1857 Largest color valve in a directed graph

Initial thinking

stell: detect for cycles

do topological sort

if len (topo-sort) = len (colors)

no cycle

Use Cycle return -1

Step2 Thinking this as a dp problem

dp[node][clr] = largest color value of

Path starting from

Node, and having

Why = 'clr'

964 Porne - 96 (mogé colos): tor nei in dedby[vogs]. if colors(vei) > color: ans=max(ans, 1 + solve-de(nei, color)) an = max (ans, solve-de (neiz color)) zeron ans step3: Find nodes with 0 indegree My') (0-10-0-3)

 basically nodes with 0 indegree can be considered as shart of paths (langest)

Mts= [] # nodes with 0 indegree

415KL4 = 0

for x [n range (len(nes)):

tox (12 is all-copas;

result: max (result, sobe-do(rus(e), chi)

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