Joe Sandbox Cloud BASIC

ID: 451415
Sample Name:
SecuriteInfo.com.__vbaHresultCheckObj.11013.25640
Cookbook: default.jbs
Time: 16:06:38
Date: 20/07/2021
Version: 33.0.0 White Diamond

Table of Contents

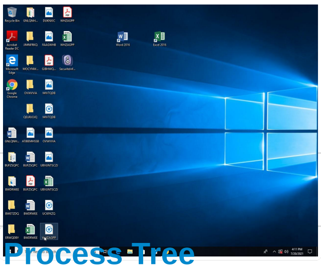
Windows Analysis Report SecuriteInfo.com.__vbaHresu…

Overview

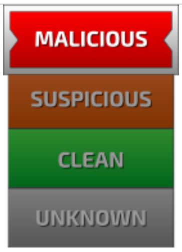
General Information

Sample Name:	SecuriteInfo.com.__vbaHresultCheckObj.11013.25640 (renamed file extension from 25640 to exe)
Analysis ID:	451415
MD5:	c6066a473750ed..
SHA1:	b2c181c008fd857..
SHA256:	932f31e90730214.
Tags:	exe
Infos:	

Most interesting Screenshot:



Detection



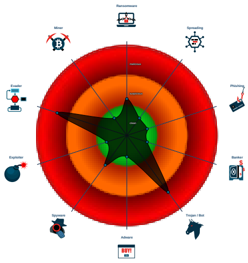
GuLoader

Score:	88
Range:	0 - 100
Whitelisted:	false
Confidence:	100%

Signatures

- Found malware configuration
- Multi AV Scanner detection for subm…
- Yara detected GuLoader
- C2 URLs / IPs found in malware con…
- Contains functionality to detect hard…
- Detected RDTSC dummy instruction…
- Found potential dummy code loops (…
- Machine Learning detection for samp…
- Tries to detect virtualization through…
- Abnormal high CPU Usage
- Contains functionality for execution …
- Contains functionality to call native f…

Classification



Process Tree

- **System is w10x64**
- SecuriteInfo.com.__vbaHresultCheckObj.11013.exe (PID: 6556 cmdline: 'C:\Users\user\Desktop\SecuriteInfo.com.__vbaHresultCheckObj.11013.exe' MD5: C6066A473750ED5AD023D20CE532C8C8)
- **cleanup**

Malware Configuration

Threatname: GuLoader

```
{
  "Payload URL": "https://andreameixueiro.com/IRANSAT_Vsidob74.bin"
}
```

Yara Overview

Initial Sample

Source	Rule	Description	Author	Strings
SecuriteInfo.com.__vbaHresultCheckObj.11013.exe	JoeSecurity_GuLoader_1	Yara detected GuLoader	Joe Security	

Memory Dumps

Source	Rule	Description	Author	Strings
00000001.00000002.1181676924.0000000000401000.00000020.00020000.sdmp	JoeSecurity_GuLoader_1	Yara detected GuLoader	Joe Security	
00000001.00000000.653822220.0000000000401000.00000020.00020000.sdmp	JoeSecurity_GuLoader_1	Yara detected GuLoader	Joe Security	

Unpacked PEs

Source	Rule	Description	Author	Strings
1.0.SecuriteInfo.com.__vbaHresultCheckObj.11013.exe.400000.0.unpack	JoeSecurity_GuLoader_1	Yara detected GuLoader	Joe Security	
1.2.SecuriteInfo.com.__vbaHresultCheckObj.11013.exe.400000.0.unpack	JoeSecurity_GuLoader_1	Yara detected GuLoader	Joe Security	

Sigma Overview

No Sigma rule has matched

Jbx Signature Overview

Click to jump to signature section

AV Detection:

Found malware configuration

Multi AV Scanner detection for submitted file

Machine Learning detection for sample

Networking:

C2 URLs / IPs found in malware configuration

Data Obfuscation:

Yara detected GuLoader

Malware Analysis System Evasion:

Contains functionality to detect hardware virtualization (CPUID execution measurement)

Detected RDTSC dummy instruction sequence (likely for instruction hammering)

Tries to detect virtualization through RDTSC time measurements

Anti Debugging:

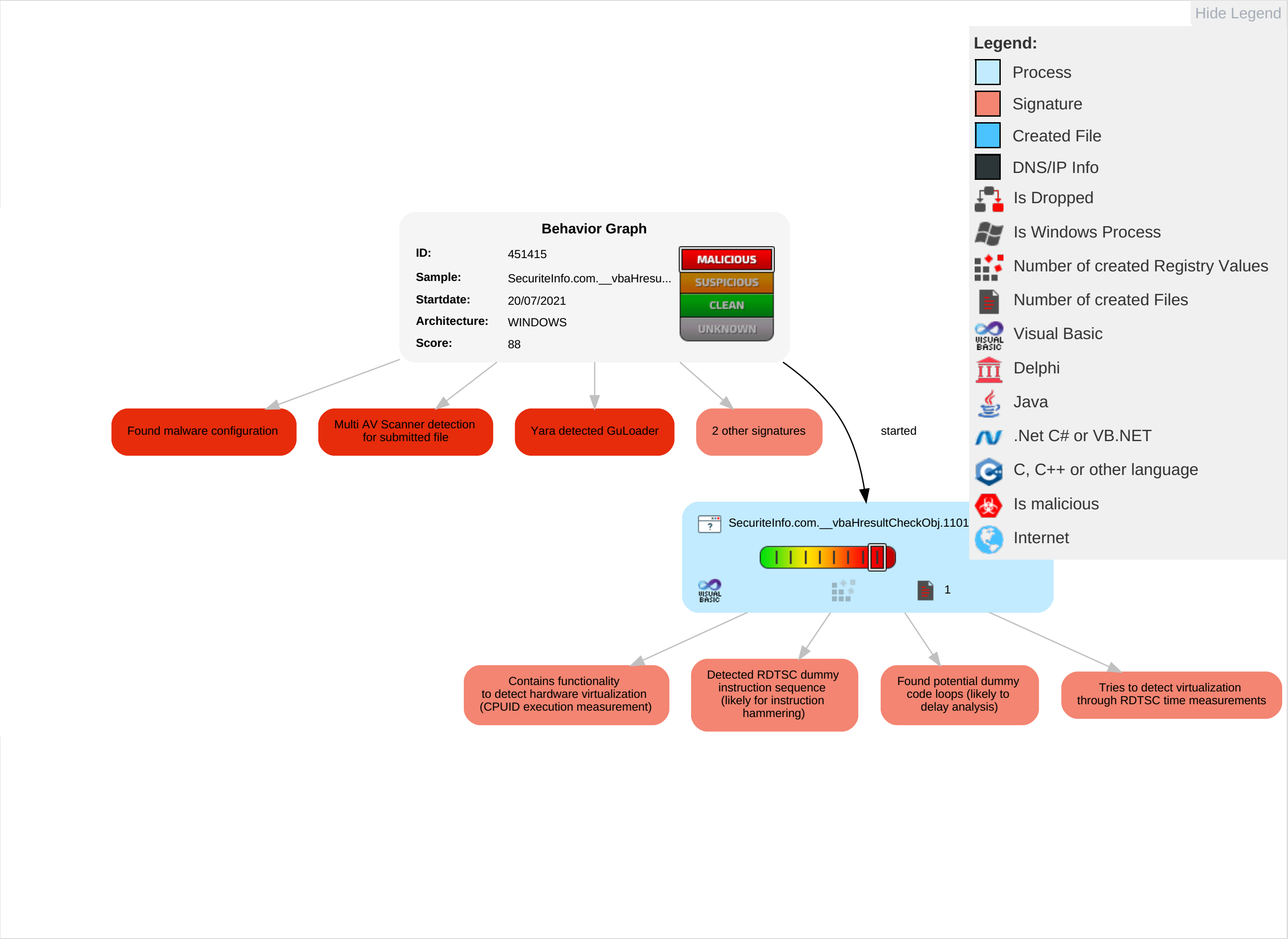
Found potential dummy code loops (likely to delay analysis)

Mitre Att&ck Matrix

Initial Access	Execution	Persistence	Privilege Escalation	Defense Evasion	Credential Access	Discovery	Lateral Movement	Collection	Exfiltration	Command and Control	Network Effects	R S E
Valid Accounts	Windows Management Instrumentation	Path Interception	Process Injection 1	Virtualization/Sandbox Evasion 1 1	OS Credential Dumping	Security Software Discovery 4 1	Remote Services	Archive Collected Data 1	Exfiltration Over Other Network Medium	Encrypted Channel 1	Eavesdrop on Insecure Network Communication	R T W A
Default Accounts	Scheduled Task/Job	Boot or Logon Initialization Scripts	Boot or Logon Initialization Scripts	Process Injection 1	LSASS Memory	Virtualization/Sandbox Evasion 1 1	Remote Desktop Protocol	Data from Removable Media	Exfiltration Over Bluetooth	Application Layer Protocol 1	Exploit SS7 to Redirect Phone Calls/SMS	R W W A
Domain Accounts	At (Linux)	Logon Script (Windows)	Logon Script (Windows)	Obfuscated Files or Information 1	Security Account Manager	Process Discovery 1	SMB/Windows Admin Shares	Data from Network Shared Drive	Automated Exfiltration	Steganography	Exploit SS7 to Track Device Location	O D C B

Initial Access	Execution	Persistence	Privilege Escalation	Defense Evasion	Credential Access	Discovery	Lateral Movement	Collection	Exfiltration	Command and Control	Network Effects	R S E
Local Accounts	At (Windows)	Logon Script (Mac)	Logon Script (Mac)	Binary Padding	NTDS	System Information Discovery 3 1 1	Distributed Component Object Model	Input Capture	Scheduled Transfer	Protocol Impersonation	SIM Card Swap	

Behavior Graph



Hide Legend

Legend:

- ☐ Process
- 🟥 Signature
- 🟦 Created File
- ■ DNS/IP Info
- Is Dropped
- Is Windows Process
- Number of created Registry Values
- Number of created Files
- Visual Basic
- Delphi
- Java
- .Net C# or VB.NET
- C, C++ or other language
- Is malicious
- Internet

Behavior Graph

ID: 451415
Sample: SecuriteInfo.com.__vbaHresu...
Startdate: 20/07/2021
Architecture: WINDOWS
Score: 88

Found malware configuration

Multi AV Scanner detection for submitted file

Yara detected GuLoader

2 other signatures

SecuriteInfo.com.__vbaHresultCheckObj.1101

Contains functionality to detect hardware virtualization (CPUID execution measurement)

Detected RDTSC dummy instruction sequence (likely for instruction hammering)

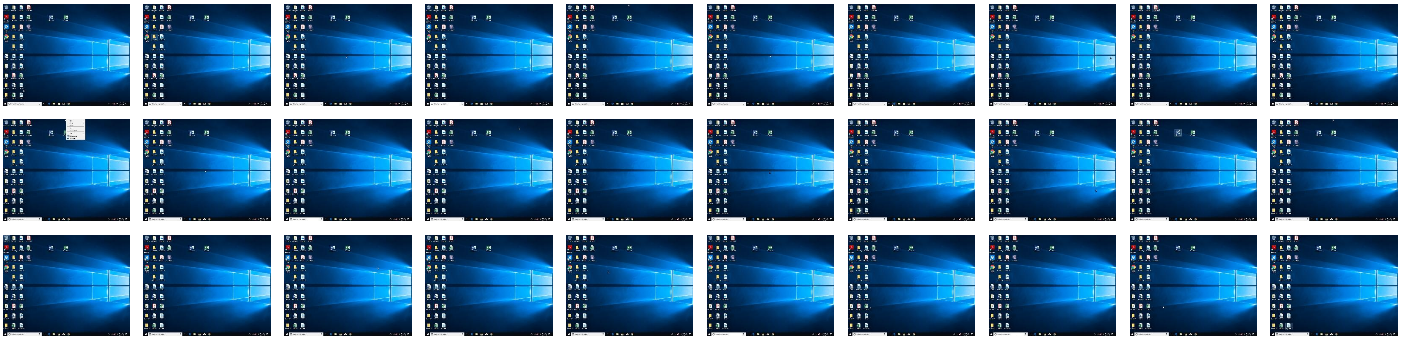
Found potential dummy code loops (likely to delay analysis)

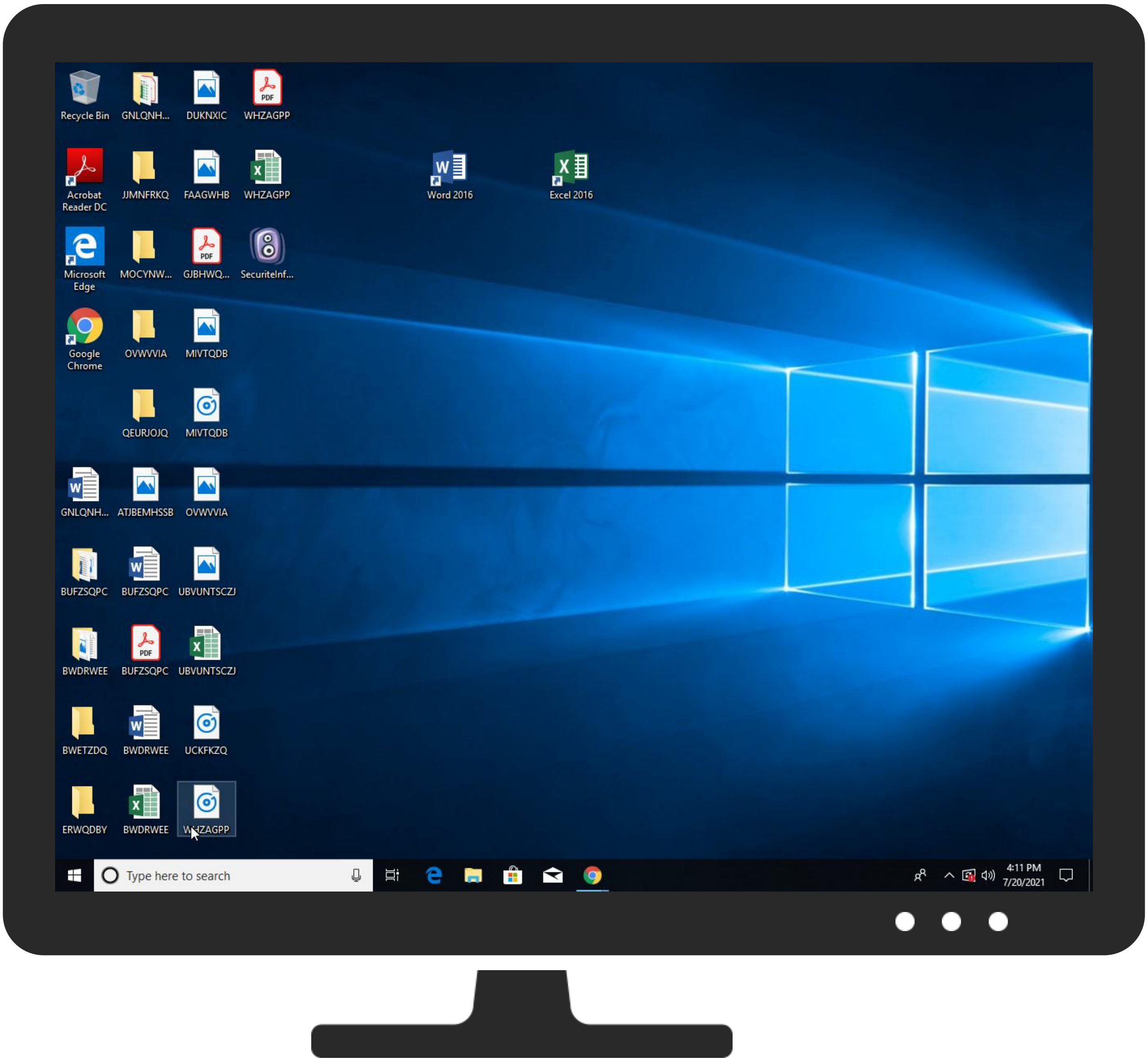
Tries to detect virtualization through RDTSC time measurements

Screenshots

Thumbnails

This section contains all screenshots as thumbnails, including those not shown in the slideshow.





Antivirus, Machine Learning and Genetic Malware Detection

Initial Sample

Source	Detection	Scanner	Label	Link
SecuriteInfo.com.__vbaHresultCheckObj.11013.exe	30%	ReversingLabs	Win32.Trojan.GuLoader	
SecuriteInfo.com.__vbaHresultCheckObj.11013.exe	100%	Joe Sandbox ML		

Dropped Files

No Antivirus matches

Unpacked PE Files

No Antivirus matches

Domains

No Antivirus matches

URLs

Source	Detection	Scanner	Label	Link
http://https://andreameixueiro.com/IRANSAT_Vsidob74.bin	0%	Avira URL Cloud	safe	

Domains and IPs

Contacted Domains

No contacted domains info

Contacted URLs

Name	Malicious	Antivirus Detection	Reputation
http://https://andreameixueiro.com/IRANSAT_Vsidob74.bin	true	• Avira URL Cloud: safe	unknown

Contacted IPs

No contacted IP infos

General Information

Joe Sandbox Version:	33.0.0 White Diamond
Analysis ID:	451415
Start date:	20.07.2021
Start time:	16:06:38
Joe Sandbox Product:	CloudBasic
Overall analysis duration:	0h 7m 54s
Hypervisor based Inspection enabled:	false
Report type:	light
Sample file name:	SecuriteInfo.com.__vbaHresultCheckObj.11013.25640 (renamed file extension from 25640 to exe)
Cookbook file name:	default.jbs
Analysis system description:	Windows 10 64 bit v1803 with Office Professional Plus 2016, Chrome 85, IE 11, Adobe Reader DC 19, Java 8 Update 211
Number of analysed new started processes analysed:	17
Number of new started drivers analysed:	0
Number of existing processes analysed:	0
Number of existing drivers analysed:	0
Number of injected processes analysed:	0
Technologies:	• HCA enabled • EGA enabled • HDC enabled • AMSI enabled
Analysis Mode:	default
Analysis stop reason:	Timeout
Detection:	MAL
Classification:	mal88.troj.evad.winEXE@1/0@0/0
EGA Information:	Failed
HDC Information:	• Successful, ratio: 21.7% (good quality ratio 8.3%) • Quality average: 20.8% • Quality standard deviation: 30.5%
HCA Information:	Failed
Cookbook Comments:	• Adjust boot time • Enable AMSI • Override analysis time to 240s for sample files taking high CPU consumption
Warnings:	Show All

Simulations

Behavior and APIs

No simulations

Joe Sandbox View / Context

IPs

No context

Domains

No context

ASN

No context

JA3 Fingerprints

No context

Dropped Files

No context

Created / dropped Files

No created / dropped files found

Static File Info

General

File type:	PE32 executable (GUI) Intel 80386, for MS Windows
Entropy (8bit):	6.2543149496955905
TrID:	• Win32 Executable (generic) a (10002005/4) 99.15% • Win32 Executable Microsoft Visual Basic 6 (82127/2) 0.81% • Generic Win/DOS Executable (2004/3) 0.02% • DOS Executable Generic (2002/1) 0.02% • Autodesk FLIC Image File (extensions: flc, fli, cel) (7/3) 0.00%
File name:	SecuriteInfo.com.__vbaHresultCheckObj.11013.exe
File size:	241664
MD5:	c6066a473750ed5ad023d20ce532c8c8
SHA1:	b2c181c008fd857b0f0122dbfd05d4193654ccc2
SHA256:	932f31e907302148994f479eafe8dfbf203537491bbd586c 43190c59afa248ff
SHA512:	eb1bc3dfd845ba94e4e936b48dda25fff41fb59267593eb8 2facf9e92688ec5c0ed81d8db69855d5e39563ab8449466 b3e7cb28ba1eb25c045481283293a6a3b
SSDEEP:	3072:Or3BepJlZa/X16SU2Aara5K8EyrNRlu2mHJlZapGBR:OFiUXI15KHyrDMHP
File Content Preview:	MZ......................@...!..L.!This program cannot be run in DOS mode....$........#...B...B...B..L^...B...`...B...d...B..Rich.B..........PE..L....B.O................. ....0....@................

File Icon

Icon Hash:	f8fcd4ccf4e4e8d0

Static PE Info

General

Entrypoint:	0x4019b0
Entrypoint Section:	.text
Digitally signed:	false
Imagebase:	0x400000
Subsystem:	windows gui
Image File Characteristics:	LOCAL_SYMS_STRIPPED, 32BIT_MACHINE, EXECUTABLE_IMAGE, LINE_NUMS_STRIPPED, RELOCS_STRIPPED
DLL Characteristics:	
Time Stamp:	0x4FA642B9 [Sun May 6 09:22:01 2012 UTC]
TLS Callbacks:	
CLR (.Net) Version:	
OS Version Major:	4
OS Version Minor:	0
File Version Major:	4
File Version Minor:	0
Subsystem Version Major:	4
Subsystem Version Minor:	0
Import Hash:	e9f7dd0da1a2a1266893e1ae4ef42b67

Entrypoint Preview

Data Directories

Sections

Name	Virtual Address	Virtual Size	Raw Size	Xored PE	ZLIB Complexity	File Type	Entropy	Characteristics
.text	0x1000	0x31b94	0x32000	False	0.394462890625	data	6.41394682438	IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_CNT_CODE, IMAGE_SCN_MEM_READ
.data	0x33000	0x1290	0x1000	False	0.00634765625	data	0.0	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_WRITE, IMAGE_SCN_MEM_READ
.rsrc	0x35000	0x6d12	0x7000	False	0.482003348214	data	5.46106000111	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_READ

Resources

Imports

Version Infos

Possible Origin

Language of compilation system	Country where language is spoken	Map
English	United States	

Network Behavior

No network behavior found

Code Manipulations

Statistics

System Behavior

Analysis Process: SecuriteInfo.com.__vbaHresultCheckObj.11013.exe PID: 6556 Parent PID: 5768

General

Start time:	16:07:30
Start date:	20/07/2021
Path:	C:\Users\user\Desktop\SecuriteInfo.com.__vbaHresultCheckObj.11013.exe
Wow64 process (32bit):	true
Commandline:	'C:\Users\user\Desktop\SecuriteInfo.com.__vbaHresultCheckObj.11013.exe'
Imagebase:	0x400000
File size:	241664 bytes
MD5 hash:	C6066A473750ED5AD023D20CE532C8C8
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	Visual Basic
Yara matches:	• Rule: JoeSecurity_GuLoader_1, Description: Yara detected GuLoader, Source: 00000001.00000002.1181676924.0000000000401000.00000020.00020000.sdmp, Author: Joe Security • Rule: JoeSecurity_GuLoader_1, Description: Yara detected GuLoader, Source: 00000001.00000000.653822220.0000000000401000.00000020.00020000.sdmp, Author: Joe Security
Reputation:	low

File Activities

Show Windows behavior

Disassembly

Code Analysis

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