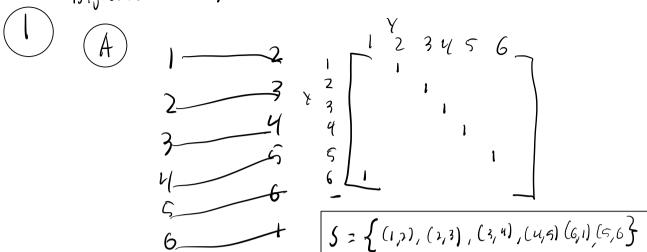
Bijective = hoth, surjective = onto, injective = one to one



$$\frac{\beta}{5^{2}} \left\{ (1,1), (2,1), (3,1), (4,1), (5,1), (6,1) \right\}$$

2) (a) Bijection 5: 
$$Z \rightarrow Z$$
 not  $f(x) \ge x$   

$$\begin{cases} x \ge some \ Z \\ y = x + 1 \end{cases}$$

$$s = \begin{cases} -\infty, (x, y), \infty + \end{cases}$$

my thinking is that since there core
infinit whole numbers there will always be a lorger
and smaller number to compore to each other. If
One number is selected for x then you how your
Y. Only problem is that in order for it to
be your to one all of the set must be
represented. Since it is infinite it can not
be dijective.

NO my best try is whore,

B

x = randomly chosen x

Eventually will have a repeat, or so is probable to happen. Bither way it can not be represented infinitly so one static function would immediatly be not one to one

exast that are not in that states function, status meaning defined cardinality not infinity, a set number.

( ) x = some 2 Y2 &+ 1

52 { (x, y), (&H), y), (x, y), (x, y), ......}

I it given hounds then I believe it might work. I am abit can fused on relating an infinite quantity to something that needs definite cardinality. If this is possible I believe you just need to follow pattern above and it would qualify as surjective. There wasn't much mayerial on these infinite quantities so I could easily be mistaken, or I missed it.

(D) NO, connot contain inforte quantity

so there will always be a value not

contained

(3) (A) log(120)

B log(n!)

$$()$$
 in  $+(-7.04) = -7$ 

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I did multiple examples to show that no matter the configuration it two survective functions are formed in composition they will result in surjectore.