procA1Str

dacStr

used3

dlStr

SP (current)

PopulateArray1's stack frame:			]					1 -		1	
byte-offset		(1 <sup>st</sup> byte of)	byte-offset	(1 <sup>st</sup> byt		:			(1 <sup>st</sup> byte of)	byte-offset	(1 <sup>st</sup> byte of)
from SP(current)		associated variable	from SP(current)	associa varia		)			associated variable	from SP(current)	associated variable
39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 8 7 6 5 4 3 2 2 1 0	'\0' 'f' 'o' 'x' 'a' 'M' '\0' '#' 'r' 'e' 't' 'n' 'E' (\$a3) (\$a2)	moStr  einStr  ← SP (current)	82 81 80 79 78 77 76 75 74 73 72 71 70 69 68 67 66 65 64 63 62 61	'\0' ')' 's' 'e' 'y' ''' 's' 'r' 'e' 'h' 't' 'o' 'n' 'n' 'r' 'o' 'n' 'r' 'o' 'n' 't' 'o' 'm' 't' 'e' 't' 'n'	111 110 109 108 107 106 105 104 103 102 101 100 99 98 97 96 95 94 93 92 91 90 89 88 87 86	\$ra \$fp '\0' '.' 'd' e. 't' 'n' 'e' 't' 'n'	← SP (old)  toDW filler				

PopulateArray1223's stack frame:			]					]					
byte-offset from SP(current)		(1 <sup>st</sup> byte of) associated variable	byte-offset from SP(current)		(1 <sup>st</sup> byte of) associated variable	byte-offset from SP(current)				(1 <sup>st</sup> byte of) associated variable	byte-offset from SP(current)		(1 <sup>st</sup> byte of) associated variable
from	\$ra \$fp \$t9 \$t1 \$s0 (\$a3)	associated	from		associated	from				associated	from		associated
6 5 4 3	(\$a1) (\$a0)	← SP (current)		1			<b>^</b>		<b>↑</b>			<u> </u>	

PopulateArray1223AuxE's stack fram	ne:		] [		] [		] [		]	
byte-offse from SP(curren		(1 <sup>st</sup> byte of) associated variable	byte-offset from SP(current)	(1 <sup>st</sup> byte of) associated variable	byte-offset from SP(current)			(1 <sup>st</sup> byte of) associated variable	byte-offset from SP(current)	(1 <sup>st</sup> byte of) associated variable
from SP(current SP(cur		associated variable  SP (old)		associated	from			associated	from	associated
4 3 2 1 0	(\$s	0)								
Ü		SP (current)		1		1	<b> </b>		1	1

ProcArrays' stack frame:			]		7	7 [		]	
byte-offset from SP(current)		(1 <sup>st</sup> byte of) associated variable	byte-offset from SP(current)	(1 <sup>st</sup> byte of) associated variable	byte-offset from SP(current)		(1 <sup>st</sup> byte of) associated variable	byte-offset from SP(current)	(1 <sup>st</sup> byte of) associated variable
from SP(current)  39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 8 7 6 5 4 3 2 1 0	\$ra \$fp arg7 arg6 arg5 (\$a3) (\$a2) (\$a1)	variable  "		associated variable				from SP(current)	associated variable
								,	

CoutCstrNL's stack frame	e:										
	byte-offset from SP(current)		iated	yte-offset from P(current)	(1 <sup>st</sup> byte of) associated variable	byte-offset from SP(current)			(1 <sup>st</sup> byte of) associated variable	byte-offset from SP(current)	(1 <sup>st</sup> byte of) associated variable
CoutCstrNL's stack frame	byte-offset from SP(current)  31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14	asso	iated able Si	yte-offset from P(current)	associated	byte-offset from SP(current)			associated	byte-offset from SP(current)	associated
	13 12 11 10 9 8 7 6 5 4 3 2 1	(\$a2) (\$a1) (\$a0) ← SP(cu	rrent)					1			

ShowArrayLabeled's stack frame:		] [	, d		, st		, st
byte-offset from SP(current)	(1 <sup>st</sup> byte of) associated variable	byte-offset from SP(current)	(1 <sup>st</sup> byte of) associated variable	byte-offset from SP(current)	(1 <sup>st</sup> byte of) associated variable	byte-offset from SP(current)	(1 <sup>st</sup> byte of) associated variable
31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 11 10 9	← SP (old) \$fp ← SP (current)						