

Project for Software Quality Assurance (COMP 5710)

Team Members: Jie-Shi-TEAM

Team Name: Jie Shi 30 / April / 2023

# **Table of Contents**

## List of Figures

List of Tables

- 1 Part 4a Git Hook
- 2 Part 4b Fuzz.py
- 3 Part 4c Forensics
- 4 Review

Appendix A: Full Output of fuzz.py

## **List of Figures**

Figure 1: Example of making the git hook

```
DS C. Wusers Life (Deskitops of G. \pyppp\frikubeSec\NateSec-master)

S C. Vyppp\frikubeSec\NateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\nateSec\na
```

```
create mode 19064W TEST_ANTIFACTS/reall_present_dealery_yaml
create mode 19064W TEST_ANTIFACTS/sample=nfs-server_yaml
create mode 19064W TEST_ANTIFACTS/sample=nfs-server_yaml
create mode 19064W TEST_ANTIFACTS/shau_values_yaml
create mode 19064W TEST_ANTIFACTS/shau_values_yaml
create mode 19064W TEST_ANTIFACTS/start_vault_temp.yaml
create mode 19064W TEST_ANTIFACTS/start_vault_temp.yaml
create mode 19064W TEST_ANTIFACTS/start_vault_temp.yaml
create mode 19064W TEST_ANTIFACTS/tart_vault_temp.yaml
create mode 19064W TEST_ANTIFACTS/tart_vault_temp.yaml
create mode 19064W TEST_ANTIFACTS/tart_sample_pod_yaml
create mode 19064W TEST_ANTIFACTS/tart_sample_pod_yaml
create mode 19064W TEST_ANTIFACTS/tap.secu_context_miss_
create mode 19064W TEST_CANTINC.py
create mode 19064W TEST_ANTIFACTS/tap.secu_context_miss_
create mode 19064W TEST_CANTINC.py
create mode 19064W TEST_CAN
```

Figure 2: Output of 'fuzz.py' in GitHub actions

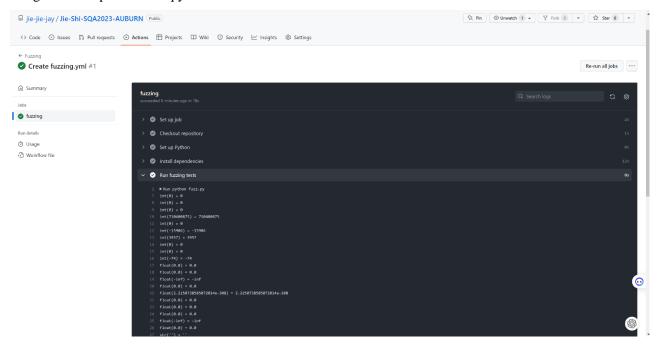


Figure 3: Example of a successful GitHub action

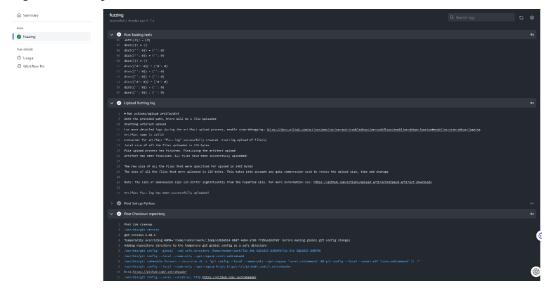


Figure 4: Logging commands

# **List of Tables**

Table 1: Output of security weaknesses from git hook

				E			G			J K			-		~	R S	-	
name	test_name	test	d issue_:	se issue_con	fissue_owe	issue_text		line_numb co	_offset e	end_col_ofline_range	e more_info							
ubeSec-master\TEST_0	Chardcoded_password_string	B105	LOW	MEDIUM	https://owe.mitre.org/data/definition	Possible hardcoded password:	TEST_ARTIFACTS/helm.values.yami*	8	22	55 [8]	https://bandit.rea	dthedocs.ic/er	/1.7.5/plugins/	b105_ha	irdcoded_pass	sword_string.htm		
beSec-master\TEST_0	Chardcoded password string	B105	LOW	MEDIUM	https://cwe.mitre.org/data/definition	Possible hardcoded password:	'TEST_ARTIFACTS/tango.values.yami'	9	22	56 [9]	https://bandit.rea	dthedocs.ic/er	v/1.7.5/plugins/	b105_ha	erdcoded pass	sword_string.htm		
beSec-master\TEST_0	Chardcoded_password_string	B105	LOW	MEDIUM	https://owe.mitre.org/data/definition	Possible hardcoded password:	TEST_ARTIFACTS/charts.values.yami/	10	22	57 [10]	https://bandit.rea	dthedocs.io/er	v1.7.5/plugins/	b105_ha	rdcoded_pass	sword_string.htm		
beSec-master\TEST (	Chardcoded password string	B105	LOW	MEDIUM	https://cwe.mitre.org/data/definition	Possible hardcoded password:	"TEST ARTIFACTS/skampi.values.yaml"	11	22	57 [11]	https://bandit.rea	dthedocs.ic/er	/1.7.5/plugins/	'b105 ha	rdcoded pass	sword string.htm		
eSec-master\TEST_0	Chardcoded_password_string	B105	LOW	MEDIUM	https://cwe.mitre.org/data/definition	Possible hardcoded password:	TEST_ARTIFACTS/minecraft.values.yami*	12	22	60 [12]	https://bandit.rea	dthedocs.io/er	v/1.7.5/plugins/	b105_ha	rdcoded_pass	sword_string.htm		
eSec-master\TEST_0	Chardcoded password string	B105	LOW	MEDIUM	https://cwe.mitre.org/data/definition	Possible hardcoded password:	'TEST_ARTIFACTS/kubect.values.yami'	13	22	57 [13]	https://bandit.rea	dthedocs.io/er	v/1.7.5/plugins/	b105 ha	rdcoded pass	aword string.htm		
beSec-master\TIST (	Chardcoded password string	B105	LOW	MEDIUM	https://cwe.mitre.org/data/definition	Possible hardcoded password:	TEST ARTIFACTS/nextcloud.values.vaml*	14	22	60 [14]	https://bandit.rea	dthedocs.io/er	v/1.7.5/plugins/	15105 ha	irdcoded pass	sword string.htm		
beSec-master\TEST_0	Chardcoded_password_string	B105	LOW	MEDIUM	https://owe.mitre.org/data/definition	Possible hardcoded password:	'TEST_ARTIFACTS/keyclook.values.yaml'	15	22	59 (15)	https://bandit.rea	dthedocs.io/er	v/1.7.5/plugins/	b105_ha	rdcoded pass	aword_string.htm		
abeSec-master\TEST (	Chardcoded password string	B105	LOW	MEDIUM	https://cwe.mitre.org/data/definition	Possible hardcoded password:	TEST ARTIFACTS/empty.yml	16	22	48 [16]	https://bandit.rea	dthedocs.io/er	v/1.7.5/plugins/	b105 ha	rdcoded pass	sword string.htm		
	Chardcoded password string				https://cwe.mitre.org/data/definition			17	22	57 [17]	https://bandit.rea		1 1					
	Chardcoded password string						TEST_ARTIFACTS/special.secret1.vami/	106	22	59 [106]	https://bandit.rea							
	nt hardcoded password string				https://cwe.mitre.org/data/definition		, , , , , , , , , , , , , , , , , , , ,	81	31	39 [81]	https://bandit.rea							
EST CONSTANTS.pv	hardcoded password string				https://cwe.mitre.org/data/definition			8	22	55 [8]	https://bandit.rea			_				
EST CONSTANTS.pv	hardcoded password string				https://cwe.mitre.org/data/definition		· ·	9	22	56 [9]	https://bandit.rea							
- ''									22	57 (10)					-			
EST_CONSTANTS.py	hardcoded_password_string				https://cwe.mitre.org/data/definition			10		. ,	https://bandit.rea							
EST_CONSTANTS.py	hardcoded_password_string				,		TEST_ARTIFACTS/skampi.values.yami*	11	22	57 [11]	https://bandit.rea					-		
EST_CONSTANTS.py	hardcoded_password_string						'TEST_ARTIFACTS/minecraft.values.yaml'	12	22	60 [12]	https://bandit.rea							
EST CONSTANTS.py	hardcoded password string				https://cwe.mitre.org/data/definition		,	13	22	57 [13]	https://bandit.rea	dthedocs.io/er	v/1.7.5/plugins/	'b105 ha	rdcoded pass	word string.htm		
EST_CONSTANTS.py	hardcoded_password_string	B105	LOW	MEDIUM	https://cwe.mitre.org/data/definition	Possible hardcoded password:	TEST_ARTIFACTS/nextcloud.values.yaml*	14	22	60 [14]	https://bandit.rea	dthedocs.io/er	v/1.7.5/plugins/	b105_ha	rdcoded_pass	word_string.htm		
EST CONSTANTS.py	hardcoded password string	B105	LOW	MEDIUM	https://cwe.mitre.org/data/definition	Possible hardcoded password:	'TEST_ARTIFACTS/keycloak,values.yaml'	15	22	59 [15]	https://bandit.rea	dthedocs.ic/er	v/1.7.5/plugins/	b105 ha	rdcoded pass	sword_string.htm		
EST_CONSTANTS.py	hardcoded_password_string	B105	LOW	MEDIUM	https://cwe.mitre.org/data/definition	Possible hardcoded password:	TEST_ARTIFACTS/empty.yml*	16	72	48 [16]	https://bandit.rea	dthedocs.io/er	v1.7.5/plugins/	b105_ha	irdcoded_pass	:word_string.htm		
EST_CONSTANTS.py	hardcoded_password_string	B105	LOW	MEDIUM	https://owe.mitre.org/data/definition	Possible hardcoded password:	'TEST_ARTIFACTS/kubect.values.yaml'	17	22	57 [17]	https://bandit.rea	dthedocs.io/er	v/1.7.5/plugins/	'b105_ha	rdcoded pass	word_string.htm		
EST_CONSTANTS.py	hardcoded_password_string	B105	LOW	MEDIUM	https://cwe.mitre.org/data/definition	Possible hardcoded password:	TEST_ARTIFACTS/special.secret1.yaml	106	22	59 [106]	https://bandit.rea	dthedocs.io/er	v/1.7.5/plugins/	b105_ha	irdcoded_pass	sword_string.htm		
onstants.py	hardcoded_password_string	B105	LOW	MEDIUM	https://owe.mitre.org/data/definition	Possible hardcoded password:	'Secret'	81	31	39 [81]	https://bandit.rea	dthedocs.ic/er	v1.7.5/plugins/	b105_h	rdcoded_pass	.word_string.htm		
ızz.py	assert used	B101	LOW	HIGH	https://cwe.mitre.org/data/definition	Use of assert detected. The end	closed code will be removed when compiling to	oş 20	12	51 [20]	https://bandit.rea	dthedocs.ic/er	/1.7.5/plugins/	b101 as	sert used.htm	J.		

#### 1 Part 4a – Git Hook

I started by installing the "Bandit" security linter and creating a pre-commit hook to report any security weaknesses in my code. This was done by navigating to the ".git/hooks" directory in my project folder, creating a new file named "pre-commit", and adding the necessary script. The script checks for security weaknesses using the Bandit tool and generates a CSV file with the results. If no weaknesses are found, the script outputs a message indicating this. If weaknesses are found, the script outputs a message with instructions on how to access the CSV file for more information.

## 2 Part 4b – Fuzz.py

I created a fuzz.py script to perform fuzz testing on the selected Python methods. The script used the Hypothesis library to generate various test inputs and applied the methods to those inputs. I utilized the given, settings, and different strategies from Hypothesis to create test cases for each method. I implemented logging in the fuzz.py script to record the inputs and outputs of each test case. This allowed me to better analyze any issues discovered during the fuzzing process. I integrated the fuzz testing script with GitHub Actions by creating a workflow file named fuzzing.yml. This workflow was configured to run whenever changes were pushed to the new-branch or when a pull request targeting the new-branch was created. And I updated the Node.js version used by GitHub Actions to resolve a warning regarding deprecated Node.js 12 actions. And I monitored the GitHub Actions results and reviewed the logs to identify any bugs or issues in the tested Python methods.

#### Learned:

- 1. I learned how to create fuzz testing scripts using the Hypothesis library and how to apply it to various Python methods.
- 2. I learned how to implement logging in my fuzz testing script to record and analyze test inputs and outputs effectively.
- 3. I gained experience in integrating fuzz testing with GitHub Actions, allowing me to automate the testing process and ensure that my code is robust and bug-free.
- **4.** I learned how to troubleshoot and resolve warnings in GitHub Actions, such as updating the Node.js version used by the environment.

### **3** Part 4c – Forensics

I started with a fuzz.py script that performed fuzz testing on the selected Python methods using the Hypothesis library. This script generated various test inputs and applied the methods to those inputs. To integrate forensics, I added logging functionality to the fuzz.py script. By importing the logging module and configuring it, I enabled the script to log the input and output data for each test case. This allowed me to collect more information about the tested functions and better analyze any potential issues discovered during the fuzzing process. I updated the fuzz.py script to include logging messages for each test case, ensuring that I captured essential details for forensics analysis. I integrated the modified fuzz testing script with GitHub Actions by updating the workflow file named fuzzing.yml. I added an additional step to upload the generated log file (fuzz.log) as an artifact, making it available for analysis and review after each GitHub Actions run. And I monitored the GitHub Actions results, downloaded the log artifacts, and reviewed the logs to identify any bugs or issues in the tested Python methods.

#### Learned:

- 1. I learned how to integrate forensics into fuzz testing by adding logging functionality to my fuzz testing script. This allowed me to collect valuable information about the inputs and outputs of the tested functions, enabling better analysis and understanding of potential issues.
- 2. I learned how to modify the GitHub Actions workflow file to include an additional step for uploading the generated log file as an artifact. This made it easy to access and analyze the log data after each fuzz testing run.
- 3. I gained experience in reviewing and analyzing log data generated during fuzz testing, helping me to identify bugs or issues in the tested Python methods more effectively.
- 4. I learned about the importance of integrating forensics into the software testing process. By collecting and analyzing log data, I can better understand the behavior of the tested functions, allowing me to improve the overall quality and reliability of my code.

### 4 Review

Despite the fact that I had previous experience with many of the activities from the workshops throughout the semester, I still managed to learn new things during this project. The most difficult part I faced was dealing with GitHub Actions. Even though I already had a basic understanding of them, getting acquainted with the inner workings of the workflow to ensure my fuzzer would run automatically proved to be a challenging process that required some experimentation.

To view my repository, simply visit the following link: https://github.com/jie-jie-jay/Jie-Shi-SQA2023-AUBURN

## Appendix A: Full Output of fuzz.py

int(-39) = -39

PS G:\pyppp\fp\KubeSec\KubeSec-master> python fuzz.py int(0) = 0int(0) = 0int(0) = 0int(0) = 0int(0) = 0int(11479) = 11479int(-1621808158) = -1621808158int(-351754287) = -351754287int(-63) = -63int(0) = 0int(-21870) = -21870int(4683370050971417985) = 4683370050971417985int(137718402991948707040842817042346652620) =137718402991948707040842817042346652620 int(-231) = -231int(0) = 0int(-518) = -518int(2293073786150886200) = 2293073786150886200int(44986116496115867) = 44986116496115867int(-12032) = -12032int(47) = 47int(64) = 64

$$int(1701449803) = 1701449803$$

$$int(-20651) = -20651$$

$$int(32420) = 32420$$

$$int(30220) = 30220$$

$$int(114) = 114$$

int(-143697714861539162990602685280130460680) = -

143697714861539162990602685280130460680

$$int(-640) = -640$$

$$int(-5606) = -5606$$

$$int(-5092) = -5092$$

$$int(-22809) = -22809$$

int(-710535993995484995) = -710535993995484995

$$int(15172) = 15172$$

$$int(59) = 59$$

$$int(-27548) = -27548$$

$$int(-107) = -107$$

$$int(11012) = 11012$$

$$int(43) = 43$$

$$int(-3) = -3$$

$$int(-2692) = -2692$$

$$int(58) = 58$$

$$int(4049) = 4049$$

$$int(-15) = -15$$

$$int(-481385475830149394) = -481385475830149394$$

$$int(50) = 50$$

$$int(85) = 85$$

$$int(648) = 648$$

int(18814) = 18814

int(73) = 73

int(-1947988039) = -1947988039

int(-1587273794) = -1587273794

int(30358) = 30358

int(-67575508463325558873212963940177566217) = -

67575508463325558873212963940177566217

int(-24780) = -24780

int(127) = 127

int(-1568248929882984426) = -1568248929882984426

int(24886) = 24886

int(97) = 97

int(-118) = -118

int(44357663061804172493507624911099564182) =

44357663061804172493507624911099564182

int(140855189855558653011320974455440894854) =

140855189855558653011320974455440894854

int(92) = 92

int(-2164362147286010244) = -2164362147286010244

int(7286461007053838816) = 7286461007053838816

int(29930) = 29930

int(16516) = 16516

int(-64) = -64

int(32297) = 32297

int(126) = 126

int(11041066447188644754663010673734815256) =

11041066447188644754663010673734815256

$$int(13642) = 13642$$

$$int(-15341) = -15341$$

int(6430080274755201038) = 6430080274755201038

$$int(-24621) = -24621$$

$$int(-872) = -872$$

$$int(3) = 3$$

$$int(-22555) = -22555$$

int(6802402722131413182) = 6802402722131413182

$$int(-70) = -70$$

$$int(-813930762) = -813930762$$

$$int(-115) = -115$$

$$int(354) = 354$$

$$int(1) = 1$$

$$int(-250290126) = -250290126$$

$$int(-30158) = -30158$$

$$int(-117) = -117$$

$$int(19720) = 19720$$

$$int(77) = 77$$

$$int(22782) = 22782$$

$$int(-88) = -88$$

$$int(98) = 98$$

$$int(-54) = -54$$

$$int(-4335) = -4335$$

$$int(-16) = -16$$

$$int(-23352) = -23352$$

int(-14291145882961658413182351334331841641) = -

14291145882961658413182351334331841641

int(4391) = 4391

int(121) = 121

int(7) = 7

float(0.0) = 0.0

float(0.0) = 0.0

float(2.2250738585072014e-308) = 2.2250738585072014e-308

float(0.0) = 0.0

float(-3.436942122986543e-224) = -3.436942122986543e-224

float(0.0) = 0.0

float(-1.1754943508222875e-38) = -1.1754943508222875e-38

float(0.0) = 0.0

float(-6.103515625e-05) = -6.103515625e-05

float(0.0) = 0.0

float(0.0) = 0.0

float(1.1532269453862838e+178) = 1.1532269453862838e+178

float(-181379763491987.0) = -181379763491987.0

float(181379763491987.0) = 181379763491987.0

float(1.1532269453850788e+178) = 1.1532269453850788e+178

float(2.273060334455596e+64) = 2.273060334455596e+64

float(4.974860208809916e+242) = 4.974860208809916e+242

float(-1.175494351e-38) = -1.175494351e-38

float(0.0) = 0.0

float(inf) = inf

float(0.0) = 0.0

float(-1.9) = -1.9

float(inf) = inf

float(0.0) = 0.0

float(-6.103515625e-05) = -6.103515625e-05

float(0.0) = 0.0

float(inf) = inf

float(0.0) = 0.0

float(2.00001) = 2.00001

float(-3.843902540445236e+16) = -3.843902540445236e+16

float(738286460302479.0) = 738286460302479.0

float(738286460302479.0) = 738286460302479.0

float(10000000.0) = 100000000.0

float(-0.5) = -0.5

float(9.066612860987508e-243) = 9.066612860987508e-243

float(1.7976931348623157e+308) = 1.7976931348623157e+308

float(1.7976931348623157e+308) = 1.7976931348623157e+308

float(-2.225073858507203e-309) = -2.225073858507203e-309

float(inf) = inf

float(5e-324) = 5e-324

float(-1.1) = -1.1

float(-1.1) = -1.1

float(1e-05) = 1e-05

float(-5.750787780272902e+16) = -5.750787780272902e+16

float(-inf) = -inf

float(-6.103515625e-05) = -6.103515625e-05

float(0.0) = 0.0

float(0.0) = 0.0

float(-2.225073858507203e-309) = -2.225073858507203e-309

float(0.0) = 0.0

float(7.075908598878792e+16) = 7.075908598878792e+16

float(2.8751153895200896e+16) = 2.8751153895200896e+16

float(5e-324) = 5e-324

float(2.220446049250313e-16) = 2.220446049250313e-16

float(-1.827102109746945e+16) = -1.827102109746945e+16

float(-1.827102109746945e+16) = -1.827102109746945e+16

float(-4.340297249901799e+16) = -4.340297249901799e+16

float(-1.5885252397727178e+126) = -1.5885252397727178e+126

float(-1.5885252397727178e+126) = -1.5885252397727178e+126

float(-5.206607255833916e+16) = -5.206607255833916e+16

float(-2.197062345237975e+16) = -2.197062345237975e+16

float(-1.1125369292536007e-308) = -1.1125369292536007e-308

float(0.5) = 0.5

float(-2.225073858507e-311) = -2.225073858507e-311

float(-2.225073858507e-311) = -2.225073858507e-311

float(-2.2250738585072014e-308) = -2.2250738585072014e-308

float(0.5) = 0.5

float(-5e-324) = -5e-324

float(2.00001) = 2.00001

float(1.401298464324817e-45) = 1.401298464324817e-45

float(1.192092896e-07) = 1.192092896e-07

float(5.502504646571906e+16) = 5.502504646571906e+16

float(-inf) = -inf

float(6.103515625e-05) = 6.103515625e-05

float(inf) = inf

float(-1.1) = -1.1

float(-1.1) = -1.1

float(0.99999) = 0.999999

float(0.99999) = 0.999999

float(9007199254740992.0) = 9007199254740992.0

float(1.1458350206854388e+16) = 1.1458350206854388e+16

float(0.99999) = 0.99999

float(-inf) = -inf

float(-10000000.0) = -10000000.0

float(-2.3633787383326325e-132) = -2.3633787383326325e-132

float(6.174447956145954e+16) = 6.174447956145954e+16

float(-2.1157309535032793e-132) = -2.1157309535032793e-132

float(-3.150725624966981e+16) = -3.150725624966981e+16

float(3.150725624966981e+16) = 3.150725624966981e+16

float(3.000013974718901e+16) = 3.000013974718901e+16

float(2.225073858507e-311) = 2.225073858507e-311

float(inf) = inf

float(-1.7976931348623157e+308) = -1.7976931348623157e+308

float(-5.404319552844595e+16) = -5.404319552844595e+16

float(-1.797693134862265e+308) = -1.797693134862265e+308

float(1.797693134862265e+308) = 1.797693134862265e+308

str(") = "

str('0') = '0'

str('0') = '0'

str(") = "

str('0') = '0'

```
str('0') = '0'
str('0') = '0'
str('\ddot{O}') = '\ddot{O}'
str('0') = '0'
str('0') = '0'
str('0') = '0'
str(\U000c9847\&\ddot{o}\U00091b08\x99') = \U000c9847\&\ddot{o}\U00091b08\x99'
str(\ddot{o}\ddot{O}\U000a51e0vd\ddot{O}\x8b\%\x8d\x9cX\x1c}\x83 \ll A 巉 \mathring{a};') =
'öÖ\U000a51e0vdÖ\x8b%\x8d\x9cX\x1c}\x83«A巉å;'
str('1V\mathring{A}\tilde{o}') = '1V\mathring{A}\tilde{o}'
str('1V\mathring{A}\tilde{o}') = '1V\mathring{A}\tilde{o}'
str('1') = '1'
str('11 ) = '11 
str('1\U00010e01\times LN\U000423c6C\U000a2400'\dot{U}\x85\ddot{U}\x9b\U000c2072\x9e\$') =
\label{eq:condition} $$'1\U00010e01\times LN\U000423c6C\U000a2400'\dot{U}\x85\ddot{U}\x9b\U000c2072\x9e\$$'
str('1\U00010e01'LN\U000423c6C\U000a2400'\dot{U}\x85\ddot{U}\x9b\U000c2072\x9e\$') =
'1\U00010e01'LN\U000423c6C\U000a2400'\\x85\U\x9b\U000c2072\x9e\$'
str('<') = '<'
str('\U000914e2î\U000768a9') = '\U000914e2î\U000768a9'
str(\xadv \times \xad \U00060a35 \U0010b9ca') = \xadv \times \xad \U00060a35 \U0010b9ca'
str('\xadv \times \xad\U00060a35\U0010b9ca') = '\xadv \times \xad\U00060a35\U0010b9ca'
str('U0004ea43)U00056588') = 'U0004ea43)U00056588'
str('嗟ú') = '嗟ú'
str('夏') = '夏'
str('\square = \U00071cb0\x11B') = '\square = \U00071cb0\x11B'
```

```
str('\U000e6000\U0005dc89U\%z\x93\U000e90fcs\U000f9651P') =
\U000e6000\U0005dc89U\%z\x93\U000e90fcs\U000f9651P'
str('U0010185f\cdot') = 'U0010185f\cdot'
str('L?\cdot') = 'L?\cdot'
str('??·') = '??·'
str('?\cdots') = '?\cdots'
str('\cdots') = '\cdots'
\label{localization} $$\U00101db9\U000ffcf0qq@`\x82W\n\U0007be49x\U000b674dU5A'$
str('U000c3a2a\hat{I}') = 'U000c3a2a\hat{I}'
str('\U000e0f01') = '\U000e0f01'
str('9\x9cb\U000460a0\xspace) = '9\x9cb\U000460a0\xspace) = '9\x9cb\U000460a0\xspace) = '9\xspace) = '9\xsp
str('U0006256f¢') = 'U0006256f¢'
str('\U000aa4fd \rightarrow \U0009e121 \mbox{my} \mbox{N}+') = '\U000aa4fd \rightarrow \U0009e121 \mbox{my} \mbox{N}+'
str('umé.i;') = 'umé.i;'
str('u') = 'u'
str('uu`') = 'uu`'
str('uu' wv @ U0005a826e') = 'uu' wv @ U0005a826e'
str('uu`') = 'uu`'
str('uu`') = 'uu`'
str('o:U') = 'o:U'
\U000b1055r\x18w^{-}.\x03_5'
str('U000720b4T') = 'U000720b4T'
str('\U000720b4寘') = '\U000720b4寘'
str(\U000720b4\U000720b4') = \U000720b4\U000720b4'
str(\U000720b4\U000720b4\x10\x82>') = \U000720b4\U000720b4\x10\x82>'
                                                                                                                                                                                                    Page 20 of 48
```

```
str(\U000720b4\U000720b4\x10\ ) = \U000720b4\U000720b4\x10\ ) = \U000720b4\
str(\U000720b4\U000720b4\x103') = \U000720b4\U000720b4\x103'
str(\U000720b4\U000720b4\x101') = \U000720b4\U000720b4\x101'
str('U000bbcc0J^-') = 'U000bbcc0J^-'
str('\U0009cd30\U00076f88\U000ac470') = '\U0009cd30\U00076f88\U000ac470'
str('\U00076f88\U00076f88\U000ac470') = '\U00076f88\U00076f88\U000ac470'
str('\U0005c1ee,u') = '\U0005c1ee,u'
str(\U0008397d\x021\U000a7a2a') = \U0008397d\x021\U000a7a2a'
str(\mu \hat{I} U0006c85f\frac{1}{2}) = \mu \hat{I} U0006c85f\frac{1}{2}
str(\U0006e198!\x1ba\U000de721\x90V\x1e') =
\U0006e198!\x1ba\U000de721\x90V\x1e'
str('s') = 's'
str('0^2') = '0^2'
str('00\x95\x00') = '00\x95\x00'
str('.P\x03°P') = '.P\x03°P'
str('5P\x03°P') = '5P\x03°P'
str('55\x03^{\circ}P') = '55\x03^{\circ}P'
str('5') = '5'
str('a)U00071451\dot{u}x01^1\ddot{o}c/U0009f03f') = 'a/U00071451\dot{u}x01^1\ddot{o}c/U0009f03f'
str(p\&\hat{u} \times 10 \times 9b0 \times 88 \times 00034e3b) \& \tilde{o} \times 8b \& \tilde{x} \times 10000b2659 \times 20 \times 97 \times 100005529
7噉')=
'pßú`\x10\x9b0\x88\U00034e3b»&õ\x8b¢XÍ\U000b2659\xa0\x97\t□\U00055297噉'
str('p\beta\acute{u}\x10\x9b0\x88\U00034e3b) \&\~o\x8b¢X\'1\U000b2659\xa0\x97\t\Box\U0005529
7噉')=
'pßú`\x10\x9b0\x88\U00034e3b»&õ\x8b¢XÍ\U000b2659\xa0\x97\t□\U00055297噉'
str('U000b210d\dot{U}-') = 'U000b210d\dot{U}-'
str('U000bf633') = 'U000bf633'
                                                                             Page 21 of 48
```

```
str(\U0006021b, W\U0001bd7a\U00103fa2') =
\U0006021b, W\U0001bd7a\U00103fa2'
str(\U0006021b, W\U0001bd7a\U00103fa2') =
\U0006021b, W\U0001bd7a\U00103fa2
str('\U000815ff') = '\U000815ff'
str('\U000815ff\x9a\x81u\U0006b322\grave{U}\x0e^\U000f755b\x9o\grave{I}\U00079a5f\U000523
e6à|È') =
ΙÈ'
str('\U00053d60\r\U00103ff4H±fë*鰁B\$\U00083216óú\\^\)=
"\U00053d60\r\U00103ff4H±fë*鰁B\$\U00083216óú\*\"
str('\U00105c84å稃') = '\U00105c84å稃'
str('xa0') = 'xa0'
str('1\x99M\U000975aa\U00038a71\neg M') = '1\x99M\U000975aa\U00038a71\neg M'
str('*') = '*'
0f3f9fNb\U00109c36\sim\x04\hat{A}\ddot{y}\acute{u}P7Y(\U000a21e8') =
'*\U0009e20d\x96\\U000784e4\U0007ec73A/9Í\U000caff2\x9c\x82Ý\x96Ï\\U000f3
f9fNb\U00109c36~\x04ÂÿúÞ7Y(\U000a21e8'
str('*Y\x96|\U000784e4\U0007ec73A/9I\U000caff2\x9c\x82Y\x96I\U000f3f9fNb\)
U00109c36 \sim x04 \hat{A} \ddot{y} \acute{u} P7Y (\U000a21e8') =
"Y\x96!\U000784e4\U0007ec73A/9\'1\U000caff2\x9c\x82\'1\x96\"1\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f3f9fNb\U000f4f9fNb\U000f4f9fNb\U000f4f9fNb\U000f4f9fNb\U000f4f9fNb\U000f4f9fNb\U000f4f9fNb\U000f4f9fNb\U000f4f9fNb\U000f4f9fNb\U000f4f9fNb\U000f4f9fNb\U000f4f9fNb\U000f4f9fNb\U000f4f9fNb\U000f4f9fNb\U000f4f9fNb\U000f4f9fNb\U000f4f9fNb\U000f4f9fNb\U000f4f9fNb\U000f4f9fNb\U000f4f9fNb\U000f4f9fNb\U000f4f9fNb\U000f4f9fNb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f9Nb\U000f4f
109c36~\x04ÂÿúÞ7Y(\U000a21e8'
str('J7') = 'J7'
str('|Z\setminus U0009aeeb\setminus x85') = '|Z\setminus U0009aeeb\setminus x85'
str('0Z\U0009aeeb\x85') = '0Z\U0009aeeb\x85'
str('\U0009f242') = '\U0009f242'
```

```
str('U000c8460') = 'U000c8460'
str('荶\U000a907e') = '荶\U000a907e'
str(\ddot{a}\hat{l}) = str(\ddot{a}\hat{l}
'äÎ̤v\U00058efev\x142Q\x88\U000714bdÞÌ\x87Õ\x8c'
str('x98Wx07') = 'x98Wx07'
str('2W \setminus x07') = '2W \setminus x07'
str('Y)\x12權') = 'Y)\x12權'
str('\x12)\x12權') = '\x12)\x12權'
str(\dot{E}\x14\x97r\x95\x8b\x08') = \dot{E}\x14\x97r\x95\x8b\x08'
str('4/æ雄(\U0010311bswJ\x9d«7r\U000461ebßúJ\xad') = '4/æ雄
(U0010311bswJ\x9d\x7r\U000461eb\beta\ud\xad'
str(\U00048ed1\times\hat{A}^{3}[') = \U00048ed1\times\hat{A}^{3}[']
str('U00048ed1') = 'U00048ed1'
list([]) = []
list([0]) = [0]
list([]) = []
list([0]) = [0]
list([-18135]) = [-18135]
list([111, 67, 48, 8827, 19154, -23734]) = [111, 67, 48, 8827, 19154, -23734]
list(913597224, -5316, -7816, 21394, -30538) = (913597224, -5316, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, 21394, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -7816, -781
-30538]
```

Page 23 of 48

list(913597224, -30538, -7816, 21394, -30538)) = [913597224, -30538, -7816, -21394, -30538] list([-1388054809]) = [-1388054809]list([-7800294762277466567, -98853351341042728506137126774046028069, 1559598520]) = [-7800294762277466567, -98853351341042728506137126774046028069, 15595985201 list([-5856, -14614, 12783, -44, 26392, 18465, -109, -81, 3393368504693651636, 20090]) = [-5856, -14614, 12783, -44, 26392, 18465, -109, -81, 3393368504693651636, 20090] list([-40, -549611472682748269, 1581997132, 21104]) = [-40, -549611472682748269, 1581997132, 21104]) = [-40, -549611472682748269, 1581997132, 21104]) = [-40, -549611472682748269, 1581997132, 21104]) = [-40, -549611472682748269, 1581997132, 21104]) = [-40, -549611472682748269, 1581997132, 21104]) = [-40, -549611472682748269, 1581997132, 21104])549611472682748269, 1581997132, 21104] list([-40, -549611472682748269, 1581997132, 21104]) = [-40, -100]549611472682748269, 1581997132, 21104] list([-30939, -12717]) = [-30939, -12717]list([-12717, -12717]) = [-12717, -12717]list([-121, 30318, 5304, 18764, 24108, -2793709654298226305, -23220, -77, -21669, 1954199761893490576]) = [-121, 30318, 5304, 18764, 24108, -2793709654298226305, -23220, -77, -21669, 1954199761893490576] list([-23220, 30318, 5304, 18764, 24108, -2793709654298226305, -23220, -77, -21669, 1954199761893490576]) = [-23220, 30318, 5304, 18764, 24108, -2793709654298226305, -23220, -77, -21669, 1954199761893490576] list([-90, -144245402953187457, -3, 18764, 24108, -2793709654298226305, -23220, -77, -21669, 1954199761893490576]) = [-90, -144245402953187457, -3, 18764, 24108, -2793709654298226305, -23220, -77, -21669,

list([10, 62, -1113208835474954089, -28175]) = [10, 62, -1113208835474954089, -28175])

1954199761893490576]

28175]

Page **24** of **48** 

list([27819, 24273, 6860820930769394171, 84, -76, 20222, -5, -7900, 4096,

17280805536696499458588961385912836918, 4990990383494381158, 28870,

7936, 1967801044, 10360, -14646, 7436, -7012, -94, 4991]) = [27819, 24273,

6860820930769394171, 84, -76, 20222, -5, -7900, 4096,

17280805536696499458588961385912836918, 4990990383494381158, 28870,

7936, 1967801044, 10360, -14646, 7436, -7012, -94, 4991]

list([101, 4584, -97282251380234114826320768925023647782]) = [101, 4584, -97282251380234114826320768925023647782])

97282251380234114826320768925023647782]

list([-25859, 4584, -97282251380234114826320768925023647782]) = [-25859, -97282251380234114826320768925023647782])

4584, -97282251380234114826320768925023647782]

list([-25859]) = [-25859]

list([-25859, -25859, 102, -9850, 16036]) = [-25859, -25859, 102, -9850, 16036]

list([30778, -37, -5576216991921579745, 118, -25993, -6580170632297371439, -

16196679852330500599563441643645013726]) = [30778, -37, -

5576216991921579745, 118, -25993, -6580170632297371439, -

16196679852330500599563441643645013726]

list([-96, 11061, 1568388681, -29834, -19799, 567084655]) = [-96, 11061,

1568388681, -29834, -19799, 567084655]

list([18304]) = [18304]

list([-961837264, -3531167647114572423,

3531167647114572423, 34360722624659696584825750887250343522, 56, -31, - 23235]

list([-8552578, 14916, -541276938619224217, 47, 37, 25231416, -31, -23235]) = [-

8552578, 14916, -541276938619224217, 47, 37, 25231416, -31, -23235]

list([0, -72121657778602119, -33903112479317665805854745547029938688, 56, -

31, -23235) = [0, -72121657778602119, -

```
33903112479317665805854745547029938688, 56, -31, -23235]
list([12260, 16350, 7484, 47, 69, -265043604850808475, -20267, -958]) = [12260, 16350, 7484, 47, 69, -265043604850808475, -20267, -958])
16350, 7484, 47, 69, -265043604850808475, -20267, -958]
list([-14041, 32744, 14576, 136240045310724210209868207969065551622, -
10271, 10108, -1523760858, -26757, -30547, -30, -17, 95, 28, 23901, -5618, 1808])
= [-14041, 32744, 14576, 136240045310724210209868207969065551622, -10271,
10108, -1523760858, -26757, -30547, -30, -17, 95, 28, 23901, -5618, 1808]
list([20515]) = [20515]
list([20515, 20515, -26404, -804, 90, -23792, 64]) = [20515, 20515, -26404, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, -804, 
90, -23792, 64]
list([-1170898756, -29265]) = [-1170898756, -29265]
list([12922]) = [12922]
list([12922, 7238]) = [12922, 7238]
list([12922, 7238]) = [12922, 7238]
list([30190]) = [30190]
list([2070325252, 10, 15643]) = [2070325252, 10, 15643]
list([123, 0]) = [123, 0]
list([-22590, -23456, -24049, 24669112097856723440169232953085182105, -
8517]) = [-22590, -23456, -24049, 24669112097856723440169232953085182105, -
8517]
list([-11341, 16448, 888077513, -2, -23335, 29022]) = [-11341, 16448, 888077513, -2, -23335, 29022])
-2, -23335, 29022]
list([-25535, -29993, -20830, -98, -57]) = [-25535, -29993, -20830, -98, -57]
list([13310, 10871]) = [13310, 10871]
list([32259, 10871]) = [32259, 10871]
list([-18595, 10721, -9337, -93, 30474, 15]) = [-18595, 10721, -9337, -93, 30474, 15]
list([-18035, 10031, 109870955403635324630824434617145373451, 96, -
```

1173045311, 6092, 94) = [-18035, 10031,

109870955403635324630824434617145373451, 96, -1173045311, 6092, 94]

list([-25185984947307736942927631673819235489, 90, -7024, -590, 1577237773,

-29154) = [-25185984947307736942927631673819235489, 90, -7024, -590,

1577237773, -29154]

list([-25185984947307736942927631673819235489, 90, -7024, -590, 1577237773,

-29154]) = [-25185984947307736942927631673819235489, 90, -7024, -590,

1577237773, -29154]

list([317891822, 8813, -1185, 90, -7024, -590, 1577237773, -29154]) = [317891822, -7024, -7

8813, -1185, 90, -7024, -590, 1577237773, -29154]

list([-44, 86, -8964, 29664, 1528433032, 30575]) = [-44, 86, -8964, 29664, 1528433032, 30575])

1528433032, 30575]

list([1010126404, 20214]) = [1010126404, 20214]

list([29569]) = [29569]

list([29569, -4810, 5307515931670977042, -

8719697781786758380499322196036914777, 5365, 12226, 10392, 1060, -11519,

6246, -2760, -4244775724529026560, -31779, -1812564857, -1361562640]) =

[29569, -4810, 5307515931670977042, -

8719697781786758380499322196036914777, 5365, 12226, 10392, 1060, -11519,

6246, -2760, -4244775724529026560, -31779, -1812564857, -1361562640]

list([-25]) = [-25]

list([0]) = [0]

list([0, -16414]) = [0, -16414]

list([0, -16414, 35, 26782, 28179]) = [0, -16414, 35, 26782, 28179]

list([-21331, -15216, -11325, 6717]) = [-21331, -15216, -11325, 6717]

list([-72, -30347, -4820954239933622127, -4192, 210, -1630516022, -18537, -

310817319, -3, 27257, -25362, -5, -6854, 94, 23, 14690, -6158, -11418, -13220]) =

[-72, -30347, -4820954239933622127, -4192, 210, -1630516022, -18537, -

310817319, -3, 27257, -25362, -5, -6854, 94, 23, 14690, -6158, -11418, -13220]

list([41, -15, -8431]) = [41, -15, -8431]

list([41, -15, -8431]) = [41, -15, -8431]

list([-1591482866]) = [-1591482866]

list([-1591482866, 7366, -17206, 2771, 11, -11207, 21996, 4912972434400995653,

23]) = [-1591482866, 7366, -17206, 2771, 11, -11207, 21996,

4912972434400995653, 23]

list([6316674392889226576155729604264712495, -29684, -32378, 10025]) =

[6316674392889226576155729604264712495, -29684, -32378, 10025]

list([-14579, -2031523195, -168083004244779650833216101494979948800,

581896938, 17767, -2188, 17131, 44, -71, -2275, 7437, -24029]) = [-14579, -

2031523195, -168083004244779650833216101494979948800, 581896938, 17767,

-2188, 17131, 44, -71, -2275, 7437, -24029]

list([-1, -3221, 26712]) = [-1, -3221, 26712]

list([-20527, 21658, -8164295892684833852, 6218, -21976, -91,

164332855301124919604200140568071665348, 24869, -62, -65, 28145, 102, 127,

111, 14168, 19016, 5706]) = [-20527, 21658, -8164295892684833852, 6218, -816429589268483862, -8164295892684864, -8164295892684864, -816429586684, -8164295866, -816429586, -8164296, -8164406, -81

21976, -91, 164332855301124919604200140568071665348, 24869, -62, -65, 28145,

102, 127, 111, 14168, 19016, 5706]

list([9865, -10940, 20983, 29, -6433466211141065777, 10227, -66, -15360, 1, -

25800, -75, -1193829528, 19200, -59]) = [9865, -10940, 20983, 29, -

6433466211141065777, 10227, -66, -15360, 1, -25800, -75, -1193829528, 19200, -59]

list([7967, -15325, 26343, 26052, -32536, 29510, 32763, 5646]) = [7967, -15325, -153

26343, 26052, -32536, 29510, 32763, 5646]

list([436230190, 1626]) = [436230190, 1626]

```
list([-23026, 26802, 1378911005, 38, -
126055216149047236272734895851728420211, -5184, -22]) = [-23026, 26802, -23026, 26802, -23026, 26802, -23026, 26802, -23026, 26802, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, -23026, 
1378911005, 38, -126055216149047236272734895851728420211, -5184, -22]
list([-39411652688521751924546510394591645872]) = [-
39411652688521751924546510394591645872]
list([-39411652688521751924546510394591645872, -109]) = [-1091]
39411652688521751924546510394591645872, -109]
list([-39411652688521751924546510394591645872, -
39411652688521751924546510394591645872]) = [-
39411652688521751924546510394591645872, -
39411652688521751924546510394591645872]
list([5367, -3992, 8738, -6478274010883878951, -24505, -2068319649, -10155, -
72]) = [5367, -3992, 8738, -6478274010883878951, -24505, -2068319649, -10155,
-72]
list([-20, -261653248, 8738, -6478274010883878951, -24505, -2068319649, -10155,
[-72] = [-20, -261653248, 8738, -6478274010883878951, -24505, -2068319649, -
10155, -72]
list([102858628461663037106918871869586707685, 123, 25414, -32406, -24,
12249, -120, 8386, -11, -24, -126, 86, 6875, -20424, -32, -5350356206258758043])
= [102858628461663037106918871869586707685, 123, 25414, -32406, -24, 12249,
-120, 8386, -11, -24, -126, 86, 6875, -20424, -32, -5350356206258758043]
list([15260, -27228, -27243, 29240, -114, 7547420237122950898, 13627]) = [15260, -27228, -27243, 29240, -114, 7547420237122950898, 13627])
-27228, -27243, 29240, -114, 7547420237122950898, 13627]
list([52]) = [52]
list([52, -20769, -11, -1786213271, 169870846528466522084380649290417482454,
-20802, 1842908571201991092, 38, -126, 22685 = [52, -20769, -11, -1786213271,
169870846528466522084380649290417482454, -20802, 1842908571201991092,
```

```
38, -126, 22685]
list([52, -20769, -11, -1786213271, 169870846528466522084380649290417482454,
-20802, 1842908571201991092, 38, -126, 22685 = [52, -20769, -11, -1786213271,
169870846528466522084380649290417482454, -20802, 1842908571201991092,
38, -126, 22685]
list([-19092]) = [-19092]
list([1588116942, 27097, 21807, 566125112502555729, -7]) = [1588116942, 27097, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807, 21807
21807, 566125112502555729, -7]
list([24086, 30723, -12]) = [24086, 30723, -12]
list([24086, 30723, -12]) = [24086, 30723, -12]
list([24086, 0]) = [24086, 0]
list([0, 0]) = [0, 0]
list([94973406325314925579031235449647821819,
78238593452063882656245628401837014252, 170653257, 122, -29388, -14017,
6464, -70, -29365, -28970, -3955, 21290, 8384, -20132, -40]) =
[94973406325314925579031235449647821819,
78238593452063882656245628401837014252, 170653257, 122, -29388, -14017,
6464, -70, -29365, -28970, -3955, 21290, 8384, -20132, -40]
list([21332, -14316, -116, -756665493, -17671, 32313, -6099, -5293]) = [21332, -6099, -5293]) = [21332, -6099, -5293])
14316, -116, -756665493, -17671, 32313, -6099, -5293]
list([21332, -14316, -116, -756665493, -17671, 32313, -6099, -5293]) = [21332, -17671, 32313, -6099, -5293])
14316, -116, -756665493, -17671, 32313, -6099, -5293]
list([-828, 6146]) = [-828, 6146]
22694, -20560, -19367, -8199, 15, 24981, 1341]
dict(\{\}) = \{\}
dict(\{":0\}) = \{":0\}
```

```
dict(\{":0\}) = \{":0\}
dict(\{":0\}) = \{":0\}
dict(\{":0\}) = \{":0\}
dict(\{":0\}) = \{":0\}
dict(\{\}) = \{\}
dict(\{'0':0\}) = \{'0':0\}
dict(\{":0\}) = \{":0\}
dict(\{'0':0\}) = \{'0':0\}
dict(\{":0\}) = \{":0\}
dict({'Ô黏y': 72, '~~\&\x80p\:\x9f\x89\\U000d8376\x8c; ': -4552, '': -8846, '颸':
156025062450228808988111745321451549312, 'Ey_\x89': 23, 'ú7\U00034426õér':
-6, '\x83R\x12\x90lë.\U000cb14b\\x02': -476559671, 'Lo\\U000ed990p\\delta\delta':
15103}) = {'Ô黏y': 72, '~~\&\x80p\:\x9f\x89\\U000d8376\x8c;\': -4552, '': -8846,
'興': 156025062450228808988111745321451549312, 'Ey_\x89': 23,
'ú7\U00034426õér': -6, '\x83R\x12\x90lë.\U000cb14b\\x02': -476559671,
'Lo¶\U000ed990pÃð': 15103}
dict({'\U000de7c0ë2\text{\text{\text{U}}': 19257, 'l': -3384,
\tilde{V} \times 9a^2 \times 9f \times 90 = \tilde{V} \times 9c \times 01 \times 8c^2 \times U \times 9e \times 10004862c^2 \times 18': 109}) = {'\U000de7c0\(\text{e}2\)\(\text{F}'\):
19257, 'l': -3384, '\tilde{N}x9a<sup>2</sup>\x9f\x90\\eartin{8}e\x01\x8c\'\~\U\x9e\U0004862cî\x18': 109}
dict(\{'|\U0001425cOu\U00059f43': -319983933\}) = \{'|\U0001425cOu\U00059f43': -319983933\}) = \{'|\U0001425cOu\U00059f43': -319983933\}
-319983933}
dict(\{'Y\setminus x80\setminus x93': 29761, ": -25599, 'P\setminus x8co': -6306\}) = \{'Y\setminus x80\setminus x93': 29761, ": -6306\}
25599, 'P\x8có': -6306}
dict({'ÅC': 6691, ": -2772, 'D营*\x9f£I18ñ\x96': -
x8cx9dx871'x03\{U0001dfe7\{": -9769, "U000a490c": 20434, "x17": 4743\}) =
```

```
{'ÅÇ': 6691, ": -2772, 'D营*\x9f£I18ñ\x96': -
\label{eq:condition} $$ x8c x9d x871' x03 \{ U0001dfe7 \{ ": -9769, "U000a490c" : 20434, "\x17" : 4743 \} $$
dict({'\r': -29633, \\U000d6b47\U0007802c\x8b\\\U': 14068, \\x10\x9f\\\\\ 27224,
"?v\ddot{U}q76\ddot{E}w": -5362477828559235398, ": 7834) = {'\r': -29633, ": 7834}
'\U000d6b47\U0007802c\x8b\U': 14068, '\x10\x9f\A': 27224, '?v\Uq7\6\Ew': -
5362477828559235398, ": 7834}
dict(\{ \ddot{u} + U000936bat \times a0 \setminus U000f5e142 : -16328, \dot{a} \ \ddot{a} \ \ddot{a
'%\x9aV\x1bZ\U000944e0\x84\x92#lÊ®ĐY': 8, 'P\
'¿]\U000ca844g\x19\U0006670c\e': -13301, "\x97': 8,
"\tilde{O}^-\x15g^{\dot{A}}\u0005348e4\x04\u0007ddb3\ddot{U}=\x8c\x1d\u000d0170B\x87Y\u000f1
18707, '%\x9aV\x1bZ\U000944e0\x84\x92#lÊ®ĐY': 8, 'b\U00090123\x95Îg-': -12,
-13301, "\x97': 8,
"\tilde{O}^-\x15g^A\U0005348e4\x04\U0007ddb3\ddot{U}=\x8c\x1d\U000d0170B\x87Y\U000f1
883': -20665}
4114, '\x9b\x0e\x8d': -127, '\xa0\x18î\U000e2062\U000d0c07à9簑Í\U000960db': -
30, ": -70136441588053383138494133048549152112, '\U0007d3d9´@\x0cA': -
278458770, '\U000c780aà¢;.': 73,
'a\U0004d5f9T.p\x89N\U000bfaafÿ\U000b45c4ï\r': 90, '\x1a\(\)E6kA6d<\x94O.': 85,
3566941456489509576, '\x1a\U00075fcc>:Y\x0c': 1038,
'\Box o \neg U000f37adQ \cup U00081e165 \times 0cF \times 95\% \times 80': 12727, '\\': -30103, '2': -56\}) = 0
```

```
 ''asFÝ\U00096eb0ð¶\#\x0c': 21337, ';\U0003a86c': -1, '\U0008e206B\Ci: -4114, '\U008e206B\Ci: -4114, '\U0008e206B\Ci: -4114, '\U0008B\Ci: -4114, '\U000B\Ci: -4114, '\U000B\Ci: -4114, '\U000B\Ci: -4114, '\U000B\Ci: -4114, '\U000B\Ci: -4114, '\U00B\Ci: -4114
"\x9b\x0e·\x8d': -127, "\xa0\x18î\U000e2062\U000d0c07à9辍Í\U000960db': -30, ": -
70136441588053383138494133048549152112, '\U0007d3d9'@\x0cA': -278458770,
\\\U000c780a\delta\epsi_i: 73, \'a\\\U0004d5f9T.p\\x89N\\U000bfaaf\tilde{v}\\\U000b45c4\tilde{i}\r': 90,
'\x1a\(\)6kA6d<\\x94O.': 85,
3566941456489509576, '\x1a\U00075fcc>:Y\x0c': 1038,
'□o¬\U000f37adQ\U00081e165\x0cF\x95¾\x80': 12727, '\\': -30103, '2': -56}
dict(\{'i\x9c\ddot{U}\x0b\x92\U00074afev\hat{I}': 829768096,
'caáx9dxx9ex0fU000bb1b0U0005ec046~OOx1cx1dàx943Cx0e': 76,
\U00059975': -20173, \tilde{n}_{c}\times11\times8e\U0001a7b9^{1}\tilde{O}': -31364) =
 {'i\x9cÜ\x0b\x92\U00074afevÎ': 829768096,
'caáx9dxx9ex0fU000bb1b0U0005ec046~OOx1cx1dàx943Cx0e': 76,
\\\U00059975\': -20173, \'nc\\x11\\x8e\\U0001a7b9\'\O'\: -31364\\
dict(\{": -80, ')\text{Å}\setminus x81': 7041, '\setminus x14\emptyset\hat{O}': -95, 'Y@': -119\}) = \{": -80, ')\text{Å}\setminus x81': 7041, '\distance x14\distance x21': -80, '\distance x31': 7041, '\distance x14\distance x31': -80, '\distance x31': 7041, '\distance x14\distance x31': -80, '\distance x31': 7041, '\distance x14\distance x31': -80, '\distance x31': -80, '\distance x31': 7041, '\distance x14\distance x31': -80, '\distance x31': -80, '\distan
'\x14\\(\phi\)\colon': -95, 'Y\\(\phi\)': -119}
dict(\{": 7041, ')\mathring{A} \times 81': 7041, ' \times 14 \varnothing \mathring{O}': -95, 'Y \varnothing': -119\}) = \{": 7041, ')\mathring{A} \times 81': 7041, '
'\x14\\(\righta\)\(\righta\)': -95, 'Y\\(\righta\)': -119}
dict(\{": -27, '2': 50356867, ": -3, '12\hat{O}': -95, 'Y@': -119\}) = \{": -27, '2': 50356867, ": -3, '12\hat{O}': -95, 'Y@': -119\})
-3, '12Ô': -95, 'Y@': -119}
dict({'#': 21287, 'ç\x99\x0e-': 110, 'J\U0006304b\U000d0c6eÂÇOt7,[Ö\t\x1b\x12': -
16964) = {'#': 21287, 'ç\x99\x0e-': 110,
'J\U0006304b\U000d0c6eÂÇOt7,[Ö\t\x1b\x12': -16964}
30107, '\U000a1956': -82, '\u00da\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u00e4\u0
dict(\{": -72\}) = \{": -72\}
dict({": -16, '\x0b': -4211298107305119547, 'IY': 4222, '遊
```

```
\U000e2bc2d\U000e4447@3+\£\x7f1C': 2226566938762648114, '\U000386b2\A': -
59, \\U00047350·\': 1134214373,
4211298107305119547, 'IY': 4222, '遊\U000e2bc2d\U000e4447©3+£\x7f1C':
2226566938762648114, '\U000386b2\'A': -59, '\U00047350\': 1134214373,
dict(\{' \mu E \ x83 \ x08': -6, \ x80 \ U000e0aa1 \ xad \ x95': -6, \ x80 \ x95': -6
"\U000379db\(\alpha\)\x1eo\\x9a\\U000da8fd\\x8c\\x1f\\U000f65bf\': 30612.
\U0000f7d82\p\x94ûqo\'E': -5080547204592589107,
3670905972559888318) = {'\(\pi\x\)83\\\x08': -6, \\\x80\\\\U000e0\)aa1\\\xad\\\x95': -6,
\U000379dbám\x1eo\x9a\U000da8fd\x8cS\x1f\U000f65bf': 30612,
'\U000f7d82\\p\x94ûqoÉ': -5080547204592589107,
3670905972559888318}
dict(\{'(x01)U00109c80\}x06': -40380689102377559924810338667399111526\}) =
{'(\x01\U00109c80\x06': -40380689102377559924810338667399111526}
'\x83Yô\U0001900bÖzb': 46, 'ù3\U0004227e\x04': 25524, '\x9e': 11819,
"\U000d1847QÂî\U00105a6f\x85\x96 \x9fa': 29223, "\U0006add0"û':
157020045507278338084941763592887810608, 'L¤': -28717,
"\U000e293e_x\U0005f6d6\U0001174c\U0009073f": -127,
\U0000cb94S?Æ\U000e3472\x95»ï9ɵD\U0005b800 \U0000f8f7f\x007N': 23,
\xoptage (\text{\'eO'}: -13741) = \{ \text{\'eO'}: -25269, \xoptage (\text{\'eO'}: 57, \xoptage (\text{\'eO'}: -13741) \}
```

```
'Zìñ-\x8c``äbËå®ä\x9cLÛ': -1905, '\x83Yô\U0001900bÖzb': 46,
"\U000d1847QÂî\U00105a6f\x85\x96_\x9fa': 29223, "\U0006add0"û':
 157020045507278338084941763592887810608, 'L¤': -28717.
 "\U000e293e_x\U0005f6d6\U0001174c\U0009073f": -127,
\U0000cb94S?Æ\U000e3472\x95»ï9ɵD\U0005b800 \U0000f8f7f\x007N': 23,
 '\xad\x9c(\(\epsilon\)': -13741}
dict({'2\U0010ddae})x8cP\U0008474e\x1d': 21518,
27079, 'C+\U00064e68\x8e\U000cb751': -16615,
\label{eq:convergence} \begin{tabular}{ll} $\end{tabular} $\end{
7394, '\x9d': -9252, '\x9dO\U00106b24\x9bSw': 18701\) =
{'2\U0010ddae}b\x8cP\U0008474e\x1d': 21518,
 '\x17C\x8d\U000fa995>\x9e<sup>1</sup>/<sub>4</sub>k\x05\x8a': -10104, 'h"ä\x9a\U000a5a7d': -2784, ":
27079, 'C+\U00064e68\x8e\U000cb751': -16615,
\ensuremath{^{'}} \psi \times 9f^{\ensuremath{^{\circ}}} y YQ \times 0f \times 05w9 \times 12C \times 0fi \ensuremath{^{\circ}} x 1c \times 80 \times 89 \times 20 \mu DZ \ensuremath{^{\circ}} \tilde{N} \times 0000 \ensuremath{^{\circ}} \tilde{N} = 12C \times 0fi \ensuremath{^{\circ}} x 1c \times 80 \times 12C \times 12
7394, "\x9d': -9252, \\x9dO\U00106b24\x9bSw': 18701}
dict({": -25621, 'kg': -14237, '\x04\alpha\x19': 14, '\x94': -28,
"\r":xi\x7f\x94;\U000a035a~u\x9f\O-\x11u\U000c40a1\cdot M,\U0003febd=":80}) = {":}
-25621, 'kg': -14237, '\x04\alpha\x19': 14, '\x94': -28, "\r"x\\x7f\x94\;\U000a035a~\u00e0\x9f\o-
x11\dot{u}U000c40a1'\cdot M,U0003febd=": 80
dict({": 5598899245239852967, \U000e1d7f': -1834707347,
'AT\x91@"A\x0\x1fn(\neg F^*: 145441596379274862256996946826341937212,
 \dot{v}_1+x9eb\beta\U00105023\U000c90ad\x84': 20472.
 '\U00065888 \square x89 u x86!1 \U000a6e2 d \U00093225[': 31, '-': -14, 'zh': 6290, '-: -14, 'zh': 6290, '--: -14, 'zh': 6290, '--: -14, 'zh': 6290, '--: -14, 'zh': 6290, '---
M(\sqrt[4]{U000a7698}: 15, \dot{e}: 40, \dot{i}: -18142) = {": 5598899245239852967, iii}
'\U000e1d7f': -1834707347, 'AT\x91®''À\xa0\x1fñ(¬F^\':
```

```
145441596379274862256996946826341937212.
 '\dot{y}1+\dot{y}9eb\beta\U00105023\U000c90ad\x84': 20472,
 \U00065888 \ \x89 \ \x86!1\U000a6e2d\U00093225[: 31, '-': -14, 'zh': 6290, '-': -14, 'zh': 6290, '-': -14, 'zh': 6290, '-': -14, 'zh': 6290, '-: -14, 'zh': 6290, '---------------------------------
 M(ý)U000a7698': 15, 'ê': 40, 'i': -18142
dict({": -62, '\(\delta\)4': 71, '\(\delta\)4\\\U0005224e': 30678,
 "\U000af570\x97\x8bG\x0e\U0003fe93a": 1275, '[x': -25330, '\x99':
 154959473394931837695635863628233174872,
' \times 9a^{1/4}r \times 0.00d71cc^{2} \times 1.6E \times 0.010d137i \times 0.0006ae20D': -20837.
'ÝSbÍSwÛnïO\x01\U00079e00¹ÒbÚ\x07i\x9eÙ_Yð\x8e\U000d9be6w#<O\x8f縅': -
42, \\U000c40af`\x16\U000ee868': 54, \\U000f64b4Á\puVV': -20794, \\x00\tilde{A}\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tild
4648, \pm : -107) = {": -62, \pm : 71, \pm : 4 \cup 0005224e: 30678,
\'\U000af570\x97\x8bG\x0e\U0003fe93a': 1275, '[x': -25330, \'\x99':
 154959473394931837695635863628233174872,
'\x9a\4r\U000d71cc2\x16\E\U0010d137j\U0006ae20D': -20837,
'ÝSþÍSwÛnïO\x01\U00079e00¹ÒþÚ\x07i\x9eÙ_Yð\x8e\U000d9be6w#<O\x8f瀛': -
42, \\U000c40af`\x16\U000ee868': 54, \\U000f64b4Á\uWV': -20794, \\x00\tilde{A}\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde{\x85\tilde
4648, '±': -107}
"˾\x9còµ\x9b\U00068702ÌØ\x0e{E8\x7f£9ò\x1d\U000aff99ãø6û\x9e\U0009d160
\x96\U000ffb0d\u000ffb0d\u00cy), Î-': 32654, ";.\x9e'": -24219, "\x8e': -17971, "\x05vTB'":
32738, '@J\x04': 3567, '\x04\x\1e\r34': -89, '\x171/2': -
7661, '34{': -21741, '@\U00044591½û\x88\U000c3b92ØÎü': 5871, '\x8a': -87,
"˾\x9còµ\x9b\U00068702ÌØ\x0e{E8\x7f£9ò\x1d\U000aff99ãø6û\x9e\U0009d160
\x96\U000ffb0d\u000ffb0d\u00cy), \hat{1}^-': 32654, ";.\x9e'": -24219, \\x8e': -17971, "\x05vTB'":
```

Page 36 of 48

```
32738, '@J\x04': 3567, '\x04\x\1e\r34': -89, '\x171/2': -
10341443499037245781209948503116925182, '\U00072266\xad': 27593\
dict({": -8581}) = {": -8581}
dict({'*z': 1027276677, '&É7(\x02+\U0009c1f0\x10W\U0007c828\x06': -
107453651686337143739794842354358549754, ": 11882, "\x1fp\\U00075f3a5': -
20027}) = {'*z': 1027276677, '&E7(\x02+\U0009c1f0\x10W\U0007c828\x06': -
107453651686337143739794842354358549754, ": 11882, '\x1fp\\U00075f3a5': -
20027}
dict({": 1027276677, '&É7(\x02+\U0009c1f0\x10W\U0007c828\x06': -
107453651686337143739794842354358549754, '\\\U00040a05': -
216234359068491859, '\x8aD13255': 2□, '\U0007cca0-Q\U000ac0a6': -86, 'zÿ7□': -
3363818168104774811, 'ý;f\\Ö\x11z³4J\U
00068aec': -61965591606901835677637743181017343906, '\U00032527\x00': 14,
\'\U000d02fc': 32259, 'g\'a\\x8b\\U0006d0a1\'a\\x96': -20598,
"\U000bef0e\U000164ffÝ'\xa0s#ÅÒ": -11376, '\x83ú3d\U0002ed70\U00040831_':
20282}) = {": 1027276677, '&E7(\x02+\U0009c1f0\x10W\U0007c828\x06": -
216234359068491859, '\x8aD2□'
: 13255, '\U0007cca0-Q\U000ac0a6': -86, 'zÿ7□': -3363818168104774811,
\dot{y}_{i}f\ddot{\phi}x11z^{3}4JU00068aec': -61965591606901835677637743181017343906,
"\U00032527\x00": 14, "\U000d02fc": 32259, 'gá\x8b\U0006d0a1û\x96": -20598,
"\U000bef0e\U000164ffÝ'\xa0s#ÅÒ": -11376, '\x83ú3d\U0002ed70\U00040831_':
20282}
dict({": 21286, '*\U000f3002\U000c428a\U0007d190íµ\U000dd735\x14ï\x0c': -
10379, \\x0f\U00108c35\\\U000d3ae9\\x03\': 25114,
'HVμC\U00063d19\U000f96c0Ã\U000b78b1\U000eb40fÑ\U00081444\U0003952b
O': 8714, 'ýÞ': -9361, 'u¶a\x89/': -403829059, '\x9e\U0005bb6b´Ã\x8dM': -13499,
```

```
"Î\x83": -79485117915792750028808837290949920218, 'D\x1b': 11804932}) = {":
21286, '*\U000f3002\U000c428a\U0007d190íµ\U000dd735\x14ï\x0c': -10379,
\x0f\U00108c35W\U000d3ae9w\x03': 25114,
'HVμÇ\U00063d19\U000f96c0Ã\U000b78b1\U000eb40fÑ\U00081444\U0003952b
O': 8714, 'y\dot{P}': -9361, 'u\P^a \times 89/': -403829059, 'x9e \times U0005bb6b'\dot{A} \times 8dM': -13499,
"Î\x83": -79485117915792750028808837290949920218, 'D\x1b': 11804932}
dict({": 7826, \U0008066e\x9e\U00092af4\u00u10": 19856, \U0003aa11\u00e44":
2672114804754954636, '\x1eá\\(\text{2}\) H×': -27, '\\\(\text{U0007c014': -21192}\) = \{'': 7826,
"\U0008066e\x9e\U00092af4\u00092af4\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa1\u0003aa\u0003aa1\u0003aa\u0003aa1\u0003aa\u0003aa\u0003aa\u0003aa\u0003aa\u0003aa\u0003aa\u
'\x1eá□2□H×': -27, '°\U0007c014': -21192}
dict({": -27, \U0008066e\x9e\U00092af4\u00ui0': 19856, \U0003aa11i\\\':
2672114804754954636, \x1eá 2 Hx': -27, \x1o(0007c014': -21192) = {": -27},
"\U0008066e\x9e\U00092af4\u00092af4\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa11\u0003aa1\u0003aa\u0003aa1\u0003aa\u0003aa1\u0003aa\u0003aa\u0003aa\u0003aa\u0003aa\u0003aa\u0003aa\u
dict({": -27, \U0008066e\x9e\U00092af4\u00u10": 19856, \U0003aa11\u00e4\u00e4":
2672114804754954636, '\x1eá\\(\text{2}\) \(\text{H}\times': -27\), '\\\(\text{U0007c014': -21192}\) = \{'': -27\],
\label{eq:condition} $$\U0008066e\x9e\U00092af4\mui0': 19856, \U0003aa11i4': 2672114804754954636, \Label{eq:condition} $$
\x1e4 \Box 2 \Box H \times : -27, \c 00007c014 : -21192
dict(\{'@\hat{u}\}': -35, \U000c36e0': -60\}) = \{'@\hat{u}\}': -35, \U000c36e0': -60\}
dict({": 29502, '5": -94, ""} \times 86 \times 82": 511292670}) = {": 29502, '5": -94, ""} \times 86 \times 82":
511292670}
dict({": 29502, "',\x86\x82": 511292670, "1\U000d525a\U00048b7aítc\t\x17\\A'':
105, '2\U00048a49\U000f0b18\x04D': 52,
'+xyE\mu z U000b8ccc xad U000b61ad x17x04': -1251524107  = {": 29502,
"',\x86\x82": 511292670, "1\U000d525a\U00048b7aítc'\t\x17\!\... 105,
'2\U00048a49\U000f0b18\x04D': 52,
'+xyE\mu z\U000b8ccc\xad\U000b61ad\x17\x04': -1251524107
```

```
dict(\{' \times \{ \}; \hat{o}' : 30014 \}) = \{' \times \{ \}; \hat{o}' : 30014 \}
dict({": 1842968068, 'T\x03\x1e+灶8"Â羧': 22051, 'c\x187\U0009c97a': 13, '\x90t':
-22028, 'Å!\x93»\x1a\mu': -25630, '\x19\x8d\'A)M':
83892890197356855554481932866987941829, '\x94': -
163277735500996320751896236361027521109, 'ðn\U00055f12ÿ^L\x90': 17932})
= {": 1842968068, "T\x03\x1e+灶8"Â羧': 22051, 'c\x187\U0009c97a': 13, '\x90t': -
22028, 'Å!\x93»\x1a\mu': -25630, '\x19\x8d\'A)M':
83892890197356855554481932866987941829, '\x94': -
163277735500996320751896236361027521109, 'ðn\U00055f12ÿ^L\x90': 17932}
dict({": 28121, '5': 512, '11H2': -262784, 'Â浚': 22051, 'c\x187\U0009c97a': 13,
'\x90t': -22028, 'A!\x93»\x1a\mu': -25630, '\x19\x8d\(\'x\)M':
83892890197356855554481932866987941829, '\x94': -
163277735500996320751896236361027521109, 'ðn\U00055f12ÿ^L\x90': 17932\)
= {": 28121, '5': 512, '11H2': -262784, 'Â浚': 22051, 'c\x187\U0009c97a': 13, '\x90t':
-22028, 'Å!\x93»\x1au': -25630, '\x19\x8d\A)M':
83892890197356855554481932866987941829, '\x94': -
163277735500996320751896236361027521109, 'ðn\U00055f12ÿ^L\x90': 17932}
dict({": -30880, \x9e": -38, \U000f4e64\frac{4}[\x8b": -28375, '\%\a': -94,
"(\tilde{O}) + \ddot{U} \setminus U0007ed47': 35) = {": -30880, "\x9e': -38, "\U000f4e64\frac{4}{\x8b': -28375, '\%a': -28375,
-94, 'Õ`+Ü\U0007ed47': 35}
dict(\{'\U000c5bba': 120\}) = \{'\U000c5bba': 120\}
dict(\{'0':0\}) = \{'0':0\}
dict(\{":0\}) = \{":0\}
dict(\{": -2\}) = \{": -2\}
dict({'煩\x91"\U00101c608\x83-É¢ ¾Ü"\x96:Lm': 10787,
'X \times 98 \times 80b \times 8c \times 0000815b75 \times 0007cbf4': -1256, 'P \times 95A \times 0000ecfdf': 32296
```

```
{'煩\x91"\U00101c608\x83-É¢ ¾Ü"\x96:Lm': 10787,
'X\\\x98\x80b\x8c\U000815b75\U0007cbf4': -1256, 'P\x95A\U000ecfdf': 32296}
dict({": 84, '\x85': -98, 'Æ': -6087991671556483922, '\x84\\{\hat{E}\x8dMÆ': -26177, '| 膏
': 51, 'shK \pm \hat{l} \times 01 \setminus U000 = 272': 26251  = {": 84, '\x85': -98, 'Æ': -
6087991671556483922, '\x84\\Beta\E\x8dM\E': -26177, '|\\\eqrightarrow\E': 51,
dict({'\U000d1786\x80': 5436, '\x87\x0c': -118, 'Í\U000c6b0e*&\xad\x1bi\x04Ç«"
緩ð\U00106924e': 19, ": 26488, 'o\x14\U000cb7556\U0009be00P': -9651, 'Á':
9378, 'Ü': 22155, '\U000841a3\x11;Sg': -67, 'S': -17924, '\u00f3g\x9e': 7426,
0\U000aa39b': 15, 'a': 122, '''x\x07_4\U000c9d49\&'': -91) = {'\U000d1786\x80': }
5436, '\x87\x0c': -118, 'Í\U000c6b0e*&\xad\x1bi\x04Ç«"続ð\U00106924e': 19, ":
26488, 'o\x14\U000cb7556\U0009be00P': -9651, 'Á': 25270, 'c': -64,
'\U000841a3\x11;Sg': -67, 'S': -17924, '\u00f3g\x9e': 7426, '0\U000aa39b': 15, '\u00e4': 122,
"'x\x07 4\U000c9d49&": -91}
dict(\{": -31339\}) = \{": -31339\}
dict({": -17678, '\x91÷': 39, '\x8d\x00×\U000e30bd\U0006ceb3\text{\text{@}1\U0007fe731t':}
2277732941042499941, (x94': 28915) = {": -17678, (x91÷': 39, x91÷') = {": -17678, (x91÷') = {": -17678, (x91+) = {": -1767
28915}
dict(\{": -17678, \x91÷": 39, \x8d\x00\times\u000e30bd\u0006ceb3@1\u0007fe731t":
2277732941042499941, \xspace \xspa
\\x8d\\x00\times\\U000e30bd\\U0006ceb3\\Big|\U0007fe731t': 2277732941042499941, \\x94':
28915}
dict(\{'\U000b835fP_i': 586, '\% Y\n\U0010f498 \ \square\x00\x92i': 1501661585,
\x1d\x04i\U000d4001': 24264) = {'\U000b835fP; ': 586,
```

Page **40** of **48** 

```
'% Ý\n\U0010f498¤\square\x00\x92í': 1501661585, '\x1d\x04í\U000d4001': 24264}
dict({": 27923, 'àÁÞ\x0f¢\U000b8d95ãÙ#òñ5': 23812,
fx\xadÏy Î\U000d48110Ö0ζ \\ \( \text{: -20900} \)
dict(\{'P£\U000384d5V\x1e^{\ddot{u}B\U000991bd\xa0+X': 1084110024, ": 2033603622, and a constant of the constant 
\dot{0}\times0b\U0006a563k\times9c\V000107f40@\U000deb5e': -2925) =
'ô\x0b\U0006a563k\x9c\r\U00107f40@\U000deb5e': -2925}
dict({": -15, \x06\angle\angle}: 18647, 'B\U0005e6f2': 1138, 'h': 17612,
'\x96e퀒\U0004a4c0\x1a\x8c': 1468491867230085814, 'Ò½\xa0\xa0\x9b\r': -
'h': 17612, '\(\beta Z.\)\(\delta \Cappa \)\(\delta 080:\\delta 9b\\delta 01+L\\U00104eba^a\\U000e7641;\)\(\delta 6, \delta \chi \delta 2\\delta 9b\)\: -49,
'ö': -1705, '\x96e퀒\U0004a4c0\x1a\x8c': 1468491867230085814,
'Ò½\xa0\xa0\x9b\r': -328762784, '\U000fd5ac\text{4': 124}
dict({": 1008, 'c\U00044679Ú\U0006ff17\x8a\U000dd3f2\x8at\U00079345éÌÔ':
8339, 'a\U000f8f8a\x9c\U00083663\x0b\x13\x13\U0003b2b9#]É/yÇz;ë[ ': 7993,
\sqrt{x82'}: -51, \sqrt{U000adf70}\sqrt{x04}\sqrt{x10'}: 10814}) = {": 1008,
'c\U00044679Ú\U0006ff17\x8a\U000dd3f2\x8at\U00079345éÌÔ': 8339,
'a\U000f8f8a\x9c\U00083663\x0b\x13\x13\U0003b2b9#]É/yCz;ë[': 7993, '\x82': -51,
\U000adf70\x04\x10': 10814
dict({": -51, 'c\U00044679Ú\U0006ff17\x8a\U000dd3f2\x8at\U00079345éÌÔ': 8339,
'a\U000f8f8a\x9c\U00083663\x0b\x13\x13\U0003b2b9#]É/yCz;ë[': 7993, '\x82': -51,
"U000adf70\x04\x10": 10814) = {": -51,}
'c\U00044679Ú\U0006ff17\x8a\U000dd3f2\x8at\U00079345éÌÔ': 8339,
```

```
'a\U000f8f8a\x9c\U00083663\x0b\x13\x13\U0003b2b9#]É/yCz;ë[': 7993, '\x82': -51,
\U000adf70\x04\x10': 10814
dict(\{": -8409567855690299216, \x8då": -114\}) = \{": -840956785690299216, \x8då": -114\}) = \{": -84095678569029, \x8då": -114\}) = \{": -8409567869, \x8då": -114\}) = \{": -8409567869, \x8då": -114\}) = \{": -8409567
'\x8då': -114}
dict({": -1958005096, '娇\x8då': -114}) = {": -1958005096, '娇\x8då': -114}
dict(\{": -1958005096\}) = \{": -1958005096\}
dict({": -116, 'À\U0004db76Í耖': -9984, '\U0004a58fø': -18404,
\langle x_19 \rangle x_08 \rangle B \cup 0002 = cdd \cup 00059366 \cup x_16^{\circ} : 11037 ) = {": -116, 'A} \cup 0004 db 76 I
耖': -9984, '\U0004a58fø': -18404, '¢\x19\x08\rB\U0002ecdd\U00059366U\x16°':
11037}
dict({'嵠': -1064114735, '\U0006b6e5\x94\U0009f5c8': 1283}) = {'嵠': -1064114735,
\U0006b6e5\x94\U0009f5c8\: 1283}
dict({": 26946, 'y\U0006df46\x1c': -28, '\x8dO\x07G\U000b3b18': 26473,
\sqrt{x1ah^{-}} jÔÈ;': -25001}) = {'': 26946, 'y\U0006df46\x1c': -28,
'°\x8dO\x07G\U000b3b18': 26473, '\x1ah jÔÈ;': -25001}
dict(\{', U000992d1': 68008064945961133912839000501614590596\}) =
{',\U000992d1': 68008064945961133912839000501614590596}
dict(\{', U000992d1': 68008064945961133912839000501614590596\}) =
{'\U000992d1': 68008064945961133912839000501614590596}
dict(\{\U000992d1: 68008064945961133912839000501614590596\}) =
{'\U000992d1': 68008064945961133912839000501614590596}
dict({'\U000bfaef': 83,
'h\U0005c71e\x07\x94#;n34;\x82\x07\x9cÕ\U000bde34ÆaëÀ\U0009b891`ù-
x1cx81': -1874333508) = {'\U000bfaef': 83,
'h\U0005c71e\x07\x94#;n34;\x82\x07\x9cÕ\U000bde34ÆaëÀ\U0009b891`ù-
x1cx81': -1874333508
dict({'\U000f0380': 50, 'ràà': 42, 'D_': -29128, '3\Buz': -4227864030024707602,
                                                                                                                                                                Page 42 of 48
```

```
'\U00037c32': -1146767143,
22871, 'àüÅd\U0006121a\U0008cadb': -26278, '\U0004d18f\x99\U0001a0b1': -
31388, '°': -804188183}) = {'\U000f0380': 50, 'ràà': 42, 'D_': -29128, '³\bar{8}\u00fcz_': -
4227864030024707602, '\U00037c32': -1146767143,
22871, 'àüÅd\U0006121a\U0008cadb': -26278, '\U0004d18f\x99\U0001a0b1': -
31388, '°': -804188183}
dict({'h': -8006, 'l\x11\ae{a}F*\x90': 7046, '\hat{A}\ain^\U00085924\b\x02GZ\U0001c72d&)iY': -
3231, 'ÓOóo\U0003d42b': 79, 'A': 20380,
\U000945f9jTy{\U00049e7b\x0b\U000ccb8a': 8296, ": -28542, 'i\\x1b': 
1751547820, '{': -15, '\x19T\x7f\U000d543c:\U000bab79¢ 从\U000c04b7': 91,
72383849569917814197824458667602085793, 'f_': -75, '6蒸': 87}) = {'h': -8006,
'\dot{1}\x11\aak{1}\aak{1}\aak{2}\cdot{0001c72d&)iY': -3231,
'ÓOó \U0003d42b': 79, 'A': 20380, '\U000945f9jTy{\U00049e7b\x0b\U000ccb8a':
8296, ": -28542, 'i\\x1b': 1751547820, '\{': -15,
\x19T\x7f\U000d543c:\U000bab79¢\frac{37}{24}\U000c04b7': 91,
72383849569917814197824458667602085793, 'f': -75, '6蔟': 87}
dict({": -1289178561488982075, 'lwY£ \x07\x7f': -516, '\x9a\U000840ff': 4770, '\x9a\U000840ff': 4770
"\x16»': -1041916607, "\x17\U000e4e94RN7ÿ\x9f1蕉
öxU\U000993d3\U0003b520\x90': 34, '{ö': -18, '2\U000cd141\U0001e530': 4, 'ù': 15,
'Â:\U000d8e59î': -1983472690, '3\x02\x00<sup>2</sup>·\x83\U000191c4\x81\U000ee95e
6\U000dcb75\text{Y}': -29857, '\(\sigma': 10979\), '\[\U00079b98\n\text{P}\]\F': 28,
"\U000d5b6d\x86b"\U000f840d3\U000d1639'î2ÿ\x9f\U0007a120": -
```

```
1724151301267494345, '\U0009167aØ': -20643, '\U000a2c62':
4531811023802960318, \\U00093676\text{O}\(\x\1\d_1\x85': -922\) = \{'': -
1289178561488982075, 'lwݣ\x07\x7f': -516, '\x9a\U000840ff': 4770, '\x16»': -
'{ö': -18, '2\U000cd141\U0001e530': 4, 'ù': 15, 'Â:\U000d8e59í': -1983472690,
 \label{eq:condition} $$ '^3 \times 02 \times 00^2 \cdot \times 83 \times 000191c4 \times 81 \times 0000ee95e 6 \times 0000dcb75 \acute{Y}': -29857, '\neg': 10979, '30000dcb75 \acute{Y}': -29857, '\neg': 10979, '30000dcb75 \acute{Y}': -29857, '\neq ': 10979, '\neq '\n
\int U00079b98 \ | F': 28,
"\U000d5b6d\x86b"\U000f840d3\U000d1639'î2ÿ\x9f\U0007a120": -
1724151301267494345, '\U0009167aØ': -20643, '\U000a2c62':
4531811023802960318, '\U00093676Ö«\x1d;\x85': -922}
dict(\{'\U0003817a': 18965, '': -77, '\x05\U0003a5d7': -16459\}) = \{'\U0003817a': -16459\}
18965, ": -77, \x05\U0003a5d7': -16459}
dict({": -2515190650846871371, 'û-
Æ(1î\x1a\x11®\U0008f30eÜ\U000aa817\U000fa00c~處\x9e\x13': 21, 'g0"x\rF': -
113) = {": -2515190650846871371, 'û-
Æ(1î\x1a\x11®\U0008f30eÜ\U000aa817\U000fa00c~戯\x9e\x13': 21, 'g0"x\rF': -
113}
dict({": 21166, \x9dOt\U000fda81": -1852918762, \\ta\U00109142\delta": 6878,
'ÿ6\x0c\xa0\U000ebc5f\x94\x7f': -21748, 'Ì\x8e': 9650,
"\x02\%\x99\U000e97ddR\U0007dc77\hat{E}\"u\: -123, "\x16\\: 1249, "\U000b480a\: -24594,
'Ï': -20350, '\x16\tilde{a}}Û\x8cf': -84, '\x95': -18322, '\x04': 20751,
'gÜ]\x8e«R¼Õû£\x1a®': 27656, '\x84': 88, 'O1\U0005cc4b\U000e0a04Ä
x88\U000c30dc;+à': -5507381615313056715, 'ÜÅ2': 3, '/A\x80Áp\x1f\x05': -5813,
'±\n^\\\ i\U000c002d\x04\\\\ J 冟
^{2}\x9e@9i\x8crQ/;.\U000d1be8\U00085abcû«\n\U000f8270': 27061,
"\U001082ddb\U0006f40c°z,\x83\U000ba29d¹5\x84b\U00067e81*@b埕
```

```
\dot{u}\U0004306e\U000aaf53\\(\delta\)<sup>3</sup> \x82\x1d': 58\) = {": 21166, \\x9d\hat{Ot}\U000fda81': -
1852918762, '\ta\U00109142\delta': 6878, '\vec{v}6\x0c\xa0\U000ebc5f\x94\x7f': -21748,
'Ì\x8e': 9650, '\x02\%\x99\U000e97ddR\U0007dc77\`E\"u': -123, '\x16\': 1249,
'gÜ]\x8e«R¼Õû£\x1a®': 27656, '\x84': 88, 'O1\U0005cc4b\U000e0a04Ä
x88\U000c30dc;+à': -5507381615313056715, 'ÜÅ2': 3, '/A\x80Áp\x1f\x05': -5813,
'±\n^ßi\U000c002d\x04§J冟
<sup>2</sup>\x9e@9i\x8crQ/¿\U000d1be8\U00085abcû«\n\U000f8270': 27061,
"\U001082ddb\U0006f40c°z_\x83\U000ba29d¹5\x84b\U00067e81*@b埕
dict(\{'\mu]\neg7\grave{U}': 63, '\%': 98, '9\ddot{A}\x8b^-*wZ\x0b': -4575\}) = \{'\mu\}\neg7\grave{U}': 63, '\%': 98, '9\ddot{A}\x8b^-*wZ\x0b': -4575\}
9\ddot{A}x8b^{-}*wZx0b': -4575
(25693) = {\text{": -28991, "}} (100105c70+\hat{i} < J\hat{i}k) \times 8f^{-} : -29075, 'Ø¥A': 3422,
'\U000e7ab8çZ>': -25693}
dict({": -31876497807671427, "\U00070c00î<JÌk)\x8f-": -29075, 'Ø\X': 3422,
\U000e7ab8cZ>: -25693) = {": -31876497807671427, \U00070c00î<Jik}\x8f': -25693)
29075, 'Ø¥Á': 3422, '\U000e7ab8çZ>': -25693}
dict({'ùoÃ\U000b18aav例w\x04î@Çy\x10z
\emptysetÅ\U00050039\U0001aa8c\U000a4df5\U000c5d15LW':
130342998239448656239518018379965336543, \\x96\\U00067e4e@Dô': -111\}) =
ØÅ\U00050039\U0001aa8c\U000a4df5\U000c5d15LW':
130342998239448656239518018379965336543, '\x96\U00067e4e@Dô': -111}
1153, '\U0003cca5\U000b6b9e': 106341153216707060812598426034269279050,
```

```
'1\U000dfc3e-\U000d5be4ô\x18ÊÌ?\x8c\U0009389f': -
148373177608475853979514887517567697630, ": 920427709525766480,
''(x15; x82\ddot{I}O \cdot \{': -8418\}) = \{'(u0004a5f5)x07F(x88; 4)(u000a109c'[': -31518, a)\}
"\x18\x89\x99\U00091491': -1153, "\U0003cca5\U000b6b9e':
106341153216707060812598426034269279050,
'1\U000dfc3e-\U000d5be4\darkanleright\x8c\U0009389f': -
148373177608475853979514887517567697630, ": 920427709525766480,
'\x15;\x82ÏO·{': -8418}
dict({": 26494, \\x0b\x80\x148": -14033, \\U000b6a3d": -15074,
"\U000cfce2\U000f3ab8\U0008496e>": 113, 'ô#\x97&\x8bÓÄ
26494, '\x0b\x80\x148': -14033, '\U000b6a3d':
-15074, '\U000cfce2\U000f3ab8\U0008496e>': 113, 'ô#\x97&\x8bÓÄ
': 10493}
dict({'\U000ef373': 20222, '槆\x1a\x94': 31206, '\U000418bb\U00086273*\x977':
14392, 'hE': -119, 'qb¶)\x85°': 7975, '\x94\U000d382d\x9f³\x9f\U000a8df6': 1, '':
5041, '¢島/àI\U000c1ac5\\': 1137618700632669785, 'Zý<sup>1</sup>Â\U00065fa4LÍ': -28552,
"\U000bed90\U000160e4': -125}) = {"\U000ef373': 20222, '栉\x1a\x94': 31206,
\U000418bb\U00086273*\x977': 14392, 'hE': -119, 'qb\P)\x85°': 7975,
"\x94\U000d382d\x9f3\x9f\U000a8df6': 1, ": 5041, '¢島/àI\U000c1ac5\\':
1137618700632669785, 'Zý¹Â\U00065fa4LÍ': -28552, '\U000bed90\U000160e4': -
125}
dict(\{": -10656\}) = \{": -10656\}
dict({": -13799}) = {": -13799}
dict({'1\x03\U0009ae6d\ue18bb\45\U000eae7f': -7669850803142303404, 'OX\x90':
```

```
-26302, 'Í疚\x19ÿB3¤t\U0005e16c\x17\U0006c56eT4': 121, '\U000e28d0': 9993,
'aSLi\U000b0d43ù': 24025, '\tilde{\text{Y}}': -115, '\U000dd5e3': -21029\) =
{'1\x03\U0009ae6d\ue18bb\45\U000eae7f': -7669850803142303404, 'OX\x90': -
26302, 'Í疚\x19ÿB3¤t\U0005e16c\x17\U0006c56eT4': 121, '\U000e28d0': 9993,
'aSLi\U000b0d43ù': 24025, '\tilde{\text{Y}}': -115, '\U000dd5e3': -21029\
dict(\{'\x85z\u0003a0fd\'o\u0008a04b\ddot{A}6\u000c85d3\'y\'o': 29822, '': -7714, and the context of t
\n \times 08A \x 1e' : -4402860114928938884  =
{ '\x85z\U0003a0fdÓ\U0008a04bÄ6\U000c85d3Ýø': 29822, '': -7714, '\n\x08A\\x1e':
-4402860114928938884}
dict(\{'\setminus U00098218\%': -7\}) = \{'\setminus U00098218\%': -7\}
dict(\{'95\%': -7\}) = \{'95\%': -7\}
dict(\{'953/43/4': -7\}) = \{'953/43/4': -7\}
dict(\{'95\%\%\%':0\}) = \{'95\%\%\%':0\}
dict(\{'95\%\%\%2': 72\}) = \{'95\%\%\%2': 72\}
dict(\{'953/43/423/4': 18432, '\U000e5ca3\x104B\n': 14, '\x8a': -1836, '\': 8905\}) =
{'953/43/423/4': 18432, '\U000e5ca3\x104B\n': 14, '\x8a>': -1836, '\': 8905}
dict(\{ '953/43/423/4 \times 10 \times 90' : -768, ' \square 14B \setminus n' : 14, ' \times 8a \rangle ' : -1836, ' ` ' : 8905 \}) =
\{ '953/43/23/4 \times 10 \times 90' : -768, ' \square 14B \cap : 14, ' \times 8a \rangle : -1836, ' ` : 8905 \}
dict({'`': -15110, '\U00042a12': 26105, '\U000eb046»\x83b@îaó/mÙV3\U000528ce':
-1715, ';': -57, ": 19442, " .\x01\U000a795b'\fi": 350353607,
\x970\% = \
1754174494110077180}) = {'`': -15110, '\U00042a12': 26105,
"\U000eb046»\x83b©îaó/mÙV3\U000528ce': -1715, ';': -57, ": 19442, "
        .\x01\U000a795b'i": 350353607,
```

Page **47** of **48**