Cpts 515. 11/4/2020

Moblem I

Dump instruction.

£77, 72},

4.5 5.4

cuchayed

1,552524

Want: a greegenph G

2,0 WM r ruis The entre R each (2) # (x) (x) # (2) // The water levels on The Q, WR The Wicter

Weed proud: (by excele) 川メンタン・・・・ denote this Armla Ma CXIVI No (XIP, XK, +) XXX. Y XK, P pe pump just on 4 X1. 5 D V

olethe There is a challe for "int to faced sit. Atint to use LP. ful node, the water levels set. Bad. I a condition Bad (2) ... it at 2).

Simple cool let's assume On a griph There are only facted many Demp " shithers.) to mal that pump risheris fo chops //obs have denote The # walk (C)

Mp (x1,-, xk) (1)), Nume p= 1872, 703, 225. (X1, X2, ..., XKB, (2) & subscripted in W , where b= PET, Tes, 1, 2

In to spec the wet levels for all tanks after (1) purp michi £572, 753, 2.2,5. 3) Pumper l'astronis 157,727, 1, 2" is to spec. The water/ends for all tanks after D. 2.2 1 x2 = x5 1 (D. 5) $2) 1 \times 4 = \times_2 \times (2), \times$ $x_{1} = 0$ 1 $x_{3} = 0$ 1 $x_{4} = 0$ 1 $x_{6} = 0$... 1 $x_{7} = 0$ ×3=01 ... 1 × =0

Both of about are from water/evels =0

Suppose hai counts 1 PST2, T53, 2.2, an you white 87, Teb, 1, 2 (Q) = cutornela In in terms of These 55, 53, a, 2, 5 / 8753,12, two cour

(1, 1, 7) of linew custouts over real vanishes In rach fixed &, Wa is a Boolean contenti Qt. IN R Int. to And sit. GIVEN: (4 My (x1, ..., x1) > Bad (x1-- x1) is sat. ? That and purp mat's on edge-(wThod loop)

rand. We do have loops on The G. nater levels; The the set of all & For each Q, We have a finder init to fined. Can't check one by one $M_{N}(x_{1},...,x_{k})$

Such a vector is demoted by #(a) I for moterne, it we only have 5 pump isoholing a, then the vector is of 5-arty). A on The G

me obtani a se

herren. rectors V= There is a Integer liver content system (w) 5, +. Hu. 5 典 井文)。 只人了 (V) (V) holds also the Boden combrehis a liver censtats over Myers

ith sunffices.)

that is charaterized by For all a ea ch V = ~ # (文) , we have Na (x1, ~) > 7k) we have 2 N on reals & nitgras ? Central system