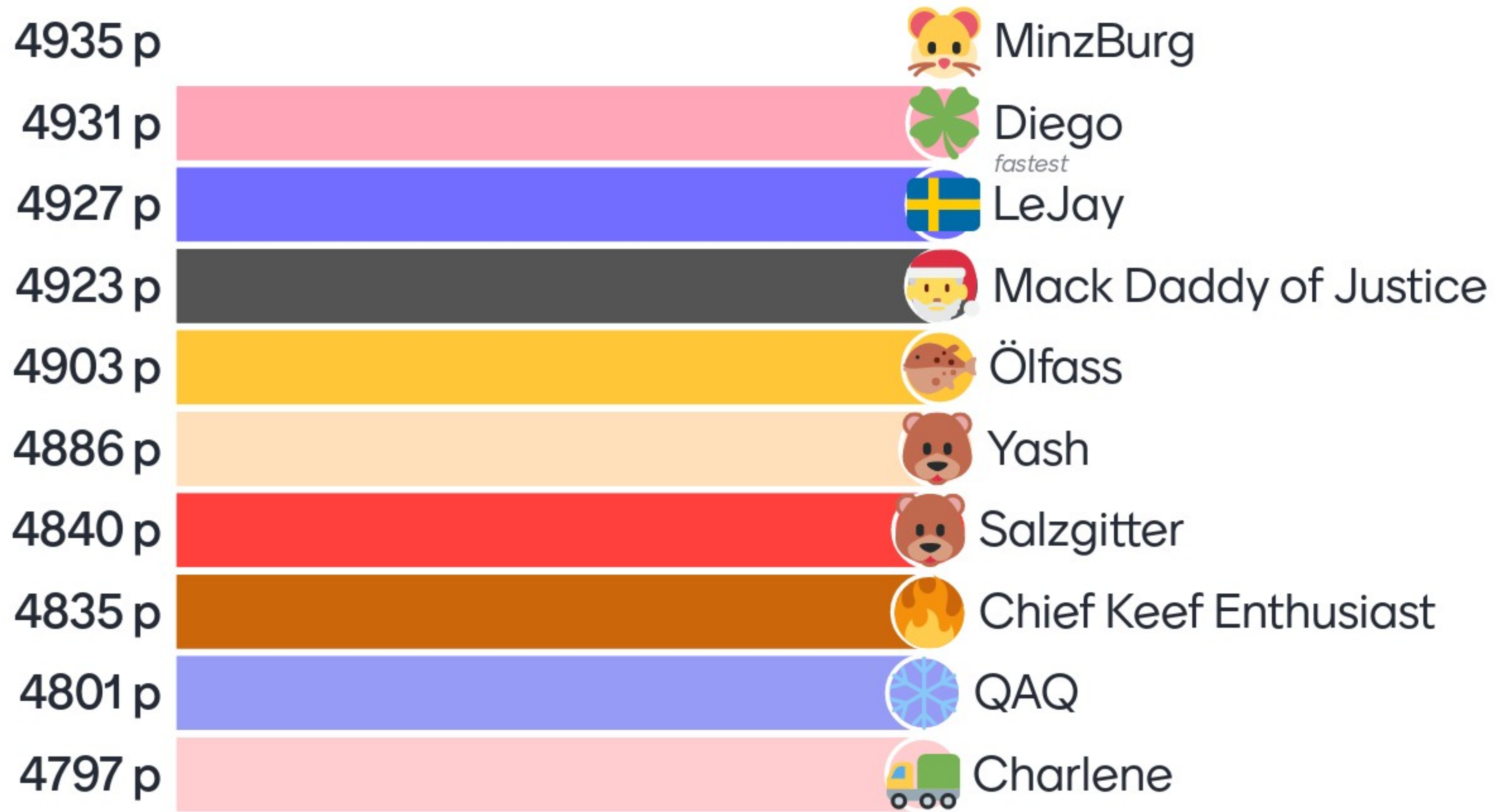
# Leaderboard



# 5 Ist die folgende Aussage wahr?

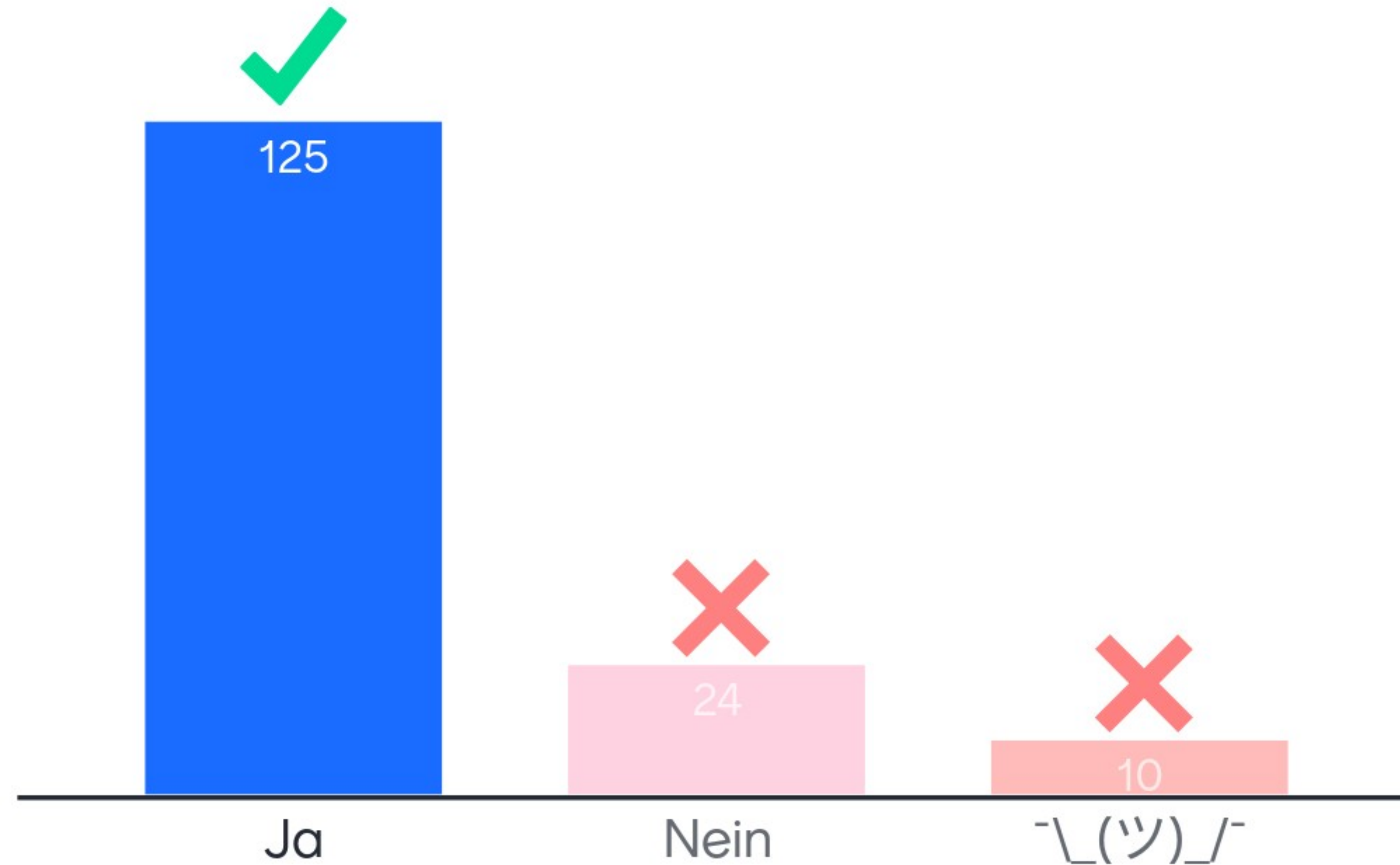


# Leaderboard



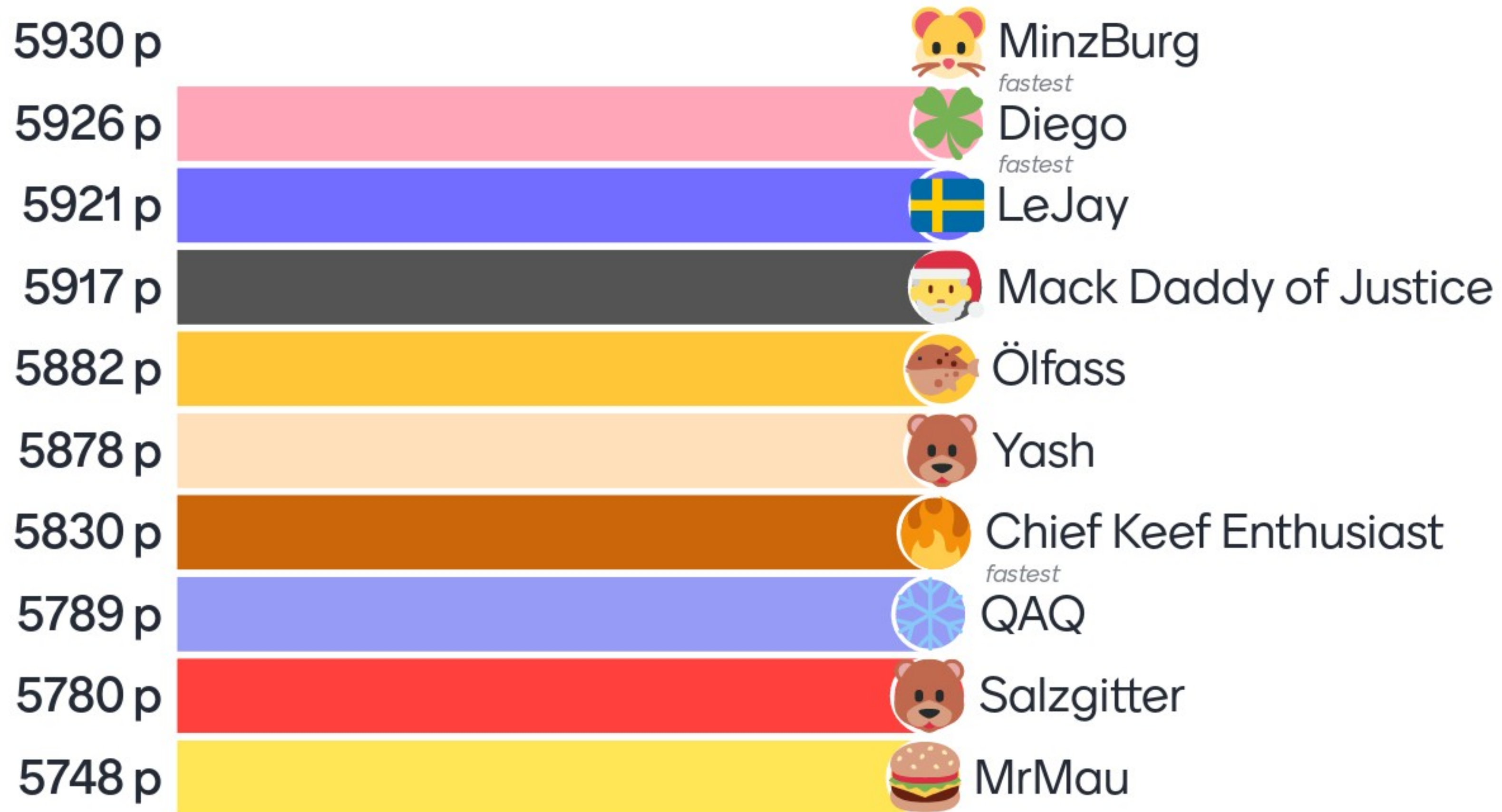


# 6 Ist die folgende Aussage wahr?

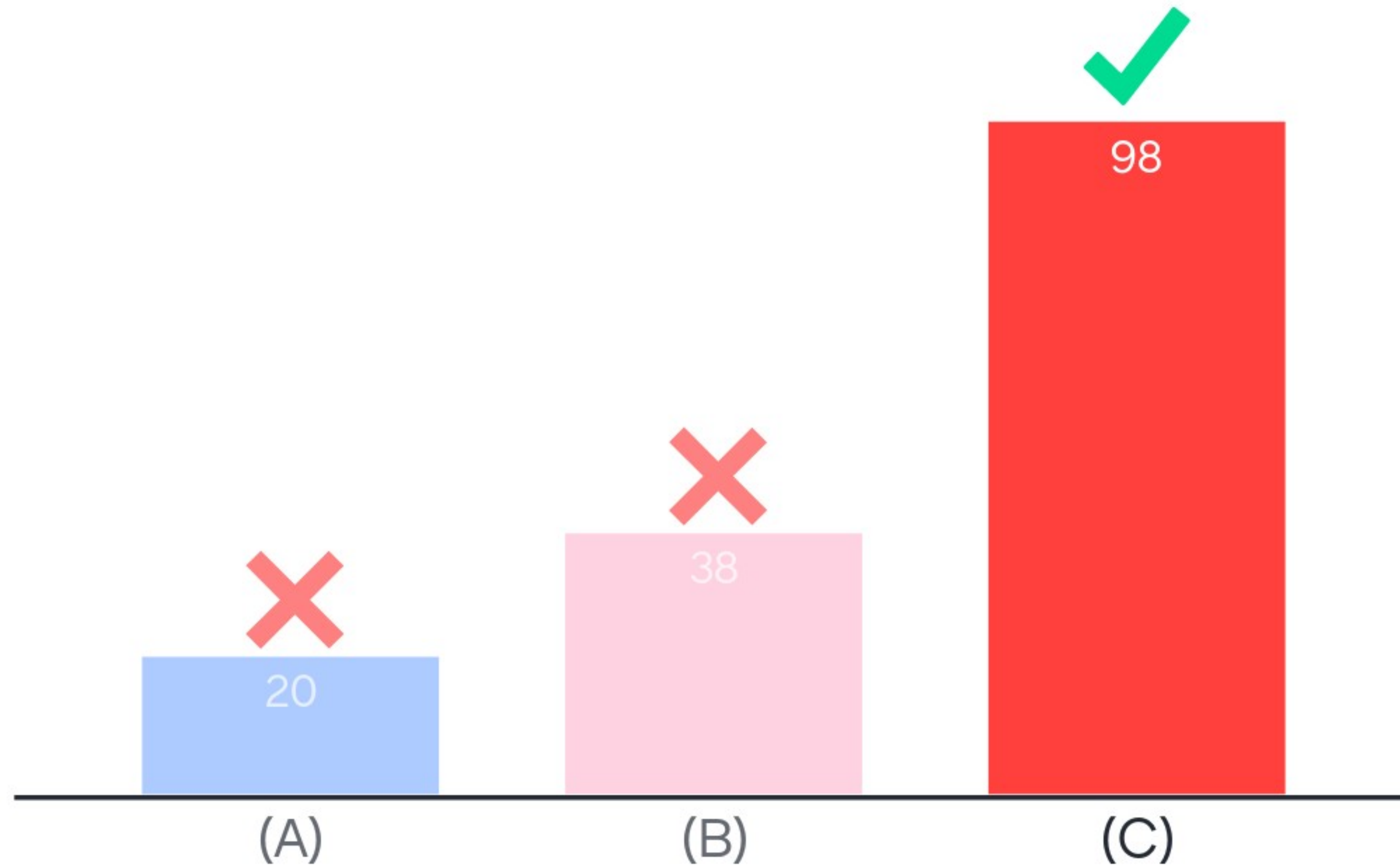




# Leaderboard



# Frage 7



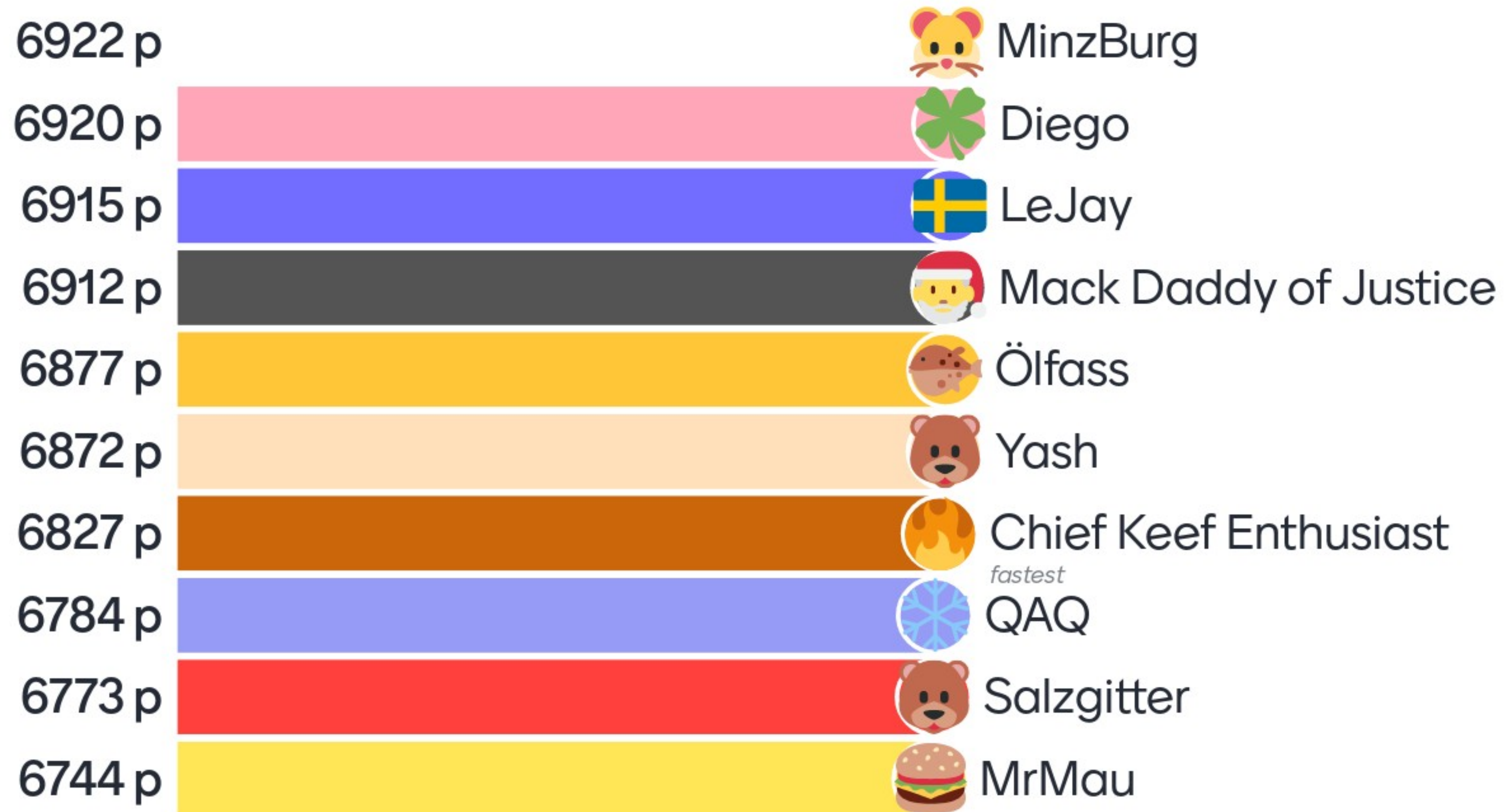
Die Funktion  $f(n) := 5n^6 + 4n^4 + 7n^3 + 27n - 9$  liegt in...

- (A) nur in  $O(n^6)$
- (B) nur in  $\Omega(n^6)$
- (C) in  $\Theta(n^6)$



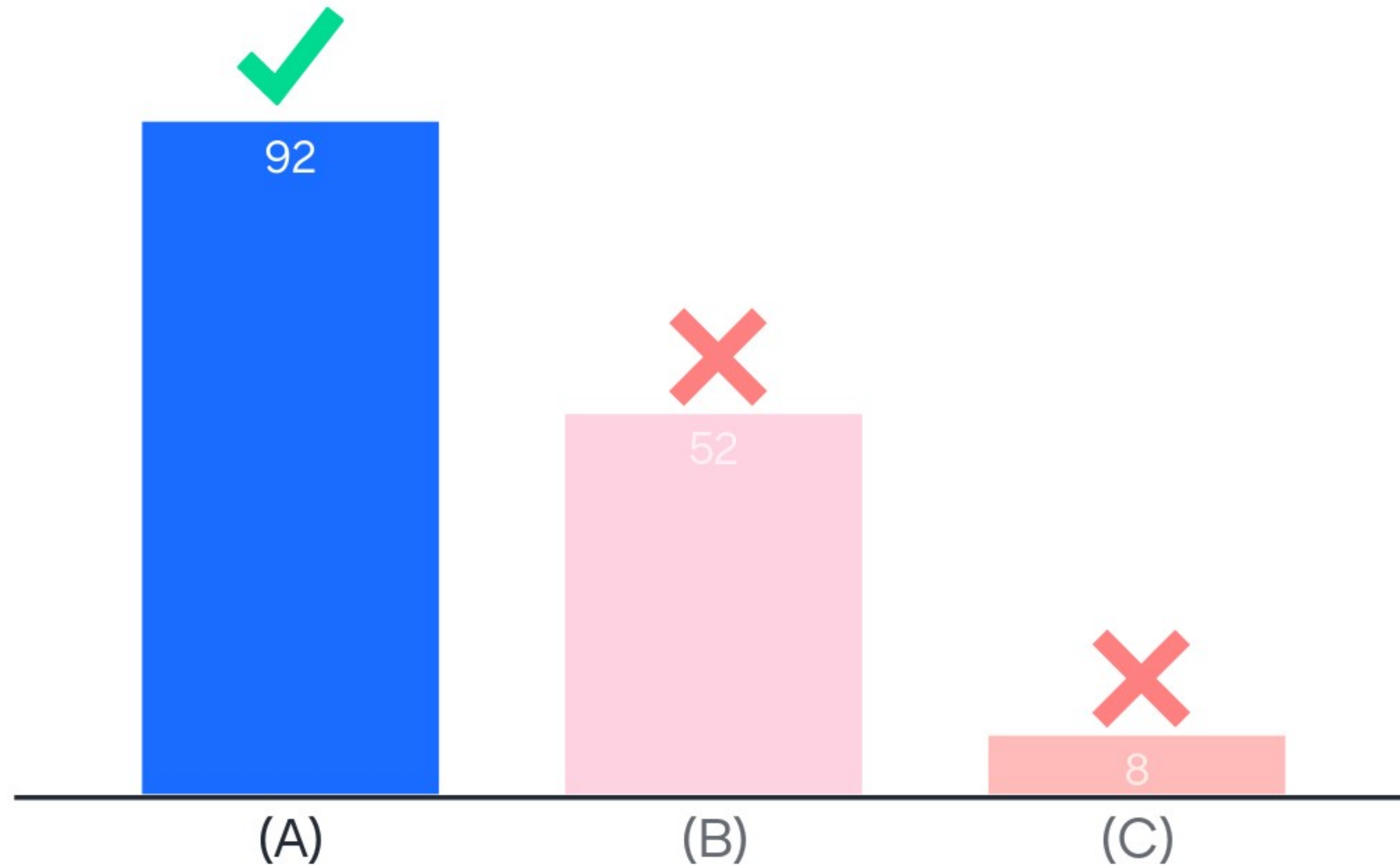


# Leaderboard





# Frage 8



Die Funktion  $f(n) := 2^n$   
liegt...

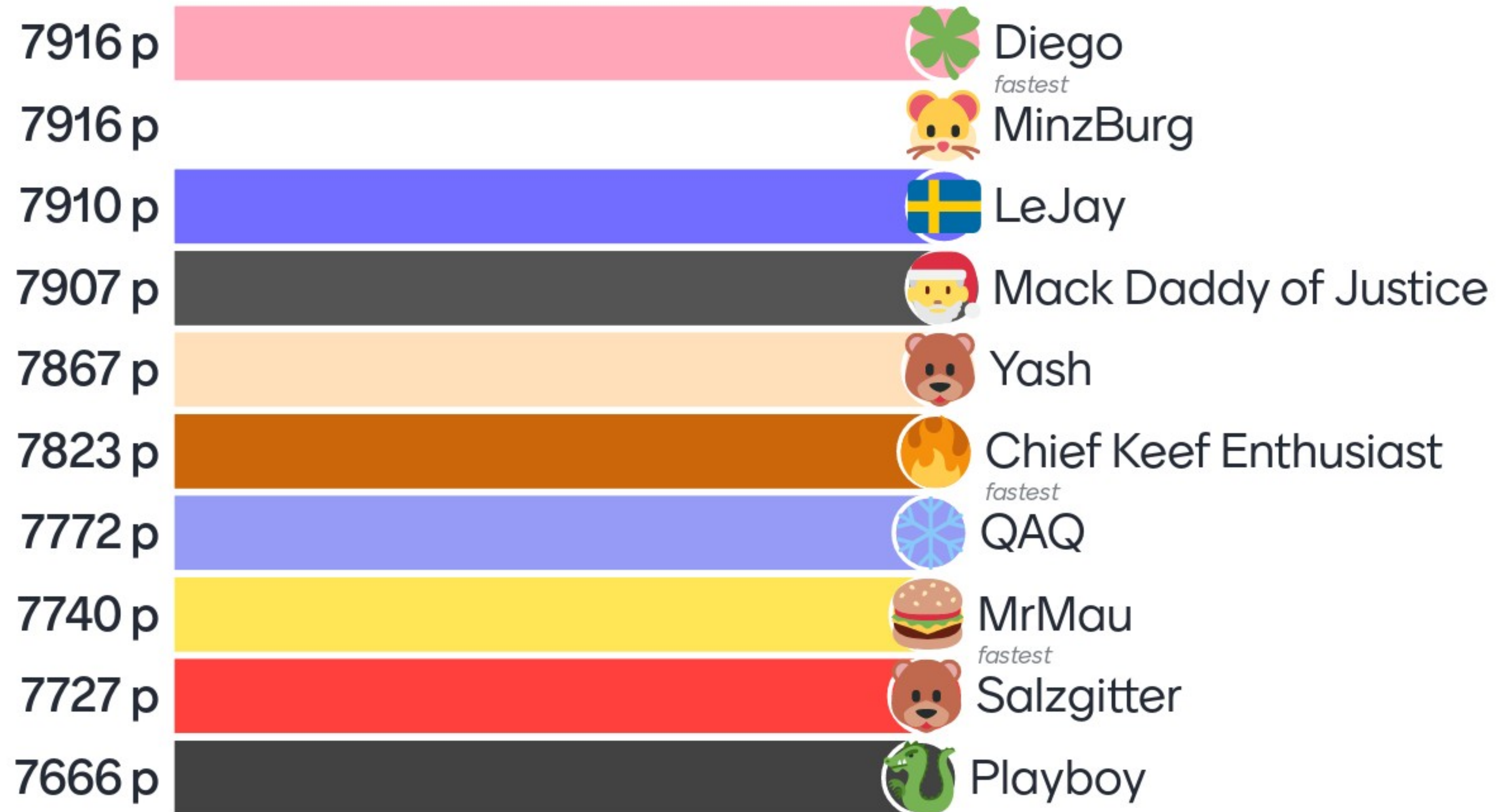
(A) nur in  $O(3^n)$

(B) nur in  $\Omega(3^n)$

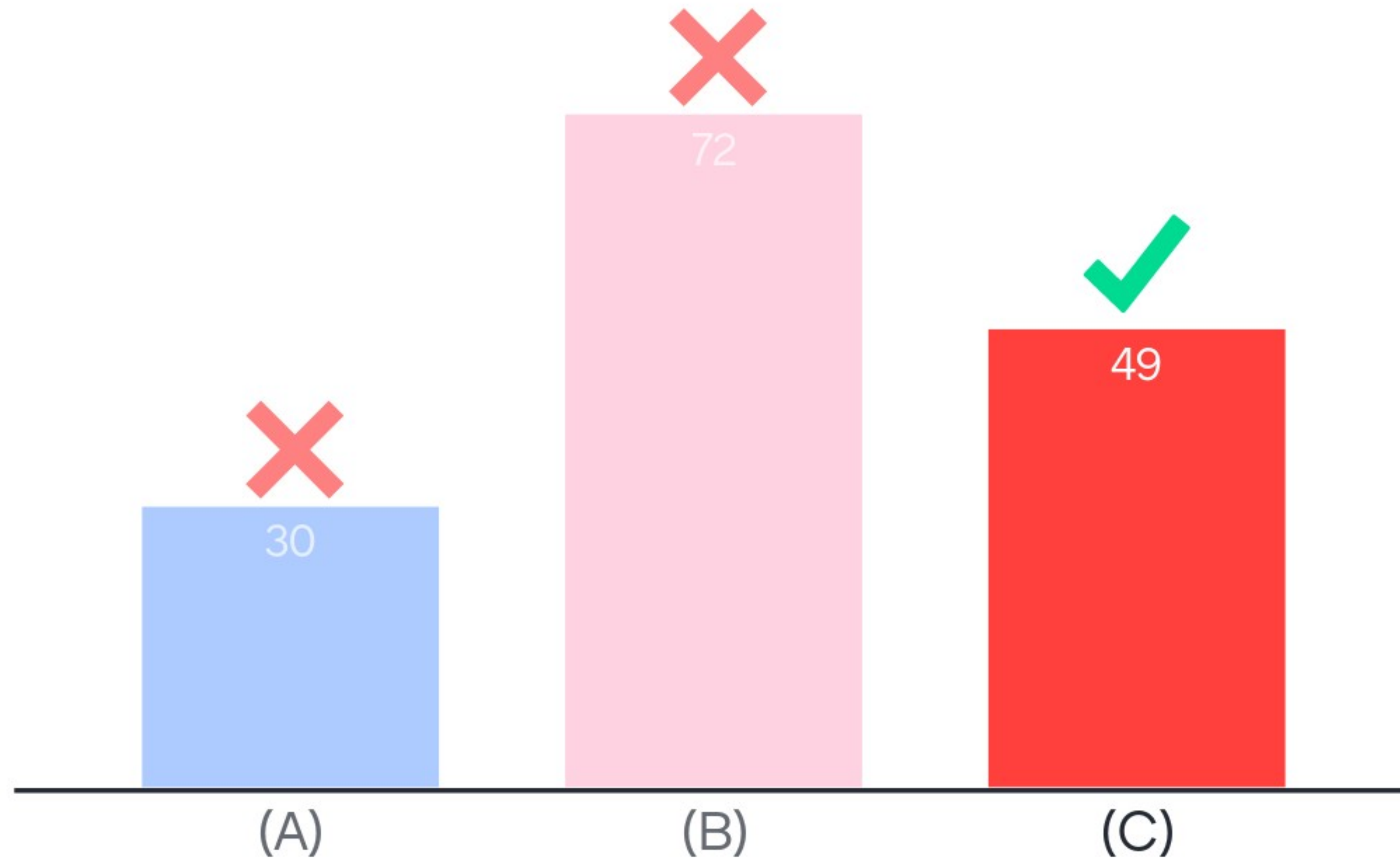
(C) in  $\Theta(3^n)$



# Leaderboard



# Frage 9





Die Funktion  $f(n) := \log_2(2^n)$   
liegt in...

(A) nur in  $O(\log_2(3^n))$

(B) nur in  $\Omega(\log_2(3^n))$

(C) in  $\Theta(\log_2(3^n))$

# Leaderboard

