byte-offset from SP(current)		(1 st byte of) associated variable	byte-offset from SP(current)		(1 st byte of) associated variable	byte-offset from SP(current)					(1 st byte of) associated variable	byte-offset from SP(current)		(1 st byte of) associated variable
45 44 43 44 43 44 44 44 44 44 44 44 44 44	\0' ':' '1' 'a' 'n' 'i' 'n' 'g' 'e' 'b' \$\$50) rg7 rg6 rg5 \$\$33)	begA1Str (callee-saved)	91 90 89 88 87 86 85 84 83 82 81 80 79 78 77 76 75 74 73 72 71 70 69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 55 54 56 57 56 57 57 57 57 57 57 57 57 57 57 57 57 57	'\0' 'a' 'a' 'a' '' '' '' '' '' '' '' '' ''	commA3Str commA2Str	137 136 135 134 133 132 131 130 129 128 127 126 125 124 123 122 121 120 119 118 117 116 115 114 113 112 111 110 109 108 107 106 105 104 103 102 101 100 99 98 97 96 95 94 93 92	'\0' 's' 'g' 's' 'e' 'h' 't' 'o' 'n' 'r' 'o' 'n' 'r' 'e' 's' 'a' 'c' 'h' 't' 'o' 'n' 'n' 'o' 'n' 'n' 'o' 'n' 'n' 'o' 'n' 'n	dacStr	179 178 177 176 175 174 173 172 171 170 169 168 167 166 165 164 163 162 161 160 159 158 157 156 155 154 153 152 151 150 149 148 147 146 145 144 143 142 141 140 139 138	'\0' '\1' '\1' '\2' '\2' '\2' '\2' '\2' '\2	to-DW filler byeStr	343 342 341 340 339 338 337 336 291 290 289 288 243 242 241 240 195 194 193 192 191 190 189 188 187 186 185 184 183 182 181 180	\$ra \$fp a3[0] a2[0] a1[0] used1 used2 used3	SP (old) a3 a2 a1 used1 used2 used3
I	I			I						I			ı 	I

PopulateArray1's stack frame:]					1 -		1	
byte-offset		(1 st byte of)	byte-offset	(1 st byt		:			(1 st byte of)	byte-offset	(1 st 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 st byte of) associated variable	byte-offset from SP(current)		(1 st byte of) associated variable	byte-offset from SP(current)				(1 st byte of) associated variable	byte-offset from SP(current)		(1 st 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			^		↑			<u> </u>	

PopulateArray1223AuxE's stack fram	ne:] [] [] []	
byte-offse from SP(curren		(1 st byte of) associated variable	byte-offset from SP(current)	(1 st byte of) associated variable	byte-offset from SP(current)			(1 st byte of) associated variable	byte-offset from SP(current)	(1 st 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	1		1	1

ProcArrays' stack frame:]		7	7 []	
byte-offset from SP(current)		(1 st byte of) associated variable	byte-offset from SP(current)	(1 st byte of) associated variable	byte-offset from SP(current)		(1 st byte of) associated variable	byte-offset from SP(current)	(1 st 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 st byte of) associated variable	byte-offset from SP(current)			(1 st byte of) associated variable	byte-offset from SP(current)	(1 st 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 st byte of) associated variable	byte-offset from SP(current)	(1 st byte of) associated variable	byte-offset from SP(current)	(1 st byte of) associated variable	byte-offset from SP(current)	(1 st 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)						