



IF EVERYTHING IS DONE CORRECTLY, THE SECOND PART IS LAUNCHED - GEOMETRIC CHECK: THE CURSOR SUDDENLY CHANGES TO A SPINNING DISK (temp.ani in the TEMP directory). After changing back, the control count of hitting the specified interval begins. There are no important layouts inside the geometry check (when the cursor is a disk)!

## LEVEL 2.

4

Find and patch 3 (three) 6 times the wiring

7 type:

```
FLD QWORD PTR DS:[CONST]
FSUB QWORD PTR DS:[CONST]
FMUL QWORD PTR DS:[CONST]
FCOMP QWORD PTR DS:[CONST]
FSTSW AX
TEST AH,05
```

The address in `FLD QWORD PTR DS:[address]` is always the same in all three. We find and set a breakpoint on memory. The AH register is patched

	For geometry-1	For geometry-2	For geometry-3
Value of the AH register	0	1	1

IF EVERYTHING IS DONE CORRECTLY, WE GO TO THE SECONDARY CHECK OF HARDWARE BREAKPOINTS. DO NOT FORGET TO REMOVE ALL HARDWARE BREAKPOINTS, otherwise error 3000.

### IMPORTANT NOTES:

1. For any other disk with a secure drive (i.e. from another protected game) it is enough to complete point 1 in level 1 and level 2 (sometimes as needed).
2. If you have hands, a simple ollydbg from the official site will do, because there you can reset BeingDebugged and a conditional breakpoint at ZwQueryInformationProcess with ProcessInfoClass = 7 or 0x1F, and rename ollydbg.exe to elf.exe
3. After key instructions at level 1 there is always PUSHFD(9C)
4. All interchanges are in obfuscated code. Similar instructions in unobfuscated code (and in general typical code generated by compilers) can be safely cut off.
5. At the top before the instructions there is always a CALL to some static C++ procedure with one argument.
6. If you don't patch the very first layout, a message will pop up "Please insert the original disc instead of a backup (1000)". After pressing OK, SecuROM, all the same, takes precautions and moves to the second layout, which, like the last third, can be easily patched and successfully pass level 2.
7. Ideally, after this, the path to OEP is open! Error code **9000** may interfere, which indicates the use of *SecuROM DATA File Activation technology*. You need to get the **dfe** file

SND 2.1 - cnc3game.dat - [*_* - main thread, module cnc3game]			
File View Debug Trace Plugins Options Windows Help			
Address	Hex dump	Command	Comments
010B6FAD	8BC8	MOV ECX,EAX	
010B6FAF	E8 38D6C2FF	CALL 00CE45EC	
010B6FB4	B8 0F35F6FF	MOV EAX,FFF6350F	
010B6FB9	8D8428 A5CA090	LEA EAX,[EBP+EAX+9CAA5]	
010B6FC0	8D6424 FC	LEA ESP,[ESP-4]	
010B6FC4	890424	MOV DWORD PTR SS:[ESP],EAX	
010B6FC7	8BC8	MOV ECX,EAX	
010B6FC9	E8 3F60F7FF	CALL 0102D00D	
010B6FCE	83E0 1F	AND EAX,0000001F	// 1
010B6FD1	3C 1F	CMP AL,1F	
010B6FD3	9C	PUSHFD	
010B6FD4	9C	PUSHFD	
010B6FD5	83EC 24	SUB ESP,24	
010B6FD8	C74424 20 8BB5	MOV DWORD PTR SS:[ESP+20],725CB5BB	
010B6FE0	C74424 1C 4400	MOV DWORD PTR SS:[ESP+1C],44	
010B6FE8	895424 18	MOV DWORD PTR SS:[ESP+18],EDX	
010B6FEC	BA 546F0B01	MOV EDX,010B6F54	ASCII ",\$C"
010B6FF1	C14C24 20 00	ROR DWORD PTR SS:[ESP+20],0	Shift out of
010B6FF6	90	NOP	
010B6FF7	897424 14	MOV DWORD PTR SS:[ESP+14],ESI	
010B6FFB	0FACD2 00	SHRD EDX,EDX,0	Shift out of

SND 2.1 - Engine.exe - [*_* - main thread, module Engine]			
File View Debug Trace Plugins Options Windows Help			
Address	Hex dump	Command	Comments
2125D13C	8BC8	MOV ECX,EAX	
2125D13E	E8 87C699FF	CALL 20BF97CA	
2125D143	B8 7DFEFFFF	MOV EAX,-183	
2125D148	8D8428 3701000	LEA EAX,[EBP+EAX+137]	
2125D14F	8D6424 FC	LEA ESP,[ESP-4]	
2125D153	890424	MOV DWORD PTR SS:[ESP],EAX	
2125D156	8BC8	MOV ECX,EAX	
2125D158	E8 6AA4D2FF	CALL 20F875C7	
2125D15D	83E0 1F	AND EAX,0000001F	// 1
2125D160	3C 1F	CMP AL,1F	
2125D162	9C	PUSHFD	
2125D163	68 74250000	PUSH 2574	
2125D168	90	NOP	
2125D169	75 10	JNE SHORT 2125D17B	
2125D16B	810424 5CAB25E	ADD DWORD PTR SS:[ESP],E625AB5C	
2125D172	810424 C200003	ADD DWORD PTR SS:[ESP],3B0000C2	
2125D179	EB FA	JMP SHORT 2125D175	
2125D17B	810424 06A8257	ADD DWORD PTR SS:[ESP],7525A806	
2125D182	90	NOP	
2125D183	810424 C20400A	ADD DWORD PTR SS:[ESP],AC0004C2	
2125D18A	FF7424 04	PUSH DWORD PTR SS:[ESP+4]	
2125D18E	9D	POPF	
2125D18F	EB F5	JMP SHORT 2125D186	
2125D191	B2 0D	MOV DL,0D	

SND 2.1 - pes2014.exe - [*_* - main thread, module pes2014]			
File View Debug Trace Plugins Options Windows Help			
Address	Hex dump	Command	Comments
02C55934	8D6424 FC	LEA ESP,[ESP-4]	
02C55938	890424	MOV DWORD PTR SS:[ESP],EAX	
02C5593B	8BC8	MOV ECX,EAX	
02C5593D	E8 3FD77FFF	CALL 02453081	
02C55942	B8 23FEFFFF	MOV EAX,-1DD	
02C55947	EB 00	JMP SHORT 02C55949	
02C55949	8D8428 91010	LEA EAX,[EBP+EAX+191]	
02C55950	8D6424 FC	LEA ESP,[ESP-4]	
02C55954	890424	MOV DWORD PTR SS:[ESP],EAX	
02C55957	8BC8	MOV ECX,EAX	
02C55959	E8 4ED97FFF	CALL 024532AC	
02C5595E	83E0 1F	AND EAX,0000001F	// 1
02C55961	3C 1F	CMP AL,1F	
02C55963	9C	PUSHFD	
02C55964	68 79270000	PUSH 2779	
02C55969	75 12	JNE SHORT 02C5597D	
02C5596B	810424 BF31C	ADD DWORD PTR SS:[ESP],36C531BF	
02C55972	90	NOP	
02C55973	810424 C2000	ADD DWORD PTR SS:[ESP],CC0000C2	
02C5597A	EB FA	JMP SHORT 02C55976	

SND 2.1 - cnc3game.dat - [*_* - main thread, module cnc3game]			
File View Debug Trace Plugins Options Windows Help			
Address	Hex dump	Command	Comments
010A6151	8B8428 9D8B010	MOV EAX,DWORD PTR DS:[EBP+EAX+18B9D]	
010A6158	33DB	XOR EBX,EBX	
010A615A	F9	STC	
010A615B	83D3 00	ADC EBX,0	
010A615E	8498 C0070000	TEST BYTE PTR DS:[EAX+7C0],BL	// 2
010A6164	895D FC	MOV DWORD PTR SS:[EBP-4],EBX	
010A6167	B9 37F6FEFF	MOV ECX,FFFEF637	
010A616C	8D8C29 8509010	LEA ECX,[EBP+ECX+10985]	
010A6173	9C	PUSHFD	
010A6174	68 053B0000	PUSH 3B05	
010A6179	74 15	JE SHORT 010A6190	
010A617B	810424 E7250A4	ADD DWORD PTR SS:[ESP],420A25E7	
010A6182	90	NOP	
010A6183	810424 C20000B	ADD DWORD PTR SS:[ESP],BF0000C2	
010A618A	8BD2	MOV EDX,EDX	
010A618C	EB F8	JMP SHORT 010A6186	
010A618E	27	DAA	
010A618F	E2 81	LOOP SHORT 010A6112	
010A6191	04 24	ADD AL,24	
010A6193	1822	SBB BYTE PTR DS:[EDX],AH	
010A6195	00FB F9	OR BL,BYTE PTR DS:[EBX,0]	

SND 2.1 - Engine.exe - [*_* - main thread, module Engine]			
File View Debug Trace Plugins Options Windows Help			
Address	Hex dump	Command	Comments
21251658	8D8C29 5101000	LEA ECX,[EBP+ECX+151]	
2125165F	E8 0D825CFF	CALL 20819871	
21251664	B8 A9FFFFFF	MOV EAX,-57	
21251669	8B4428 63	MOV EAX,DWORD PTR DS:[EBP+EAX+63]	
2125166D	33DB	XOR EBX,EBX	
2125166F	83C3 01	ADD EBX,1	
21251672	8498 C0070000	TEST BYTE PTR DS:[EAX+7C0],BL	// 2
21251678	895D FC	MOV DWORD PTR SS:[EBP-4],EBX	
2125167B	B9 5FFEFFFF	MOV ECX,-1A1	
21251680	8D8C29 5D01000	LEA ECX,[EBP+ECX+15D]	
21251687	9C	PUSHFD	
21251688	68 762D0000	PUSH 2D76	
2125168D	74 14	JE SHORT 212516A3	
2125168F	810424 84E8246	ADD DWORD PTR SS:[ESP],6724E884	
21251696	90	NOP	
21251697	810424 C20000B	ADD DWORD PTR SS:[ESP],BA0000C2	
2125169E	23ED	AND EBP,EBP	
212516A0	EB F8	JMP SHORT 2125169A	
212516A2	A4	MOVS BYTE PTR ES:[EDI],BYTE PTR DS:[ESI]	
212516A3	810424 AFE4247	ADD DWORD PTR SS:[ESP],7724E4AF	
212516A8	810424 C20400A	ADD DWORD PTR SS:[ESP],AA0004C2	
212516B1	C1FB 00	SAR EBX,0	Shift out of range
212516B4	FF7424 04	PUSH DWORD PTR SS:[ESP+4]	

SND 2.1 - pes2014.exe - [*_* - main thread, module pes2014]			
File View Debug Trace Plugins Options Windows Help			
Address	Hex dump	Command	Comments
02C43DF5	B9 37FFFFFF	MOV ECX,-0C9	
02C43DFA	8D8C29 85000	LEA ECX,[EBP+ECX+85]	
02C43E01	E8 CA37AFFF	CALL 027375D0	
02C43E06	B8 65FFFFFF	MOV EAX,-9B	
02C43E0B	8B8428 A7000	MOV EAX,DWORD PTR DS:[EBP+EAX+0A7]	
02C43E12	33DB	XOR EBX,EBX	
02C43E14	F9	STC	
02C43E15	83D3 00	ADC EBX,0	
02C43E18	8498 C0070000	TEST BYTE PTR DS:[EAX+7C0],BL	// 2
02C43E1E	895D FC	MOV DWORD PTR SS:[EBP-4],EBX	
02C43E21	B9 8BFEFFFF	MOV ECX,-175	
02C43E26	8D8C29 31010	LEA ECX,[EBP+ECX+131]	
02C43E2D	9C	PUSHFD	
02C43E2E	68 BC070000	PUSH 7BC	
02C43E33	74 10	JE SHORT 02C43E45	
02C43E35	810424 3A36C	ADD DWORD PTR SS:[ESP],24C4363A	
02C43E38	810424 3A36C	ADD DWORD PTR SS:[ESP],24C4363A	

SND 2.1 - cnc3game.dat - [\*\_\* - main thread, module cnc3game]

File View Debug Trace Plugins Options Windows Help

Address Hex dump Command Comments

010B8690	810424 C20400F	ADD DWORD PTR SS:[ESP],FB0004C2	
010B8697	EB 00	JMP SHORT 010B8699	
010B8699	FF7424 04	PUSH DWORD PTR SS:[ESP+4]	
010B869D	9D	POPF	
010B869E	EB F3	JMP SHORT 010B8693	
010B86A0	9D	POPF	
010B86A1	00BF F2070000	CMP BYTE PTR DS:[EDI+7F2],0	// 3
010B86A8	9C	PUSHFD	
010B86A9	68 7F2D0000	PUSH 2D7F	
010B86AE	75 17	JNE SHORT 010B86C7	
010B86B0	810424 10590B7	ADD DWORD PTR SS:[ESP],750B5910	
010B86B7	C1E0 00	SHL EAX,0	Shift out of range
010B86BA	810424 C200008	ADD DWORD PTR SS:[ESP],8C0000C2	
010B86C1	C1E6 00	SHL ESI,0	Shift out of range
010B86C4	EB F7	JMP SHORT 010B86BD	
010B86C6	25 83EC1CC7	AND EAX,C71CEC83	
010B86CB	44	INC ESP	
010B86CC	24 18	AND AL,18	
010B86CE	56	PUSH ESI	
010B86CF	64:A2 AAC74424	MOV BYTE PTR FS:[2444C7AA],AL	
010B86D5	14 3E	ADC AL,3E	

SND 2.1 - Engine.exe - [\*\_\* - main thread, module Engine]

File View Debug Trace Plugins Options Windows Help

Address Hex dump Command Comments

2125E489	890424	MOV DWORD PTR SS:[ESP],EAX	
2125E48C	B8 1F0E0000	MOV EAX,0E1F	
2125E491	35 EF090000	XOR EAX,000009EF	
2125E496	010424	ADD DWORD PTR SS:[ESP],EAX	
2125E499	8BED	MOV EBP,EBP	
2125E49B	58	POP EAX	
2125E49C	0078 02 00	CMP BYTE PTR DS:[EAX+2],0	// 3
2125E4A0	9C	PUSHFD	
2125E4A1	68 C8380000	PUSH 38C8	
2125E4A6	75 17	JNE SHORT 2125E4BF	
2125E4A8	810424 A804FF2	ADD DWORD PTR SS:[ESP],20FF04A8	
2125E4AF	0FACCE 00	SHRD ESI,ECX,0	Shift out of range
2125E4B3	810424 C3A7260	ADD DWORD PTR SS:[ESP],26A7C3	
2125E4B8	EB 00	JMP SHORT 2125E4BC	
2125E4BC	EB F8	JMP SHORT 2125E4B6	
2125E4BE	C2 83EC	RETN 0EC83	
2125E4C1	14 C7	ADC AL,0C7	
2125E4C3	44	INC ESP	
2125E4C4	24 10	AND AL,10	
2125E4C6	8F	DB 8F	Unknown command
2125E4C7	36:9B	WAIT	Superfluous segment o
2125E4C9	69C7 44240C70	IMUL EAX,EDI,700C2444	
2125E4CF	0000	ADD BYTE PTR DS:[EAX],AL	
2125E4D1	0089 742408BE	ADD BYTE PTR DS:[ECX+BE082474],CL	
2125E4D7	8CE4	MOV ESP,FS	Suspicious use of sta
2125E4D9	25 21C14C24	AND EAX,244CC121	
2125E4DE	1010	ADC BYTE PTR DS:[EAX],DL	

SND 2.1 - pes2014.exe - [\*\_\* - main thread, module pes2014]

File View Debug Trace Plugins Options Windows Help

Address Hex dump Command Comments

02C56D59	0FA4D1 00	SHLD ECX,EDX,0	Shift out of
02C56D5D	8B4C24 08	MOV ECX,DWORD PTR SS:[ESP+8]	
02C56D61	83C4 14	ADD ESP,14	
02C56D64	9D	POPF	
02C56D65	35 76040000	XOR EAX,00000476	
02C56D6A	010424	ADD DWORD PTR SS:[ESP],EAX	
02C56D6D	58	POP EAX	
02C56D6E	0078 02 00	CMP BYTE PTR DS:[EAX+2],0	// 3
02C56D72	9C	PUSHFD	
02C56D73	68 EB3A0000	PUSH 3AEB	
02C56D78	75 17	JNE SHORT 02C56D91	
02C56D7A	810424 FB4D2	ADD DWORD PTR SS:[ESP],022C4DFB	
02C56D81	0FA4C9 00	SHLD ECX,ECX,0	Shift out of
02C56D85	810424 C3E49	ADD DWORD PTR SS:[ESP],0098E4C3	
02C56D8C	C1E0 00	SHL EAX,0	Shift out of
02C56D8F	EB F7	JMP SHORT 02C56D88	

SND 2.1 - cnc3game.dat - [*_* - main thread, module cnc3game]			
File View Debug Trace Plugins Options Windows Help			
Address	Hex dump	Command	Comments
010DF799	9C	PUSHFD	
010DF79A	814424 04 C3CC	ADD DWORD PTR SS:[ESP+4],0ECCCC3	
010DF7A2	9D	POPFD	
010DF7A3	EB F9	JMP SHORT 010DF79E	
010DF7A5	A4	MOVS BYTE PTR ES:[EDI],BYTE PTR DS:[ESI]	
010DF7A6	897D 64	MOV DWORD PTR SS:[EBP+64],EDI	
010DF7A9	8B3D BF1D2D01	CMP BYTE PTR DS:[12D1DBF],0	// 2FIX
010DF7B0	9C	PUSHFD	
010DF7B1	68 AF060000	PUSH 6AF	
010DF7B6	76 15	JBE SHORT 010DF7CD	
010DF7B8	810424 F70F330	ADD DWORD PTR SS:[ESP],330FF7	
010DF7BF	C1E1 00	SHL ECX,0	Shift out of range
010DF7C2	810424 C3E1DA0	ADD DWORD PTR SS:[ESP],00DAE1C3	
010DF7C9	EB FA	JMP SHORT 010DF7C5	
010DF7CB	2089 83EC18C7	AND BYTE PTR DS:[ECX+C718EC83],CL	
010DF7D1	44	INC ESP	
010DF7D2	24 14	AND AL,14	
010DF7D4	CE	INT0	

  

SND 2.1 - Engine.exe - [*_* - main thread, module Engine]			
File View Debug Trace Plugins Options Windows Help			
Address	Hex dump	Command	Comments
212876EA	90	NOP	
212876EB	8B7424 0C	MOV ESI,DWORD PTR SS:[ESP+0C]	
212876EF	83C4 18	ADD ESP,18	
212876F2	0FACD6 00	SHRD ESI,EDX,0	Shift out of range
212876F6	9D	POPFD	
212876F7	33DB	XOR EBX,EBX	
212876F9	8B3D 8BE25021	CMP BYTE PTR DS:[2150E28B],0	// 2FIX
21287700	9C	PUSHFD	
21287701	68 C8190000	PUSH 19C8	
21287706	76 15	JBE SHORT 2128771D	
21287708	810424 ABD8902	ADD DWORD PTR SS:[ESP],2090D8AB	
2128770F	0FACEE 00	SHRD ESI,EBP,0	Shift out of range
21287713	810424 C384970	ADD DWORD PTR SS:[ESP],OFFSET 009784C3	
2128771A	EB FA	JMP SHORT 21287716	
2128771C	8481 04246DA2	TEST BYTE PTR DS:[ECX+A26D2404],AL	
21287722	28B0 8BD28104	SUB BYTE PTR DS:[EAX+481D28B],DH	
21287728	24 C2	AND AL,C2	
2128772A	04 00	ADD AL,0	
2128772C	71 90	JNO SHORT 212876BE	
2128772E	FF7424 04	PUSH DWORD PTR SS:[ESP+4]	
21287732	9D	POPFD	
21287733	EB F4	JMP SHORT 21287729	
21287735	72 9D	JB SHORT 212876D4	
21287737	395D 38	CMP DWORD PTR SS:[EBP+38],EBX	
2128773A	9C	PUSHFD	

SND 2.1 - pes2014.exe - [*_* - main thread, module pes2014]			
File View Debug Trace Plugins Options Windows Help			
Address	Hex dump	Command	Comments
02C91B82	0FA59D 588B4	SHLD DWORD PTR SS:[EBP+244C8B58],EBX,CL	
02C91B89	0C 89	OR AL,89	
02C91B8B	55	PUSH EBP	
02C91B8C	40	INC EAX	
02C91B8D	8B5424 10	MOV EDX,DWORD PTR SS:[ESP+10]	
02C91B91	83C4 1C	ADD ESP,1C	
02C91B94	9D	POPFD	
02C91B95	8BFF	MOV EDI,EDI	
02C91B97	8B3D 0B1BF50	CMP BYTE PTR DS:[2F51B0B],0	// 2FIX
02C91B9E	9C	PUSHFD	
02C91B9F	68 24380000	PUSH 3824	
02C91BA4	76 13	JBE SHORT 02C91BB9	
02C91BA6	810424 ECE2C	ADD DWORD PTR SS:[ESP],52C8E2EC	
02C91BAD	90	NOP	
02C91BAE	810424 C2000	ADD DWORD PTR SS:[ESP],B00000C2	
02C91BB5	EB FA	JMP SHORT 02C91BB1	
02C91BB7	98	CWDE	

SND 2.1 - cnc3game.dat - [*_* - main thread, module cnc3game]			
File View Debug Trace Plugins Options Windows Help			
Address	Hex dump	Command	Comments
010EAF9B	D0C1	ROL CL,1	
010EAF9D	E3 00	JECXZ SHORT 010EAF9F	
010EAF9F	8B7C24 08	MOV EDI,DWORD PTR SS:[ESP+8]	
010EAF9F	8B5424 04	MOV EDX,DWORD PTR SS:[ESP+4]	
010EAF9F	90	NOP	
010EAF9F	83C4 14	ADD ESP,14	
010EAF9F	8B0C24	MOV ECX,DWORD PTR SS:[ESP]	
010EAF9F	8D6424 04	LEA ESP,[ESP+4]	
010EAF9F	DD05 78DC1E01	FLD QWORD PTR DS:[11EDC78]	Float -0.9900000095367432
010EAF9F	BE 301E2D01	MOV ESI,OFFSET 012D1E30	
010EAF9F	DC25 80DC1E01	FSUB QWORD PTR DS:[11EDC80]	Float 0.0
010EAF9F	DC0D 50C04A01	FMUL QWORD PTR DS:[14AC050]	Float 100.00000000000000
010EAF9F	DC1D 98304801	FCOMP QWORD PTR DS:[1483098]	Float 0.0
010EAF9F	DFF0	FSTSW AX	
010EAF9F	F6C4 05	TEST AH,05	
010EAF9F	9C	PUSHFD	// geometry-1
010EAF9F	68 F7170000	PUSH 17F7	
010EAF9F	7A 14	JPE SHORT 010EAF9F	
010EAF9F	810424 EB73DE01	ADD DWORD PTR SS:[ESP],00DE73EB	
010EAF9F	810424 C3243B01	ADD DWORD PTR SS:[ESP],3024C3	
010EAF9F	23C9	AND ECX,ECX	
010EAF9F	EB F8	JMP SHORT 010EAFE6	
010EAF9F	E2 28	LOOP SHORT 010EB018	
010EAF9F	83EC 1C	SUB ESP,1C	

SND 2.1 - Engine.exe - [*_* - main thread, module Engine]			
File View Debug Trace Plugins Options Windows Help			
Address	Hex dump	Command	Comments
21294555	DD05 C09A3F21	FLD QWORD PTR DS:[213F9AC0]	Float -0.9900000095367432
2129455B	BE FCE25021	MOV ESI,2150E2FC	
21294560	DC25 281B4021	FSUB QWORD PTR DS:[21401B28]	Float 0.0
21294566	DC0D 28333D21	FMUL QWORD PTR DS:[213D3328]	Float 100.00000000000000
2129456C	DC1D 001A3821	FCOMP QWORD PTR DS:[21381AD0]	Float 0.0
21294572	DFF0	FSTSW AX	
21294574	F6C4 05	TEST AH,05	
21294577	9C	PUSHFD	// geometry-1
21294578	9C	PUSHFD	
21294579	83EC 14	SUB ESP,14	
2129457C	C74424 10 A3821	MOV DWORD PTR SS:[ESP+10],OFFSET 005E821	
21294584	C74424 0C 6700	MOV DWORD PTR SS:[ESP+0C],67	
2129458C	894424 08	MOV DWORD PTR SS:[ESP+8],EAX	
21294590	B8 24452921	MOV EAX,21294524	
21294595	C14C24 10 00	ROR DWORD PTR SS:[ESP+10],0	Shift out of range
2129459A	894C24 04	MOV DWORD PTR SS:[ESP+4],ECX	
2129459E	C1EE 00	SHR ESI,0	Shift out of range
212945A1	8B08	MOV ECX,DWORD PTR DS:[EAX]	
212945A3	014C24 10	ADD DWORD PTR SS:[ESP+10],ECX	
212945A7	52	PUSH EDX	
212945A8	5A	POP EDX	
212945A9	83C0 04	ADD EAX,4	
212945AC	66:FF4C24 0C	DEC WORD PTR SS:[ESP+0C]	
212945B1	90	NOP	
212945B2	75 EA	JNE SHORT 2129459E	
212945B4	804C24 10 01	OR BYTE PTR SS:[ESP+10],01	

SND 2.1 - pes2014.exe - [*_* - main thread, module pes2014]			
File View Debug Trace Plugins Options Windows Help			
Address	Hex dump	Command	Comments
02CA3C3F	8D6424 FC	LEA ESP,[ESP-4]	
02CA3C43	C70424 923AC	MOV DWORD PTR SS:[ESP],02CA3A92	
02CA3C4A	9C	PUSHFD	
02CA3C4B	814424 04 C3	ADD DWORD PTR SS:[ESP+4],2C3	
02CA3C53	9D	POPF	
02CA3C54	EB F9	JMP SHORT 02CA3C4F	
02CA3C56	DD05 7879E301	FLD QWORD PTR DS:[2E37978]	Float -0.9900000095367432
02CA3C5C	BE 7C1BF502	MOV ESI,OFFSET 02F51B7C	
02CA3C61	DC25 E0F9E301	FSUB QWORD PTR DS:[2E3F9E0]	Float 0.0
02CA3C67	DC0D D40AE201	FMUL QWORD PTR DS:[2E20AD4]	Float 100.00000000000000
02CA3C6D	DC1D 782BDC01	FCOMP QWORD PTR DS:[2DC2B78]	Float 0.0
02CA3C73	DFF0	FSTSW AX	
02CA3C75	F6C4 05	TEST AH,05	
02CA3C78	9C	PUSHFD	
02CA3C79	68 C83B0000	PUSH 3BC8	
02CA3C7E	7A 13	JPE SHORT 02CA3C93	
02CA3C80	810424 2100C	ADD DWORD PTR SS:[ESP],15CA0021	
02CA3C87	8D09	LEA ECX,[ECX]	
02CA3C89	810424 C2000	ADD DWORD PTR SS:[ESP],ED0000C2	
02CA3C90	90	NOP	
02CA3C91	EB F9	JMP SHORT 02CA3C8C	
02CA3C93	810424 CBFCC	ADD DWORD PTR SS:[ESP],1EC9FCCB	
02CA3C9A	90	NOP	
02CA3C9B	810424 C2800	ADD DWORD PTR SS:[ESP],F48000C2	

SND 2.1 - cnc3game.dat - [\*\_\* - main thread, module cnc3game]

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Address	Hex dump	Command	Comments
010ED2FC	90	NOP	
010ED2FD	810424 C204004	ADD DWORD PTR SS:[ESP],4C0004C2	
010ED304	8BD2	MOV EDX,EDX	
010ED306	FF7424 04	PUSH DWORD PTR SS:[ESP+4]	
010ED30A	9D	POPF	
010ED30B	EB F3	JMP SHORT 010ED300	
010ED30D	2E:AB	STOS DWORD PTR ES:[EDI]	Superfluous segment override p
010ED30F	9D	POPF	
010ED310	DD05 78DC1E01	FLD QWORD PTR DS:[11EDC78]	FLOAT -0.9900000095367432
010ED316	DC25 80DC1E01	FSUB QWORD PTR DS:[11EDC80]	FLOAT 0.0
010ED31C	DC00 644E4A01	FMUL QWORD PTR DS:[14A4E64]	FLOAT -32.000000000000000
010ED322	DC1D 98304801	FCOMP QWORD PTR DS:[1483098]	FLOAT 0.0
010ED328	DFF0	FSTSW AX	
010ED32A	F6C4 05	TEST AH,05	// geometry-2
010ED32D	9C	PUSHFD	
010ED32E	68 F2240000	PUSH 24F2	
010ED333	7B 15	JPO SHORT 010ED34A	
010ED335	810424 11086401	ADD DWORD PTR SS:[ESP],00640811	
010ED33C	87DB	XCHG EBX,EBX	
010ED33E	810424 C3A6AA01	ADD DWORD PTR SS:[ESP],00AA6A03	
010ED345	C1E3 00	SHL EBX,0	Shift out of range
010ED348	EB F7	JMP SHORT 010ED341	
010ED34A	83EC 24	SUB ESP,24	

SND 2.1 - Engine.exe - [\*\_\* - main thread, module Engine]

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File View Debug Trace Plugins Options Windows Help

Address	Hex dump	Command	Comments
21295869	DD05 C09A3F21	FLD QWORD PTR DS:[213F9AC0]	FLOAT -0.9900000095367432
2129586F	DC25 281B4021	FSUB QWORD PTR DS:[21401B28]	FLOAT 0.0
21295875	DC00 F0A73C21	FMUL QWORD PTR DS:[213CA7F0]	FLOAT -32.000000000000000
2129587B	DC1D D01A3821	FCOMP QWORD PTR DS:[21381AD0]	FLOAT 0.0
21295881	DFF0	FSTSW AX	
21295883	F6C4 05	TEST AH,05	// geometry-2
21295886	9C	PUSHFD	
21295887	9C	PUSHFD	
21295888	83EC 20	SUB ESP,20	
2129588B	C74424 1C 6919	MOV DWORD PTR SS:[ESP+1C],99021969	
21295893	C74424 18 4A00	MOV DWORD PTR SS:[ESP+18],4A	
2129589B	895424 14	MOV DWORD PTR SS:[ESP+14],EDX	
2129589F	BA 38582921	MOV EDX,21295838	
212958A4	C14C24 1C 08	ROR DWORD PTR SS:[ESP+1C],8	
212958A9	EB 00	JMP SHORT 212958AB	
212958AB	896C24 10	MOV DWORD PTR SS:[ESP+10],EBP	
212958AF	8B2A	MOV EBP,DWORD PTR DS:[EDX]	
212958B1	016C24 1C	ADD DWORD PTR SS:[ESP+1C],EBP	
212958B5	83C2 04	ADD EDX,4	
212958B8	66:FF4C24 18	DEC WORD PTR SS:[ESP+18]	
212958BD	75 F0	JNE SHORT 212958AF	
212958BF	804C24 1C 01	OR BYTE PTR SS:[ESP+1C],01	
212958C4	0FACCD 00	SHRD EBP,ECX,0	Shift out of range
212958C8	8B5424 20	MOV EDX,DWORD PTR SS:[ESP+20]	
212958CC	8B6C24 1C	MOV EBP,DWORD PTR SS:[ESP+1C]	
212958D0	895424 1C	MOV DWORD PTR SS:[ESP+1C],EDX	

SND 2.1 - pes2014.exe - [*_* - main thread, module pes2014]				
File View Debug Trace Plugins Options Windows Help				
Address	Hex dump	Command	Comments	
02CA61D5	810424 C204004	ADD DWORD PTR SS:[ESP],E20004C2		
02CA61DC	FF7424 04	PUSH DWORD PTR SS:[ESP+4]		
02CA61E0	9D	POPF		
02CA61E1	EB F5	JMP SHORT 02CA61D8		
02CA61E3	9C	PUSHFD		
02CA61E4	52	PUSH EDX		
02CA61E5	9D	POPF		
02CA61E6	DD05 7879E301	FLD QWORD PTR DS:[2E37978]	FLOAT -0.9900000095367432	
02CA61EC	DC25 E0F9E301	FSUB QWORD PTR DS:[2E3F9E0]	FLOAT 0.0	
02CA61F2	DC00 E47FE101	FMUL QWORD PTR DS:[2E17FE4]	FLOAT -32.000000000000000	
02CA61F8	DC1D 782BDC01	FCOMP QWORD PTR DS:[2DC2B78]	FLOAT 0.0	
02CA61FE	DFF0	FSTSW AX	// geometry-2	
02CA6200	F6C4 05	TEST AH,05		
02CA6203	9C	PUSHFD		
02CA6204	9C	PUSHFD		
02CA6205	83EC 24	SUB ESP,24		
02CA6208	C74424 20 B219	MOV DWORD PTR SS:[ESP+20],5D2F6EB2		
02CA6210	C74424 1C 6319	MOV DWORD PTR SS:[ESP+1C],10063		
02CA6218	895C24 18	MOV DWORD PTR SS:[ESP+18],EBX		
02CA621C	BB B461CA01	MOV EBX,02CA61B4		
02CA6221	C14C24 20 00	ROR DWORD PTR SS:[ESP+20],0	Shift out of range	
02CA6226	90	NOP		
02CA6227	894424 14	MOV DWORD PTR SS:[ESP+14],EAX		
02CA6228	90	NOP		
02CA622C	8B03	MOV EAX,DWORD PTR DS:[EBX]		
02CA622E	90	NOP		
02CA622F	014424 20	ADD DWORD PTR SS:[ESP+20],EAX		
02CA6233	83C3 04	ADD EBX,4		
02CA6236	66:FF4C24 1C	DEC WORD PTR SS:[ESP+1C]		



SND 2.1 - cnc3game.dat - [*.* - main thread, module cnc3game]			
File View Debug Trace Plugins Options Windows Help			
Address	Hex dump	Command	Comments
010CD154	90	NOP	
010CD155	810424 C20400E	ADD DWORD PTR SS:[ESP],EE0004C2	
010CD15C	FF7424 04	PUSH DWORD PTR SS:[ESP+4]	
010CD160	9D	POPF	
010CD161	EB F5	JMP SHORT 010CD158	
010CD163	9D	POPF	
010CD164	DD05 78DC1E01	FLD QWORD PTR DS:[11EDC78]	Float -0.9900000095367432
010CD16A	DC25 80DC1E01	FSUB QWORD PTR DS:[11EDC80]	Float 0.0
010CD170	DC0D 644E4A01	FMUL QWORD PTR DS:[14A4E64]	Float -32.00000000000000
010CD176	DC1D 98304801	FCOMP QWORD PTR DS:[1483098]	Float 0.0
010CD17C	DFF0	FSTSW AX	
010CD17E	F6C4 05	TEST AH,05	// geometry-3
010CD181	9C	PUSHFD	
010CD182	68 4D010000	PUSH 14D	
010CD187	8BF6	MOV ESI,ESI	
010CD189	7A 15	JPE SHORT 010CD1A0	
010CD18B	810424 A8CF0CE	ADD DWORD PTR SS:[ESP],E50CCFA8	
010CD192	87F6	XCHG ESI,ESI	

SND 2.1 - Engine.exe - [*.* - main thread, module Engine]			
File View Debug Trace Plugins Options Windows Help			
Address	Hex dump	Command	Comments
21275A80	871C24	XCHG DWORD PTR SS:[ESP],EBX	
21275A83	EB F7	JMP SHORT 21275A7C	
21275A85	33C0	XOR EAX,EAX	
21275A87	873424	XCHG DWORD PTR SS:[ESP],ESI	
21275A8A	EB 00	JMP SHORT 21275A8C	
21275A8C	56	PUSH ESI	
21275A8D	877424 04	XCHG DWORD PTR SS:[ESP+4],ESI	
21275A91	90	NOP	
21275A92	C74424 04 C204	MOV DWORD PTR SS:[ESP+4],F60004C2	
21275A9A	EB FA	JMP SHORT 21275A96	
21275A9C	DD05 C09A3F21	FLD QWORD PTR DS:[213F9AC0]	Float -0.9900000095367432
21275AA2	DC25 281B4021	FSUB QWORD PTR DS:[21401B28]	Float 0.0
21275AA8	DC0D F0A73C21	FMUL QWORD PTR DS:[213CA7F0]	Float -32.00000000000000
21275AAE	DC1D D01A3821	FCOMP QWORD PTR DS:[21381AD0]	Float 0.0
21275AB4	DFF0	FSTSW AX	
21275AB6	F6C4 05	TEST AH,05	// geometry-3
21275AB9	9C	PUSHFD	
21275ABA	68 F3110000	PUSH 11F3	
21275ABF	7B 1A	JPO SHORT 21275ADB	
21275AC1	810424 9F1D772	ADD DWORD PTR SS:[ESP],20771D9F	
21275AC8	50	PUSH EAX	
21275AC9	83C4 04	ADD ESP,4	
21275ACC	90	NOP	
21275ACD	810424 C32B800	ADD DWORD PTR SS:[ESP],0FFSET 00B02BC3	
21275AD4	83E0 FF	AND EAX,FFFFFFFF	
21275AD7	EB F7	JMP SHORT 21275AD0	
21275AD9	98	CWDE	
21275ADA	CE	INT0	
21275ADB	83EC 24	SUB ESP,24	

SND 2.1 - pes2014.exe - [*.* - main thread, module pes2014]			
File View Debug Trace Plugins Options Windows Help			
Address	Hex dump	Command	Comments
02C773B3	33C0	XOR EAX,EAX	
02C773B5	FF3424	PUSH DWORD PTR SS:[ESP]	
02C773B8	C1E6 00	SHL ESI,0	Shift out of range
02C773BB	90	NOP	
02C773BC	C74424 04 C2	MOV DWORD PTR SS:[ESP+4],C80004C2	
02C773C4	EB FA	JMP SHORT 02C773C0	
02C773C6	DD05 7879E30	FLD QWORD PTR DS:[2E37978]	Float -0.9900000095367432
02C773CC	DC25 E0F9E30	FSUB QWORD PTR DS:[2E3F9E0]	Float 0.0
02C773D2	DC0D E47FE10	FMUL QWORD PTR DS:[2E17FE4]	Float -32.00000000000000
02C773D8	DC1D 782BDC0	FCOMP QWORD PTR DS:[2DC2B78]	Float 0.0
02C773DE	DFF0	FSTSW AX	// geometry-3
02C773E0	F6C4 05	TEST AH,05	
02C773E3	9C	PUSHFD	
02C773E4	68 DF010000	PUSH 1DF	
02C773E9	7B 18	JPO SHORT 02C77403	
02C773EB	810424 7971C	ADD DWORD PTR SS:[ESP],A1C77179	
02C773F2	0FA4DF 00	SHLD EDI,EBX,0	Shift out of range
02C773F6	810424 C2000	ADD DWORD PTR SS:[ESP],610000C2	
02C773FD	F8	CLC	
02C773FE	83DA 00	SBB EDX,0	
02C77401	EB F6	JMP SHORT 02C773F9	