

16/5/05

635 Interlock - Daley

L	AφS	X	X is the lock call
	TZE	IN	- 1 is unlocked state
	SφS	X	(there is no SφS instruction)
	SZN	X	wait for it to go away
	TPL	*-1	..
	TRA	L	try again

IN	—		
	—		
	—		
	—		
	SφS	X	unlock lock.
	↓		

10/5/65

635 Interlock Saltzer

	LDA	= 1	Get lock value
Loop	ASA	LOCK	Increment + set test.
	TZE	IN	If zero, we're in.
	SSA	LOCK	failed, subtract our contribution in,
	SZN	LOCK	and wait for lock to go away
	TPL	* - 1	..
	TRA	Loop	Now try again.
	...		

IN

—
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—
—
LDA = 1
SSA LOCK
—
—

LOCK

-1 means unlocked.