of Infill subset. 3. Let A & N, and let & beadences thee nops A->N. lot thock as Xo Sul they tack, (Xo EX) by WOP. lef +(x0)=0. Let A- Exo3 be A without Xo. log frere be an x, such that the (A- Exo3), (x, =x) hy Wop lof f(x,) = 1 This process its a bijection because this process to infinitely regentable, therefore because there is a byothe tendren, Lother Aand N, A vs countably suffer and all totale subside of Ware counterly deflater Ya. It his surjective, there were that all demonts (have at bad are value of A associated with them forto me man o borre o de la serie. However, because his surgeocur, 40 Da ha)=C. Shorterman for h, we get the 2 on g (f(a)) = C Let b de some devent such that flits, so Ycab glb)zc. This reads - as forall c, Are is arthur we eterent to in the down associated with it. Therefore, as tus is the definition of surjective, hospitalective => 9 = 3 rijective. b. Let the aturelum such that there exires an element x such And (My fCy)=x) 1 (x & B) 1 (18/>1). The, +is not surjective because Ib bEBA f(y) & b. Then, taking the same x from before, let there trist on elevent of such that (= {23 and because C= 528, his susceeding but firm't, thoutare his assertive to so imply fragective. git surjective

