







· Assume cnt x (con st) = = (cnt xs)+(cnt xt) is true cnt x s) -> a => a+b==a+b (cnt x t) -> b cnt x (con st) -> a+b We add another element (letter) to the list s. Now the list s E Some Letters Before + New Letters. - If the added letter is a random letter other than x, it is still: cnt x (con s t) == (cnt x s) + (cnt x t) a+b = = a + b - If the added letter is x, then: cn+x(cons+)==(cn+xs)+(cn+x+)a+1+b = = (a+1)+b This is true

