FSD Assessment 1	
(10) Derote on Ace in the hard by A, and a King i	n the hard by K. Then w
have: ((K=>A) ∧ ¬(¬K ⇒ A)) v (¬(K⇒) A) ∧ (¬K=>	A))
= (l7KvA) N7 (KvA)) V (7 (7KvA) N (KvA))	By "=>" equivalence
= ((7K VA) A (7KA7A)) V ((KA7A) A (KVA))	By De Morgan's Law
= ((7K17A)) v ((K17A))	By I dertity
=7A x (Kv7K)	By Distributivity
₹¬A	By Identity By Distributivity By Identity
	.
So statement 4 must gollar	
16) [na, ii: = nn+ss(ii), ii+1] (nn = [xx . (xx E [ii-1] ss(22))
= (nn +85(ii) = [xx . [xx f [ii]] 55(xx)]	
= (nn:= [xx. (xx & [ii-1] ss(xx)))	

A ster the substitution the state hasn't changed. This arises for any condition in the invariant.