

AACF Puzzle Hunt 2022

January 26 – February 4, 2022

- This packet contains one puzzle per page, all of which are independent of one another.
- The answer to each puzzle is a single word or name (person, company, etc.) in English.
- You may use the Internet and any other resources at your disposal. Internet tools and services will be required for some problems.
- You will be working together to compete against other teams.
- Submit your answers to the online autograder at puzzlegame.tech. More details about scoring can be found on the site.
- Good luck and have fun!



#1: Tutorial

Each puzzle is provided in the form of a PDF. Puzzles are mostly self-contained within the PDF, although the story may provide more context to each puzzle.

The upper right corner will contain one of the following icons.



TECHNOLOGY ALLOWED
BUT IS NOT HELPFUL
TO SOLVE PUZZLE



TECHNOLOGY CAN PROVIDE
HELPFUL INFORMATION
TO SOLVE PUZZLE



TECHNOLOGY IS REQUIRED
FOR INFORMATION
TO SOLVE PUZZLE

Each puzzle has a title and may contain additional flavor text. The title name has varying importance in terms of solving the puzzles. Sometimes the puzzle name will contribute to the theme of the puzzle or simply describe a self-evident aspect of the puzzle (like this one, being called Tutorial). Others will be references/information crucial to solving the puzzle.

The goal of each puzzle is to extract a single word answer. Examples of each puzzle are provided on the next page.

Answer: _____

#IA: The Amazon Code

20-1-16-5

One of the most common ways to encode answers is using numbers to represent letters (Ex. A = 1, B= 2 ... Z = 26). This puzzle in particular does not require usage of the internet, but this should not stop you from using online tools. I personally use this [site](#) to do such conversions. Once you decode the message, you can submit it to the puzzle website.

#IB: Visualization

This time, the title of the puzzle should be pretty *insightful* in terms of solving the puzzle. Puzzles with a green “I” icon tend to involve concepts that people may have preexisting knowledge of, so using the internet may be helpful if one is unfamiliar with the concept. Submit it to the puzzle website to check your answer once you solve it.

#IC: YouTube

eRkeU3_KFIw

Puzzles with the simple globe icon will often require usage of certain websites/the internet and would be practically impossible, even with unlimited knowledge about the world. Once you find what you’re looking for, submit it to the puzzle website and proceed to the next page.

Answer: _____

#ID: Putting it all together



C2, B3, A1, A2

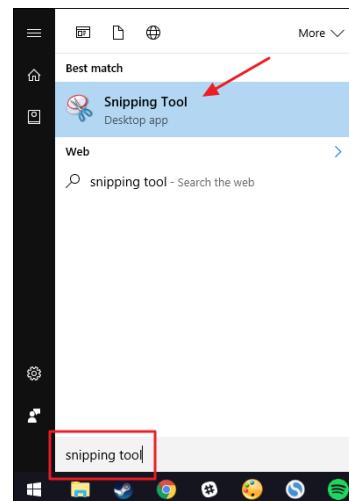
Occasionally you will encounter meta puzzles. These puzzles often use previous puzzle answers and wrap up the theme of a set of puzzles. New puzzles will unlock after enough are solved, but you will need to finish all puzzles of a set before unlocking a meta puzzle. You must finish the meta puzzle before moving on to the next set as well. For the purposes of the tutorial, the answer to this part will be the answer for the tutorial puzzle. Enter it into the puzzle site to begin your journey.

Appendix I: Screenshots

Please use a screenshot tool instead of using your phone to take photos of your computer! Your teammates will thank you.



MacOS



Windows

Answer: _____

#2: Quantity over Quality

- 1) im _____ to do this file call file _____...
- 2) Why do they call it _____ when you of in the _____ _____ of...
- 3) Have you ever had a dreams thats that _____ um you had you'd you _____ you could you'd do you...
- 4) Why waste _____ say lot...
- 5) In the _____ in the in the beni in the beningng. Yeah...

im trying to do this file call file call file thi my

(#, word, character)

`[(3, 15, 1), (2, 6, 1), (1, 2, 2), (2, 12, 4)]`

`[(1, 9, 1), (2, 13, 2), (3, 9, 3), (5, 3, 3), (4, 3, 1)]`

Answer: _____



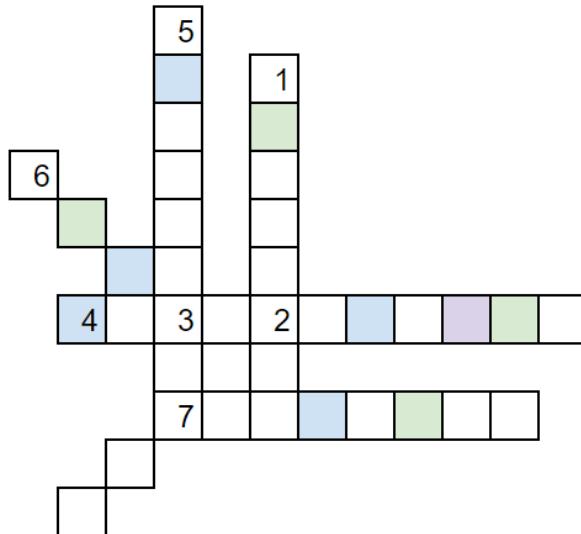
#3: An Impostor Among Us

"Hey Red, where were you this round?" Purple asked.

- 1) "Honestly, I got kinda lost. This map is so big, one could say it's quite the (noun). But Yellow was following me around," Red replied.
- 2) "Hey! I was just eating my (noun) in real life, so I couldn't do any tasks. So I just wanted to stick with someone, so I followed Red," Yellow said.
- 3) "I still think Red is the most (adj)," Purple said.
- 4) "Ok well unless someone here is a doctor who can (verb) him, we've got to decide who to vote out," Cyan said.
- 5) "True, we need to come to a (noun). I think it's a self-report, vote Lime Green," Red said.
- 6) "Noo why do you always have to make it me (preposition) you? I think it's Red, everyone vote Red. 3 seconds left, quick!" Lime Green said.
- 7) "Ahh I can't take the (noun) anymore. I'm just going to flip a coin," Yellow said.

The vote ended with 3 for Red and 2 for Lime Green. Red was not the impostor, and the crew lost.

- 1 – Down
- 2 – Diagonal
- 3 – Down
- 4 – Right
- 5 – Down
- 6 – Diagonal
- 7 – Right



Answer: _____



#4: Odd Ones Out

Name each set of words.

One does not belong.

I: Book, Hymn, Mark, Mate, Point

II: Almond, Black, Cranberry, Soy, String

III: Larry, Wumpus, Mickey, Leo, Yuri

IV: Group, Loop, Magma, Monoid, Volcano

IV.3, II.2. III.2, I.1, III.2, I.5, IV.2

Answer: _____



#5: Green Eggs and Ham

Recipe

1 oz arugula
 3 Tbsp butter
 5 chives
 3 Tbsp cream
 4 eggs
 1 oz feta cheese
 3 cloves garlic (minced)
 1 lb ham
 1 cup kale
 2 leeks
 5g nutmeg
 1 Tbsp oil
 3 Tsp oregano
 3 Tbsp Parmesan cheese
 1 Tsp pepper
 4 Tbsp pistachios (chopped)
 1 Tsp salt
 2 shallots (chopped)
 1 bunch spinach

1. Mix together the leeks and the ham
2. Take the spinach, season with pepper, and add the chives, arugula, kale, and eggs.
3. Heat oil in a frying pan. Add the garlic and cook until fragrant. Stir in the feta cheese until well combined.
4. In a blender, puree the nutmeg, pistachios, and shallots
5. Add the butter, parmesan cheese, oregano, cream, and salt.
6. Add all the components together and enjoy.

Answer: _____



#6: Composite Combos

A closely woven fabric of silk (in French) AND hook (in French)

Straightforward AND complicated

The smallest unit of heredity AND humans have 23 pairs of these

The “original tank” costing 5 elixir AND very large

To make stronger (past participle) AND a 21+ business establishment

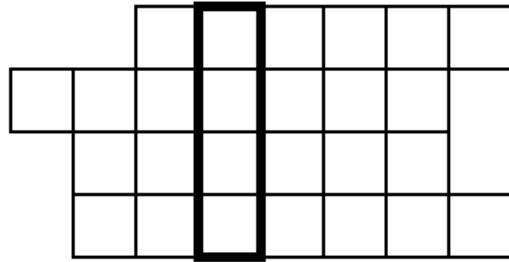
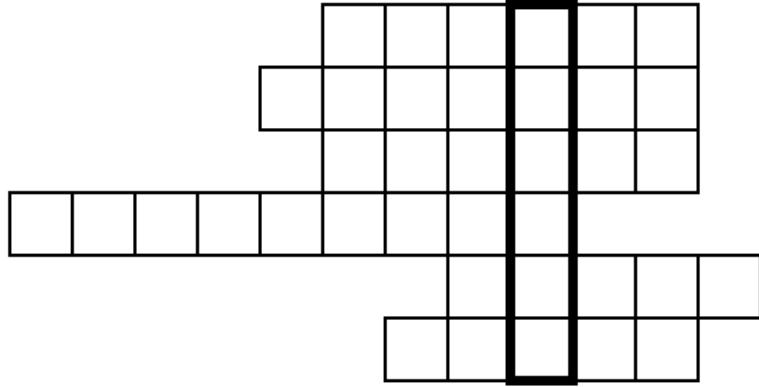
A programmer AND a decipherer

A 360-degree moveable lever AND an input device

A set of clothes for a role AND to engage in recreational activity

The United Kingdom AND departing

Smallest AND highest



Answer: _____



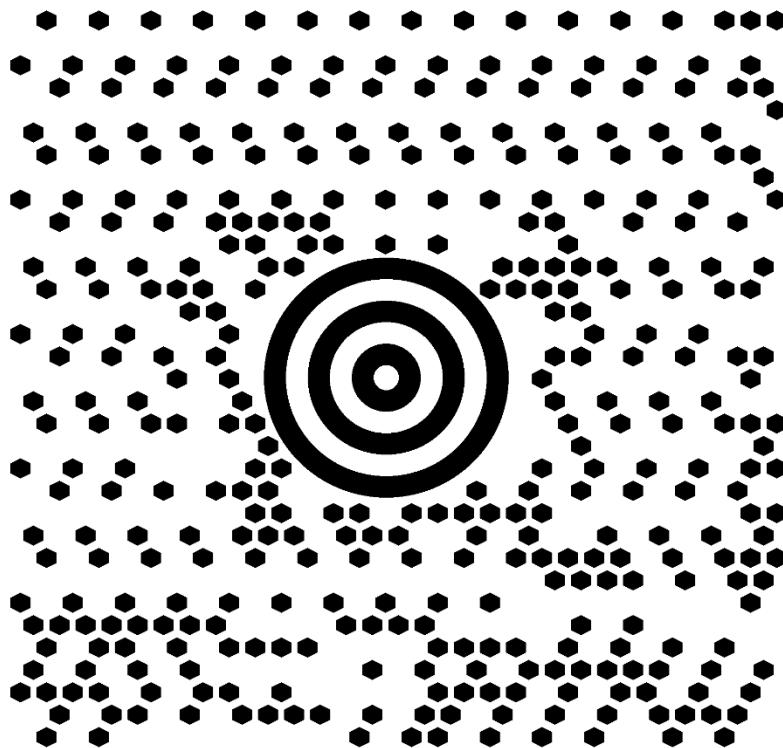
#7: *Melody of Memories*

See website

Answer: _____



#8: *The Honeycomb Target*



Answer: _____



#9: Coin Collection

(Only a **fraction** of the whole collection is listed below)

Rupiah

(Icelandic) Krona

(Swiss) Franc

Dalasi

Ariary

Shekel

(Zambian) Kwacha

Somoni

Ariary

(Zambian) Kwacha

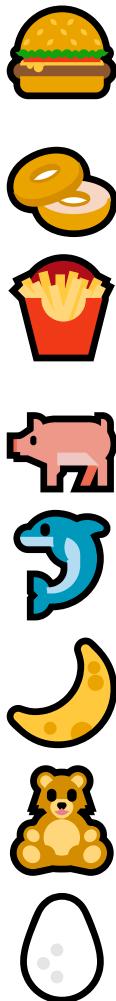
Pataca

(Swiss) Franc

Answer: _____



#10: The Ideal Date



Answer: _____

#III: **Battleship**

Z	B	L	S	C	X	Z	I	N	T	I	U
C	H	L	L	H	B	V	I	Y	P	A	E
F	O	B	D	R	A	Z	F	K	C	Y	L
L	A	R	A	B	K	T	X	A	J	O	Y
O	A	G	Q	I	W	H	D	F	T	F	R
V	P	E	Q	O	Q	E	M	C	A	C	U
Y	E	L	N	Z	P	Y	M	E	J	L	U
A	D	Y	E	E	X	D	N	N	Y	V	I
K	V	T	E	G	O	S	L	H	B	E	S

- | | |
|--------------------------------------|---|
| 1) Car Racing | 8) Hydrogen gas |
| 2) Educational exchange student visa | 9) Lumbosacral joint |
| 3) Employment paperwork | 10) MM/DD/YYYY |
| 4) Exactly between treble and bass | 11) Nier Automata Obsolete attack android |
| 5) Far East Movement | 12) North American esports team from LA |
| 6) Fictional robot dog | 13) "Nothing's more powerful than family" |
| 7) Food to entice prey | 14) Video game expo |

Answer: _____

#12: The Alpha Code



E



G



N



F



A



D



B



U



A



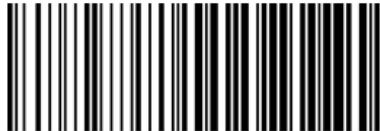
E
G
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T
A

Answer: _____

#13: Smudged Secrets



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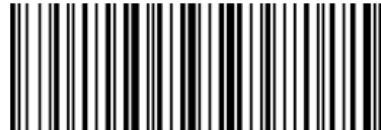
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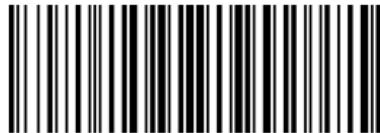
ISSN 2541-2365



ISSN 6144-6738



ISSN 464-3441



Answer: _____

#14: All Connected

8. $(A * B) - C - D + (E * B) = ?$

9. $A + (B * C) + (D * E) = ?$

10. $A + B + C + D - E - E = ?$

11. $A + B - C - D + E = ?$

12. $A * B + C + D - E = ?$

13. $A * B - C + D + E = ?$

Answer: 8 9 10 11 12 13 9

Answer: _____



#15: *Swordplay*

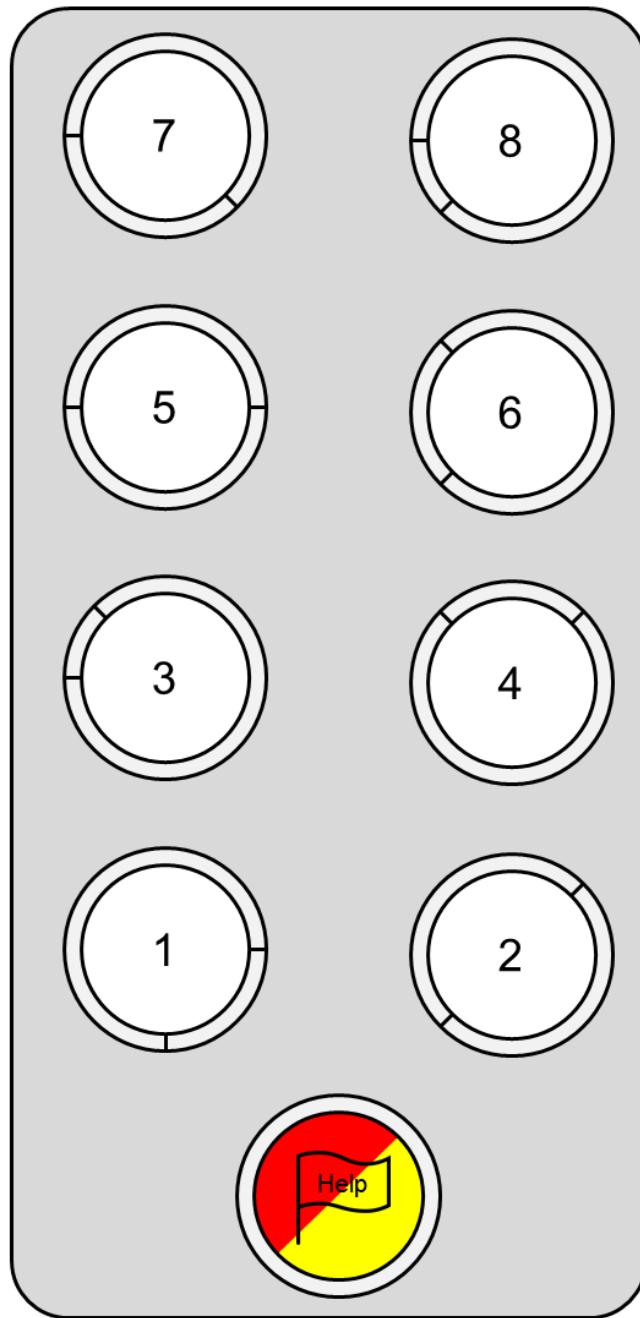
<https://www.youtube.com/watch?v=pxexY60K8r8>

Answer: _____



#16: Elevator Buttons

There are buttons for floors 1-8 as well as a flag to signal help button



Answer: _____



#17: Whomstdve Thought of That

Ex.



not

=



not

=



(person)

not

=



not

=



not

=



have

=



not

=



(slang)

are

=

Answer:

T	R	C	S	D	Z	U	J	E	H
B	R	C	H	J	K	T	R	U	I
T	A	S	H	E	G	A	W	I	U
M	Y	V	U	A	S	L	F	A	I
L	P	U	D	K	C	E	T	H	W
O	N	S	U	G	T	A	N	F	C
E	A	T	L	U	E	D	I	O	G

Answer: _____



#18: Double Trouble

Lollipop aid

Uprising soothing sound

Music group is forbidden

Alkaline string instrument

Contrary rear

Pummel borshct ingredient

Audibly permitted

Construct invoiced

Strange marketplace

Floor covering puzzle author

Conservative Shinto gateway

Gnaws on pick

Contained a hotel

Answer: _____



#19: Your Choice

See website

Answer: _____



#20: *Shell Injection*

Link: <https://replit.com/@matthew29tang/Shell-Injection>

Answer: _____



#21: 4D Music



6



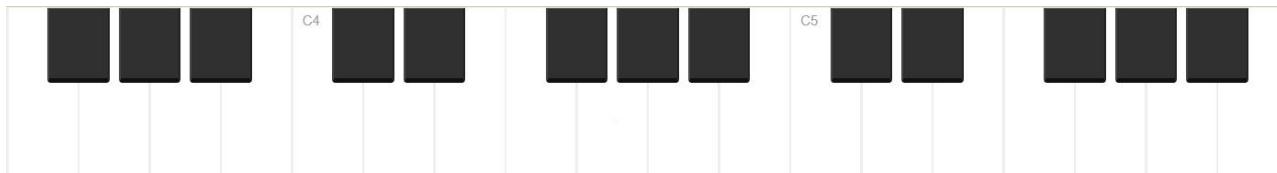
11



16



21

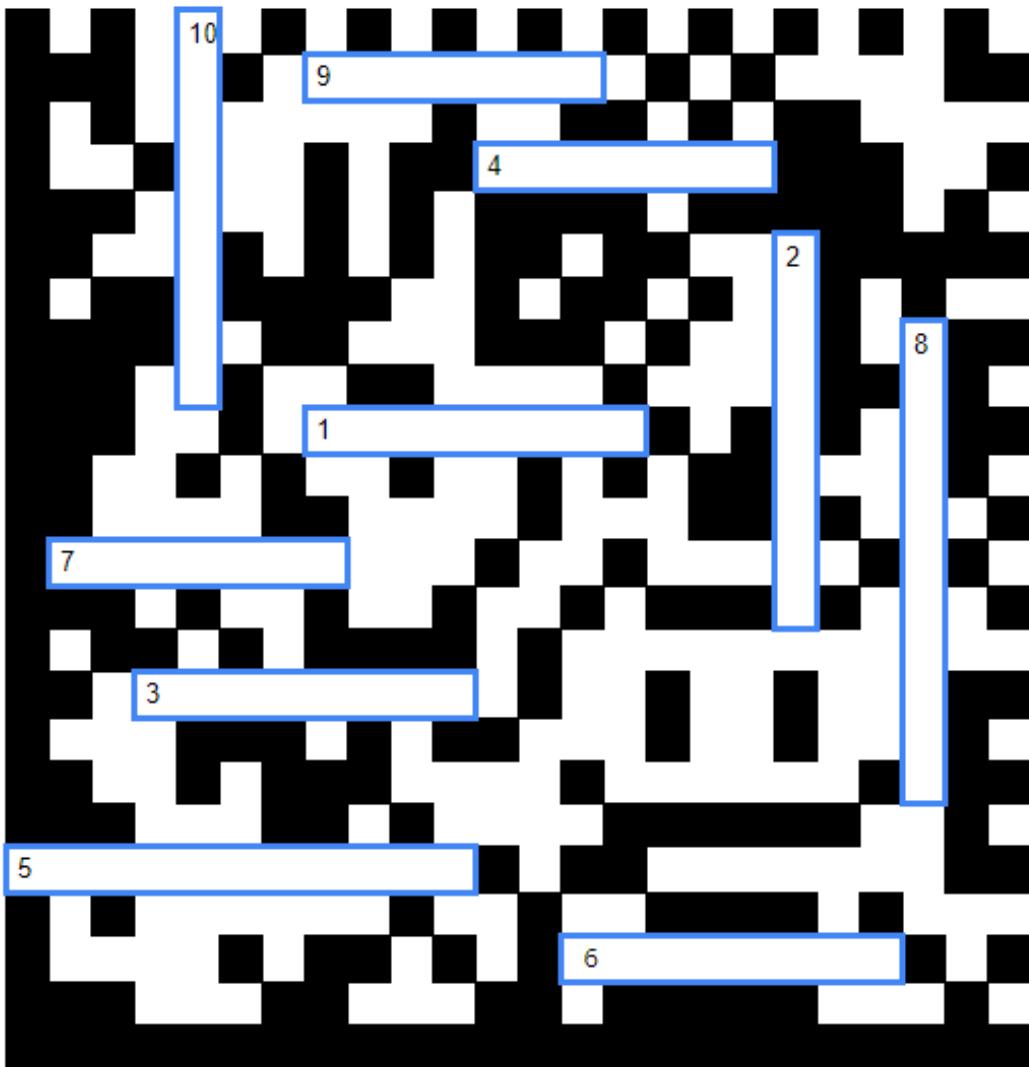


Answer: _____



#22: Breakdown v2.022

A, C, E, G, ... --> B, D, F, H, ... -->



- | | |
|---|---|
| 1) Noah's vessel containing bee nests | 6) A customary unit of length indicating absence of sound |
| 2) The base unit of electric current with granular material | 7) A set of equipment for your lower jaw |
| 3) Tricking someone at a Greek island | 8) The primary renters of an apartment |
| 4) To dislike a theatrical production | 9) Wearing face coverings for a time |
| 5) Leaving mutant hunting robots | 10) Military airborne weapon for a frog-like amphibian |

Answer: _____



#23: ***Small at heart***

To recollect (verb) – [1]

The new variant (noun) – [5]

Measure of hunger (plural) – [3]

Very deep (adverb) – [4]

To speak slightly of (verb, past tense) – [6]

A rebellion against authorities (gerund) – [4]

Answer: _____

#24: Deja Vu



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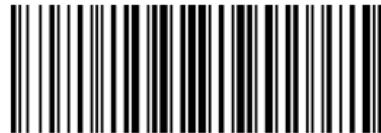
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Answer: _____



#25: Redacted

TOP SECRET

PROJECT SiMpLeX

PROJECT SiMpLeX is an initiative to create and visualize [REDACTED]. The goal is to allow clients to [REDACTED] versions of [REDACTED] to extract [REDACTED]. The project has 3 phases.

[REDACTED] consist of an environment and actors. The environment can be somewhat easily modeled, but modeling [REDACTED] is much harder. Due to the excessively large computation power required to simulate [REDACTED], AIL first trains artificial intelligence agents which act autonomously in the [REDACTED]. In order to do so, a large amount of training data was acquired over several years. This comprises the first phase, which is currently in progress.

The second phase consists of creating a [REDACTED]. The environment and actors are captured in a [REDACTED], re-enacting a [REDACTED] based on [REDACTED] and testimony accounts of an event.

An unknown third phase is planned for the project.

[REDACTED]
Answer: _____



#26: Stereo Hearts

Left:

<https://drive.google.com/file/d/1sbxheDGklgfNORX4V17a44KR4Fr-kZRg/view?usp=sharing>

Right:

<https://drive.google.com/file/d/1cTt527RYBrWDDkuBFw9WGjtFAqapFYFK/view?usp=sharing>

Clarification: Treat “me” as “e” in the final step

Answer: _____

#27A: The Amazon Code

22-15-8-6-4-11-25-20-19-7-23

Answer: _____

#27B: *Visualization*

(Do what part A says to do).

Answer: _____

#27C: YouTube

(Do what part B says to do).

Answer: _____