R-625

Sunday, 21 February 2021 17:13

$x > y \quad 1$

x	y
2	5
2	2

$\left\lceil \frac{y+1}{x} \right\rceil$

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b_i

1 4

$c_1 \rightarrow c_2 \rightarrow$

$c_2 > c_1$

$2 \rightarrow 5$

$5 - 2 = b_5 - b_2$

DP $\quad b \rightarrow 4 \cdot 10^5$

$c_j - c_i = b_j - b_i$

$c_j - b_j = c_i - b_i$

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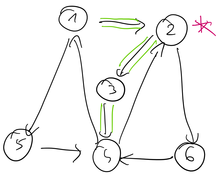
b a c a b c a b

b c d a

b d c a

greedy, alphabetically!



$\rightarrow$ t

min: we always try to pick path along the route

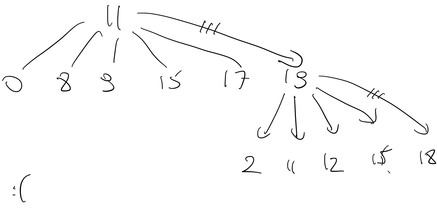
max: $\nearrow$ NOT along

* places where there are alternative equally long routes

reverse graph

Dijkstra for all paths from target

11 → 18



6? :(

18

13

11

1-10 · 12-17 0?

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n	m
weapons	armors

attack	a_i	b_j defence
worth	ca_i	cb_j worth

p monsters

defence	x_k
attack	y_k
coins	z_k

win iff $a_i \geq x_k$ & $b_j > y_k$

max. profit

profit = coins won − armor cost