dale (1) Fie date douca numere naturale x ni y, 931/a. Sa se arête ca 14/(1000 + 21y2+21y)
Petouau Ottano, Potruau Minus 931=7.133 repreta 7 dimil pe x deci 7 dinde pre 10.x => 14/10x 214+214 = 21 4/4+1) = 3.74(4+1) :7 numere consecution or divide and (the par) Ty=2k, km. maternal (deci e pan)
attenni yly+1)=2k.(2k+1);2 1 y=2kH, k m. natural (deci e impar) atuni y (y+1) = (2k+1) (2k+1+1)= = (2ht) (2ht2) = (2k+) 2(k+1) :2 deci ylyti) ete par / >> ylyti):14 Pered (10x+214/4+11):14

dava

2) Se unsidero dono mumere maturale A, B

A = ab, B = xyz au proprietatible

2+4+6+... + B = xyzoo, A se termina

au ab. Sa se colculte A+B

Potreau Odane, Potreau Mines

Peplone 2+4+6+...+xyz = xyz = 00 xyz = 2.k, le matural, $k \neq 0$ 2+4+6+...+2.k = 2(1+2+...+ke) = 2.k(k+1):2= k(k+1)

TA=25 => A+B=25+398=423 TA=25 => A+B=26+398=429

Se unidera A = 2021 + 2, (1+2+3+ ... + 2020) B=1+3+5+... +4041 Sax colculye (A-B) 2020 Potricar Odana. Potrecen Hinces Replione: A = 2021 +2. 2020.2021:2 = 2021+2020.2021= = 2021 (2020+1) = 2021² B - 1+3+5+ ... + 4041 B = 404/+4039+..+1 2B = 4042 + 4042 + ... + 4042 $B = 4042 \cdot (4042 + 1) : 2 + 1 = 2021$ $B = 4042 \cdot 2021$ $B = 2021^2 \implies A - B = 2021 - 2021 = 0 = 0 + -3) = 0 = 0$

400