l33_csspace (TMdod-KXmjD1RAcFFo6NXSpy8DzPGKp7pwNG)

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Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1\_struct\_0 : \iota \Rightarrow \iota$ be given. Let $k3\_clvect\_1 : \iota \Rightarrow \iota$ be given. Let $v2\_struct\_0 : \iota \Rightarrow o$ be given. Let $v13\_algstr\_0 : \iota \Rightarrow o$ be given. Let $v2\_rlvect\_1 : \iota \Rightarrow o$ be given. Let $v3\_rlvect\_1 : \iota \Rightarrow o$ be given. Let $v4\_rlvect\_1 : \iota \Rightarrow o$ be given. Let $v2\_clvect\_1 : \iota \Rightarrow o$ be given. Let $v3\_clvect\_1 : \iota \Rightarrow o$ be given. Let $v4\_clvect\_1 : \iota \Rightarrow o$ be given. Let $v5\_clvect\_1 : \iota \Rightarrow o$ be given. Let $l1\_clvect\_1 : \iota \Rightarrow o$ be given. Let $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6\_numbers : \iota$ be given. Let $k3\_complex1 : \iota \Rightarrow \iota$ be given. Let $k3\_funct\_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2\_numbers : \iota$ be given. Let $c2\_\_csspace : \iota$ be given. Let $k1\_domain\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4\_complex1 : \iota \Rightarrow \iota$ be given. Let $v1\_xcmplx\_0 : \iota \Rightarrow o$ be given. Let $k17\_complex1 : \iota \Rightarrow \iota$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $k5\_complex1 : \iota$ be given. Assume the following.

$$(k3\_complex1\ k6\_numbers = k6\_numbers) \wedge (k4\_complex1\ k6\_numbers = k6\_numbers) \tag{1}$$

Assume the following.

$$\forall X0.(v1\_xcmplx\_0\ X0) \Rightarrow (r1\_xxreal\_0\ k6\_numbers\ (k17\_complex1\ X0)) \tag{2}$$

Assume the following.

$$k17\_complex1\ k6\_numbers = k6\_numbers \tag{3}$$

Assume the following.

$$k6\_numbers = k1\_xboole\_0 \tag{4}$$

Assume the following.

$$k5\_complex1 = k1\_xboole\_0 \tag{5}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ (u1\_struct\_0\ (k3\_clvect\_1\ (the\ (\lambda X1 : \iota.(\neg v2\_struct\_0\ X1)\wedge((v13\_algstr\_0\ X1)\wedge((v2\_rlvect\_1\ X1)\wedge((v3\_rlvect\_1\ X1)\wedge((v4\_rlvect\_1\ X1)\wedge((v2\_clvect\_1\ X1)\wedge((v3\_clvect\_1\ X1)\wedge((v4\_clvect\_1\ X1)\wedge((v5\_clvect\_1\ X1)\wedge(l1\_clvect\_1\ X1))))))))))))\Rightarrow(\forall X1.(m1\_subset\_1\ X1\ (u1\_struct\_0\ (k3\_clvect\_1\ (the\ (\lambda X2 : \iota.(\neg v2\_struct\_0\ X2)\wedge((v13\_algstr\_0\ X2)\wedge((v2\_rlvect\_1\ X2)\wedge((v3\_rlvect\_1\ X2)\wedge((v4\_rlvect\_1\ X2)\wedge((v2\_clvect\_1\ X2)\wedge((v3\_clvect\_1\ X2)\wedge((v4\_clvect\_1\ X2)\wedge((v5\_clvect\_1\ X2)\wedge(l1\_clvect\_1\ X2))))))))))))\Rightarrow(k3\_funct\_2\ (k2\_zfmisc\_1\ (u1\_struct\_0\ (k3\_clvect\_1\ (the\ (\lambda X2 : \iota.(\neg v2\_struct\_0\ X2)\wedge((v13\_algstr\_0\ X2)\wedge((v2\_rlvect\_1\ X2)\wedge((v3\_rlvect\_1\ X2)\wedge((v4\_rlvect\_1\ X2)\wedge((v2\_clvect\_1\ X2)\wedge((v3\_clvect\_1\ X2)\wedge((v4\_clvect\_1\ X2)\wedge((v5\_clvect\_1\ X2)\wedge(l1\_clvect\_1\ X2))))))))))))(u1\_struct\_0\ (k3\_clvect\_1\ (the\ (\lambda X2 : \iota.(\neg v2\_struct\_0\ X2)\wedge((v13\_algstr\_0\ X2)\wedge((v2\_rlvect\_1\ X2)\wedge((v3\_rlvect\_1\ X2)\wedge((v4\_rlvect\_1\ X2)\wedge((v2\_clvect\_1\ X2)\wedge((v3\_clvect\_1\ X2)\wedge((v4\_clvect\_1\ X2)\wedge((v5\_clvect\_1\ X2)\wedge(l1\_clvect\_1\ X2))))))))))))\ k2\_numbers\ c2\_\_csspace\ (k1\_domain\_1\ (u1\_struct\_0\ (k3\_clvect\_1\ (the\ (\lambda X2 : \iota.(\neg v2\_struct\_0\ X2)\wedge((v13\_algstr\_0\ X2)\wedge((v2\_rlvect\_1\ X2)\wedge((v3\_rlvect\_1\ X2)\wedge((v4\_rlvect\_1\ X2)\wedge((v2\_clvect\_1\ X2)\wedge((v3\_clvect\_1\ X2)\wedge((v4\_clvect\_1\ X2)\wedge((v5\_clvect\_1\ X2)\wedge(l1\_clvect\_1\ X2))))))))))))(u1\_struct\_0\ (k3\_clvect\_1\ (the\ (\lambda X2 : \iota.(\neg v2\_struct\_0\ X2)\wedge((v13\_algstr\_0\ X2)\wedge((v2\_rlvect\_1\ X2)\wedge((v3\_rlvect\_1\ X2)\wedge((v4\_rlvect\_1\ X2)\wedge((v2\_clvect\_1\ X2)\wedge((v3\_clvect\_1\ X2)\wedge((v4\_clvect\_1\ X2)\wedge((v5\_clvect\_1\ X2)\wedge(l1\_clvect\_1\ X2))))))))))))\ X0\ X1) = k5\_complex1)) \tag{6}$$

Assume the following.

$$m1\_subset\_1\ k6\_numbers\ k2\_numbers \tag{7}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k2\_numbers)\Rightarrow(v1\_xcmplx\_0\ X0) \tag{8}$$

Theorem 1

$$\forall X0.(m1\_subset\_1\ X0\ (u1\_struct\_0\ (k3\_clvect\_1\ (the\ (\lambda X1 : \iota.(\neg v2\_struct\_0\ X1)\wedge((v13\_algstr\_0\ X1)\wedge((v2\_rlvect\_1\ X1)\wedge((v3\_rlvect\_1\ X1)\wedge((v4\_rlvect\_1\ X1)\wedge((v2\_clvect\_1\ X1)\wedge((v3\_clvect\_1\ X1)\wedge((v4\_clvect\_1\ X1)\wedge((v5\_clvect\_1\ X1)\wedge(l1\_clvect\_1\ X1))))))))))))\Rightarrow((r1\_xxreal\_0\ k6\_numbers\ (k3\_complex1\ (k3\_funct\_2\ (k2\_zfmisc\_1\ (u1\_struct\_0\ (k3\_clvect\_1\ (the\ (\lambda X1 : \iota.(\neg v2\_struct\_0\ X1)\wedge((v13\_algstr\_0\ X1)\wedge((v2\_rlvect\_1\ X1)\wedge((v3\_rlvect\_1\ X1)\wedge((v4\_rlvect\_1\ X1)\wedge((v2\_clvect\_1\ X1)\wedge((v3\_clvect\_1\ X1)\wedge((v4\_clvect\_1\ X1)\wedge((v5\_clvect\_1\ X1)\wedge(l1\_clvect\_1\ X1))))))))))))\ (u1\_struct\_0\ (k3\_clvect\_1\ (the\ (\lambda X1 : \iota.(\neg v2\_struct\_0\ X1)\wedge((v13\_algstr\_0\ X1)\wedge((v2\_rlvect\_1\ X1)\wedge((v3\_rlvect\_1\ X1)\wedge((v4\_rlvect\_1\ X1)\wedge((v2\_clvect\_1\ X1)\wedge((v3\_clvect\_1\ X1)\wedge((v4\_clvect\_1\ X1)\wedge((v5\_clvect\_1\ X1)\wedge(l1\_clvect\_1\ X1))))))))))))\ k2\_numbers\ c2\_\_csspace\ (k1\_domain\_1\ (u1\_struct\_0\ (k3\_clvect\_1\ (the\ (\lambda X1 : \iota.(\neg v2\_struct\_0\ X1)\wedge((v13\_algstr\_0\ X1)\wedge((v2\_rlvect\_1\ X1)\wedge((v3\_rlvect\_1\ X1)\wedge((v4\_rlvect\_1\ X1)\wedge((v2\_clvect\_1\ X1)\wedge((v3\_clvect\_1\ X1)\wedge((v4\_clvect\_1\ X1)\wedge((v5\_clvect\_1\ X1)\wedge(l1\_clvect\_1\ X1))))))))))))\ (u1\_struct\_0\ (k3\_clvect\_1\ (the\ (\lambda X1 : \iota.(\neg v2\_struct\_0\ X1)\wedge((v13\_algstr\_0\ X1)\wedge((v2\_rlvect\_1\ X1)\wedge((v3\_rlvect\_1\ X1)\wedge((v4\_rlvect\_1\ X1)\wedge((v2\_clvect\_1\ X1)\wedge((v3\_clvect\_1\ X1)\wedge((v4\_clvect\_1\ X1)\wedge((v5\_clvect\_1\ X1)\wedge(l1\_clvect\_1\ X1))))))))))))\ X0\ X0))))\wedge(k4\_complex1\ (k3\_funct\_2\ (k2\_zfmisc\_1\ (u1\_struct\_0\ (k3\_clvect\_1\ (the\ (\lambda X1 : \iota.(\neg v2\_struct\_0\ X1)\wedge((v13\_algstr\_0\ X1)\wedge((v2\_rlvect\_1\ X1)\wedge((v3\_rlvect\_1\ X1)\wedge((v4\_rlvect\_1\ X1)\wedge((v2\_clvect\_1\ X1)\wedge((v3\_clvect\_1\ X1)\wedge((v4\_clvect\_1\ X1)\wedge((v5\_clvect\_1\ X1)\wedge(l1\_clvect\_1\ X1))))))))))))\ (u1\_struct\_0\ (k3\_clvect\_1\ (the\ (\lambda X1 : \iota.(\neg v2\_struct\_0\ X1)\wedge((v13\_algstr\_0\ X1)\wedge((v2\_rlvect\_1\ X1)\wedge((v3\_rlvect\_1\ X1)\wedge((v4\_rlvect\_1\ X1)\wedge((v2\_clvect\_1\ X1)\wedge((v3\_clvect\_1\ X1)\wedge((v4\_clvect\_1\ X1)\wedge((v5\_clvect\_1\ X1)\wedge(l1\_clvect\_1\ X1))))))))))))\ k2\_numbers\ c2\_\_csspace\ (k1\_domain\_1\ (u1\_struct\_0\ (k3\_clvect\_1\ (the\ (\lambda X1 : \iota.(\neg v2\_struct\_0\ X1)\wedge((v13\_algstr\_0\ X1)\wedge((v2\_rlvect\_1\ X1)\wedge((v3\_rlvect\_1\ X1)\wedge((v4\_rlvect\_1\ X1)\wedge((v2\_clvect\_1\ X1)\wedge((v3\_clvect\_1\ X1)\wedge((v4\_clvect\_1\ X1)\wedge((v5\_clvect\_1\ X1)\wedge(l1\_clvect\_1\ X1))))))))))))\ (u1\_struct\_0\ (k3\_clvect\_1\ (the\ (\lambda X1 : \iota.(\neg v2\_struct\_0\ X1)\wedge((v13\_algstr\_0\ X1)\wedge((v2\_rlvect\_1\ X1)\wedge((v3\_rlvect\_1\ X1)\wedge((v4\_rlvect\_1\ X1)\wedge((v2\_clvect\_1\ X1)\wedge((v3\_clvect\_1\ X1)\wedge((v4\_clvect\_1\ X1)\wedge((v5\_clvect\_1\ X1)\wedge(l1\_clvect\_1\ X1))))))))))))\ X0\ X0)) = k6\_numbers))$$