Edu77

Monday, 19 October 2020 20:00

k sections costs k^2

sum: sets total

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0 r 2r r*6

0 6 26 .... r*r

3

4

3 6 8 12

4 8 12

0 .. gcd(r,6)

6 >> 30

10

2·3

2·5

6 12 18 24

0 10 20 30

10

20 >> 30

0 3 6 8

0 1 2 3 4 10 20

0 30

2 4 6 8 10 r=2

0 4 5 10 6=5

+ + - + + -

2 4 6 8

0 10

r vs 6-1

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2 4 6 8 10 12 r=2

0 7 14 6=7

r=2

6=3 0

2 4 6 8 10 12 14 16

9 18

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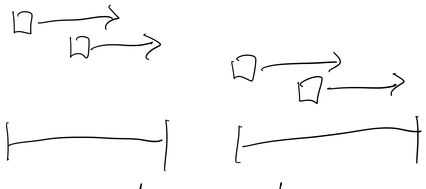
0 1 2 4+1

trap danger l_i at l_i

disarmed at r_i

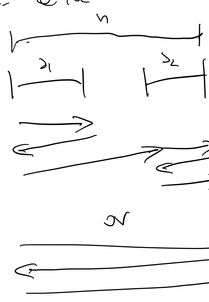
bin search?

For A: max ability that we can take all soldiers with at least that ability



compute segment cover

... and then? DP?



$|u| + 2(|z_1| + |z_2|)$

11 always better!!

or

$3|u|$ yes

$\sum z_i \le u$ so $|u| + 2\sum z_i \le 3|u|$