Kyp. 5 Foren. 3 Pam. 2 Bek. Y Eypn.

Dere marc. ny mo obsecerciere! (8 Sanos)

 $R = \{(x,y): x,y \in \mathbb{Z}, x \in y \leq x^2\}$

Senophoe ornomence: ornomence up uH-Be years ruces: R < Z2}

- 1) Pegrekenbuocis YXEZ: XRX, XEXEX, Tax kak Horince repubenció à populare ett. Heethorse, To bouronwerce pabenciso du y ger. X. => R- peopre recebuse.
- 2) Current whom to xy ER : xky => y Rx 23, X & y < x2 => y < x < y2, sino orebuduo demonvalet en me Boerda, nouprimes bojemess X=2, y=3 => 2 < 3 < 4 fepro, odnoko 3 < 2 < 9 me bepres. => R - ne cumulo purnoe
 - Accumanumoeste +xy & Z : xhy > y lx, x=y x < y < x? u y < x < y2 Thedrone xum, vo osa repasencise sepus, a X + y, Toida x > y men x < y, upobepner

rebel repabencho mexer Souro bepronn, no uporboe rebepro nukorda >

notogues and ent.

mpason repaserité
maxi Sours Sepus,
Ho retre mikorda
me bonnommen =)

netojuco xuo nerrode

Denomerrae ronoxo upy X=y =>

R- anti cument purmo cto.

Con tadmeny wer neboguo xuo otnectu nu k kakeny kugczy.

#2. R= {(x,y):x,yER, 2x2-3x+1>y2}

17

1) Peprekentrocto.

Ih. weret rophe = na orpezke

$$\frac{3+\sqrt{5}}{2}$$
 $\frac{3+\sqrt{5}}{2}$ $\left(\frac{3-\sqrt{5}}{2}, \frac{3+\sqrt{5}}{2}\right)$

your ne bourne eter, # mpx=2 ne sourons

2) Cumsiepunio cos.

$$\int 2x^{2} - 3x + 1 \Rightarrow y^{2}$$

$$2y^{2} - 3y + 1 \Rightarrow x^{2}$$

40 370, a 174) ne sepuro.

3) Autrecement Therwood.

$$\frac{2x^2 - 3x + 1 + 2 + y^2}{u + x^2} = \frac{3y + 1 + x^2}{u + x^2} = \frac{y}{y}$$

Tyon x=0, to.

Morde ryn y=1 ola nep. bepun, a

3) Tipangurubuoch

 $2x^2-3x+1 > y^2$ u $2y^2-3y+1>=2^2 => 2x^2-3x+1>=2^2$

Tyero y =0 =>

 $2x^{2}-3y+170$ u 17.7^{2} ; $2x^{2}-3x+17.7^{2}$

Hannung 2=0,5 ydobn. nepalencity 2

=> 3 2x2-3x4> 0,25

3+13 3+13 ×

> my X € (\$\$ i3\$) napylualitue >)

dre upureeps bojemeen x = 1 =>

upu y=0, 2=0,5 u x=4 napywaetal=)

R- ne ripanzionale

It he immedresser her odnowny knaccy

#3. $R = \{(x,y) : x,y \in \mathbb{N}, X : y\}$ Kporno

(10)

1) Peprekenbuoco ...

Noomp. mosse noogp. rueno demique como

R- perprescuonoe

2) Ceem.

X: y=) y: x noureern npunep le euwerpuren, dans stors npubedem symmen X=2, y=4

R-ne accepturace

3) Aury eun. ..

k:y=>y:k, l=y ocebudus, eto 300 bepus, overbudus, eto 300

Een X : y , no X = KI . Y , vde Kr E W , u

Cenn y: x , TO y = k2 x , voe k2 EN

=> y= K1. K2. y, a 700 bapus (Koraa

 $K_1 = 1$, $K_2 = 1$, to y = 4 => $x = y \cdot 1$, $y = 1 \cdot x$

=> X-Y =>

R- autreceeu.

4) Mpanzivrubuoco. ...

(20)

X: y, y:2 => X:2 => reduction,

Eury X:y, $TO X = K_1 \cdot Y$, $TO X = K_2 \cdot Y$, TO X = TO X, TO X = TO X,

R-Tranzierebnoe

5) Peps. + Aurenem + Tromzens
Therman, nopredox wer upoero nopredox $(A, \leq) \equiv N$

Downie :

 $R = \{ (x,y): x,y \in \mathbb{R}, (x-y)^2 \leq x+y \}$ $R = \{ (x,y): x,y \in \mathbb{R}, \frac{1x-y_1}{y^2} > 1 \}$ $\{ (x,y): x,y \in \mathbb{R}, \frac{1x-y_1}{y^2} > 1 \}$