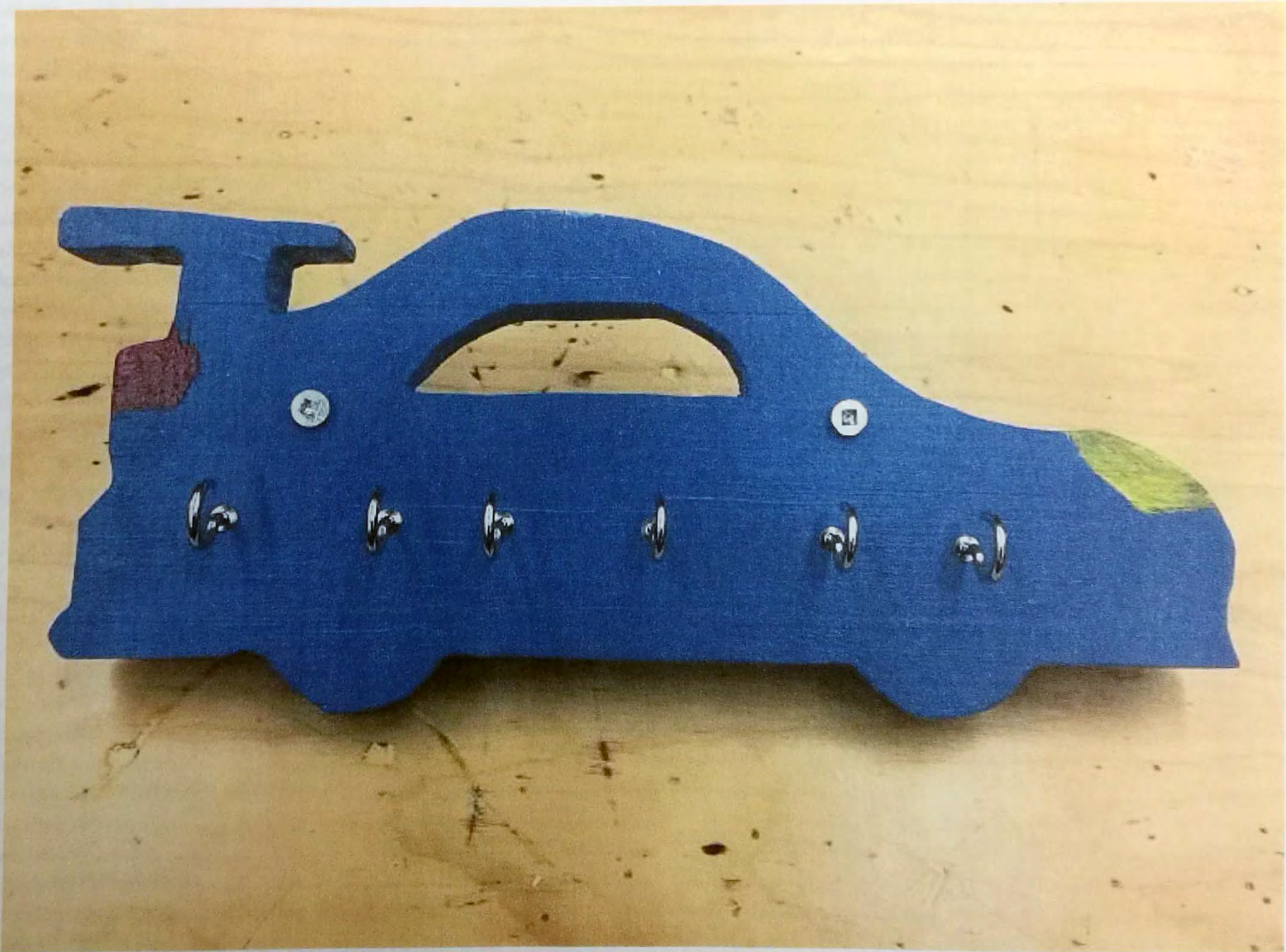


My Key Holder Project

By:





Exploring Technologies

Western Technical-Commercial School

Name: _____

Date: _____



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SPICE

Situation: I come home every day and my keys seem to get misplaced. I then decide that something has to be done so that the keys have a place to keep.

Problem/Challenge: The challenge is to design, cut, shape, and finish a custom key holder with following requirements in its design:

1. Minimum of at least 5 wide round cut corners
2. Minimum of at least 5 sharp insides or outside corners at any angle
3. At least one big non-circular hole, hint you will need to drill two holes close
4. A length of 20 to 26 cm
5. A minimum thickness of 9mm and minimum width of 2 cm width everywhere (keep in mind placement of hole and shape features)
6. Installed 4-6 key holder hooks with some method of mounting to wall
7. A smooth finish with no real sharp edges and corners
8. Finished and coated by brush to seal and protect the wood on front and sides
9. Your name permanently on the back of key holder, 20 mm Gothic font style
10. Require hand-sketched thumbnails, computer or hand sketched final full-size oblique, and a computer or hand sketched scaled orthographic of key holder shape
11. Final submission to include key holder and report (title page, SPICE process, rough work and sketches, and conclusion/reflection -digital and/or hand) in project box

Investigation/Ideas: I made 4 thumbnails, chose one design and made an ortho of it, and finally made a full-size oblique of my design.

Create/Construct: 1 Day for thumbnails, 1 day for ortho graphic drawing, 1 day for oblique, 3 days for key holder cut out and smooth, 2 days for 2 coats of finish, and 2 days for the report.

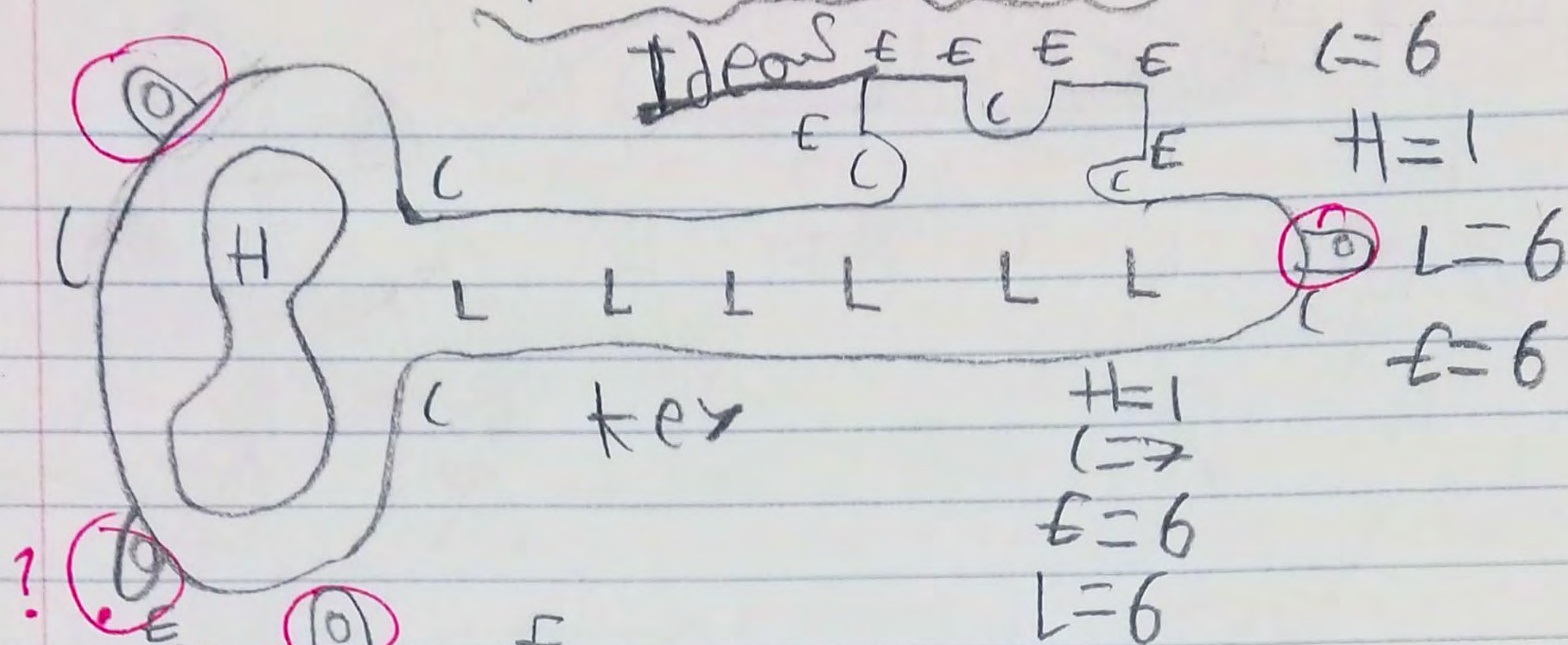
Evaluation: We learned how to safety work with common wood machines and tools, completing my wood finishing and sealing with a protective surface, I have learned some valuable skills to use in the future for your own projects and support future tech related projects.

NOT A
CONCLUSION
X

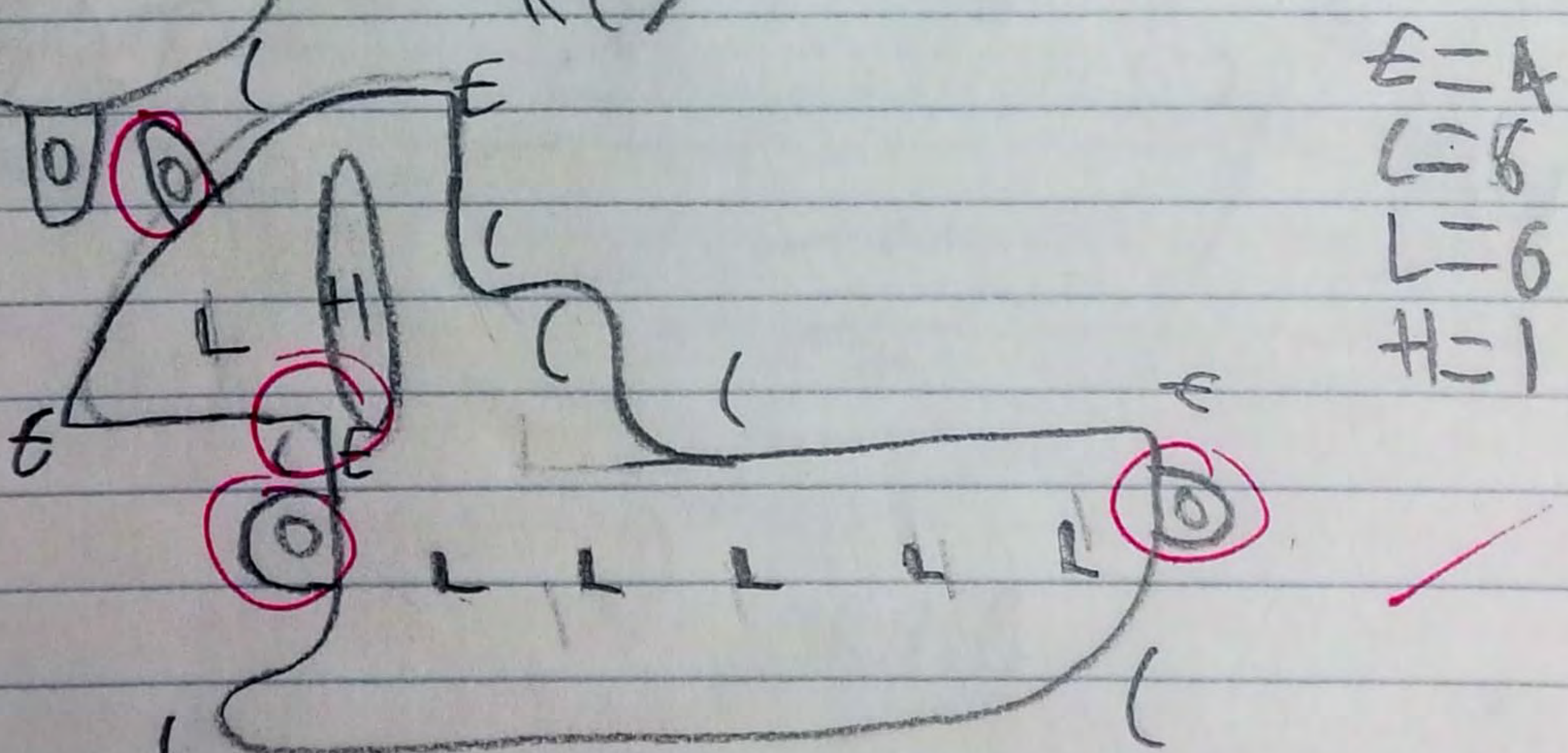
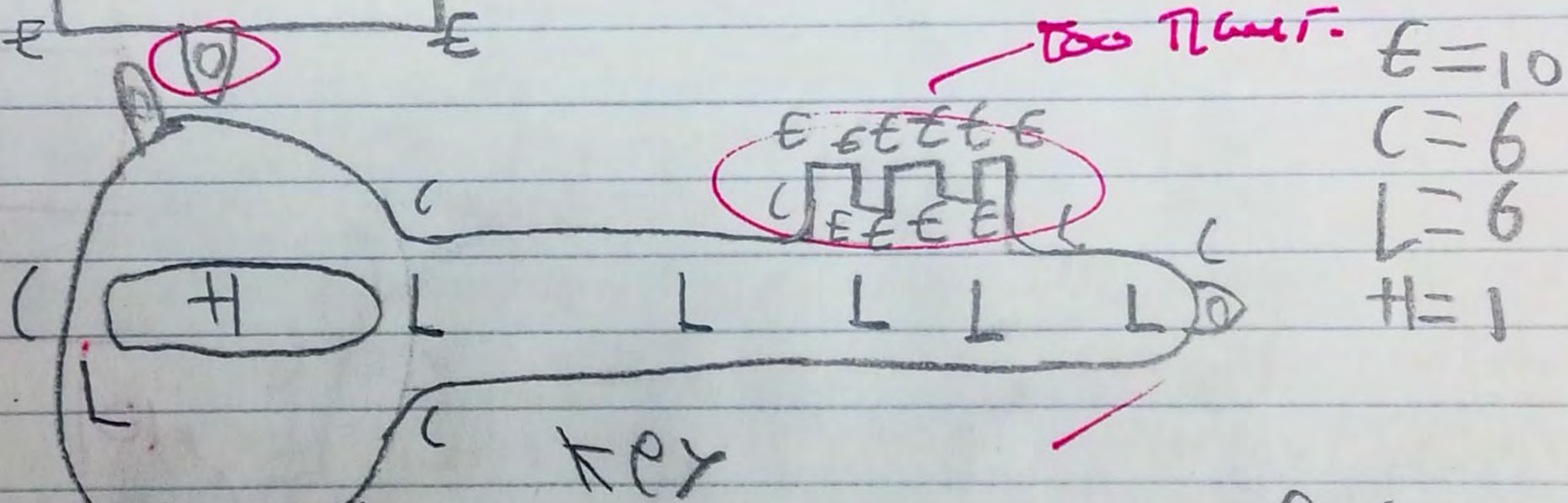
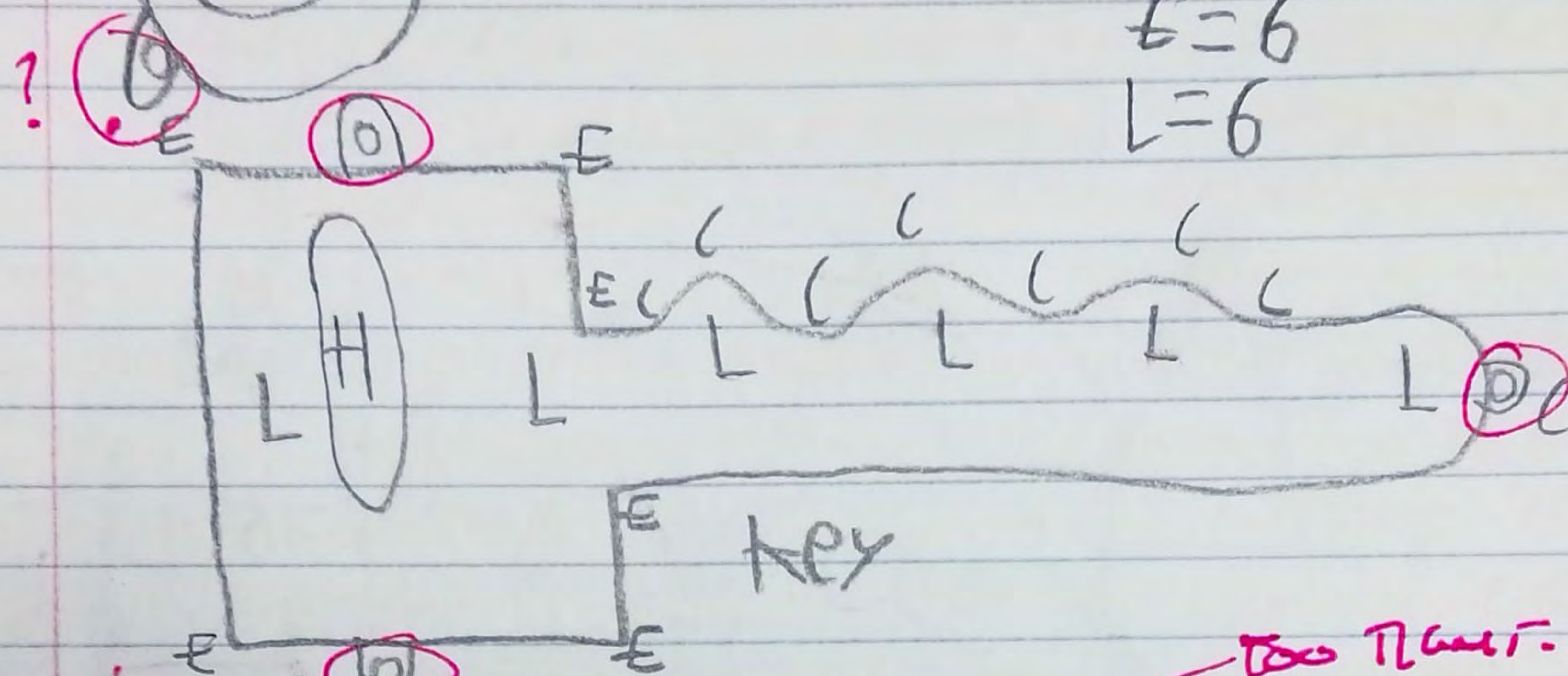
key holder

01/08/

sect

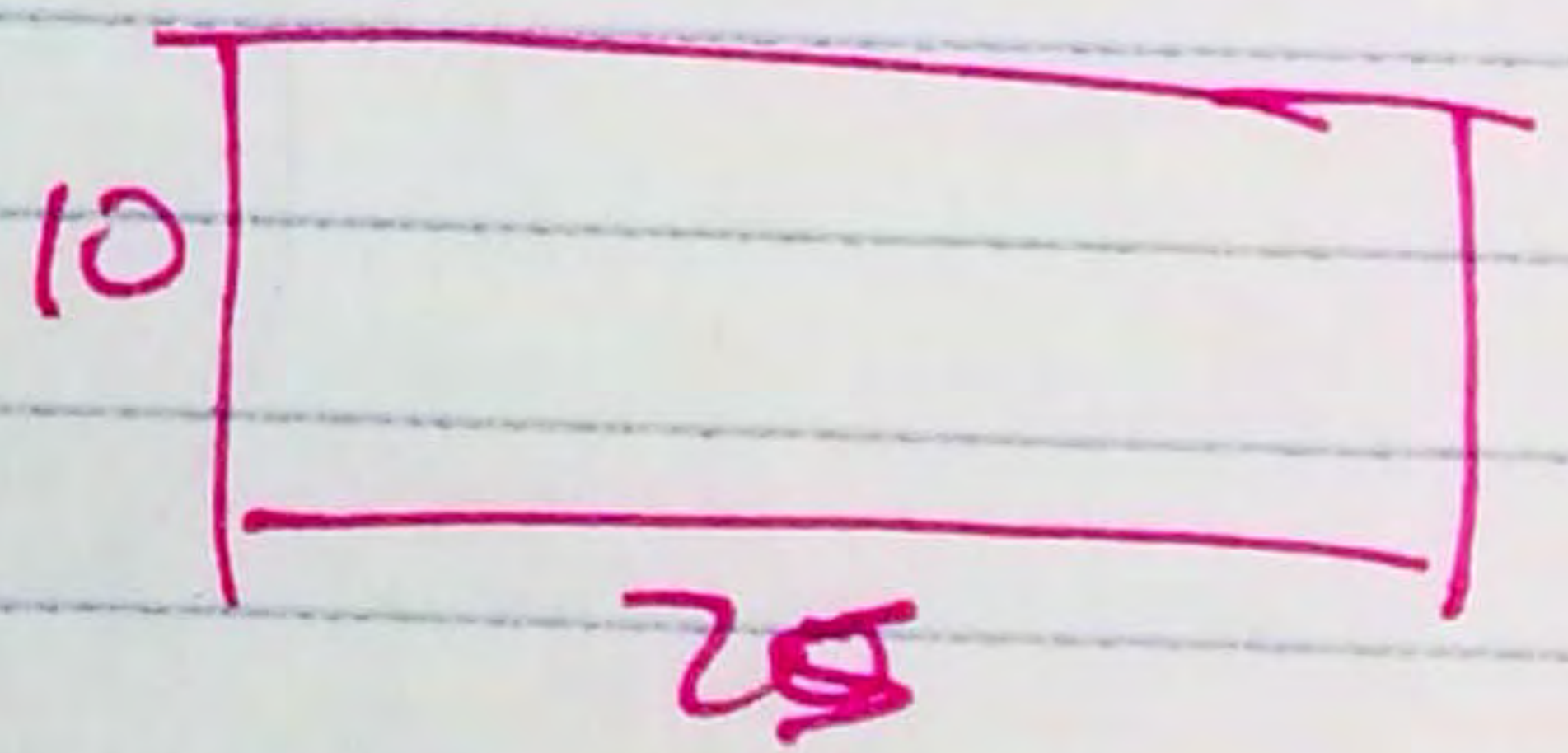
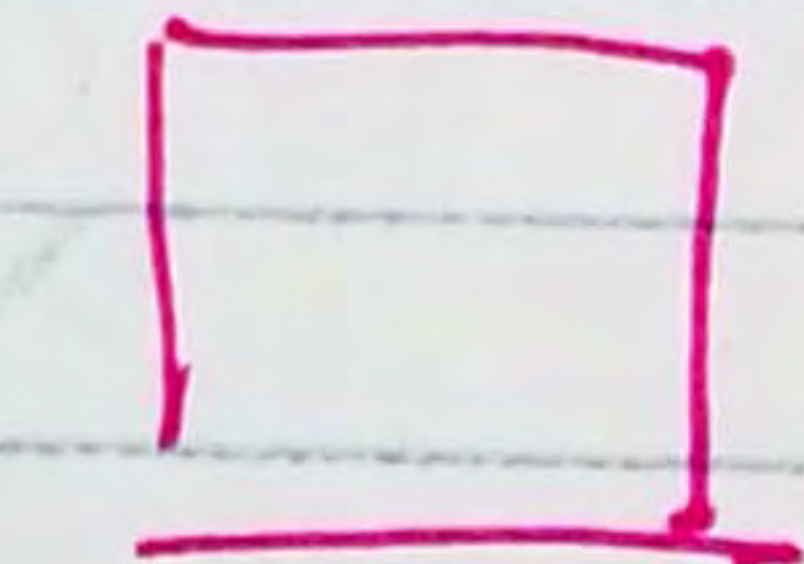
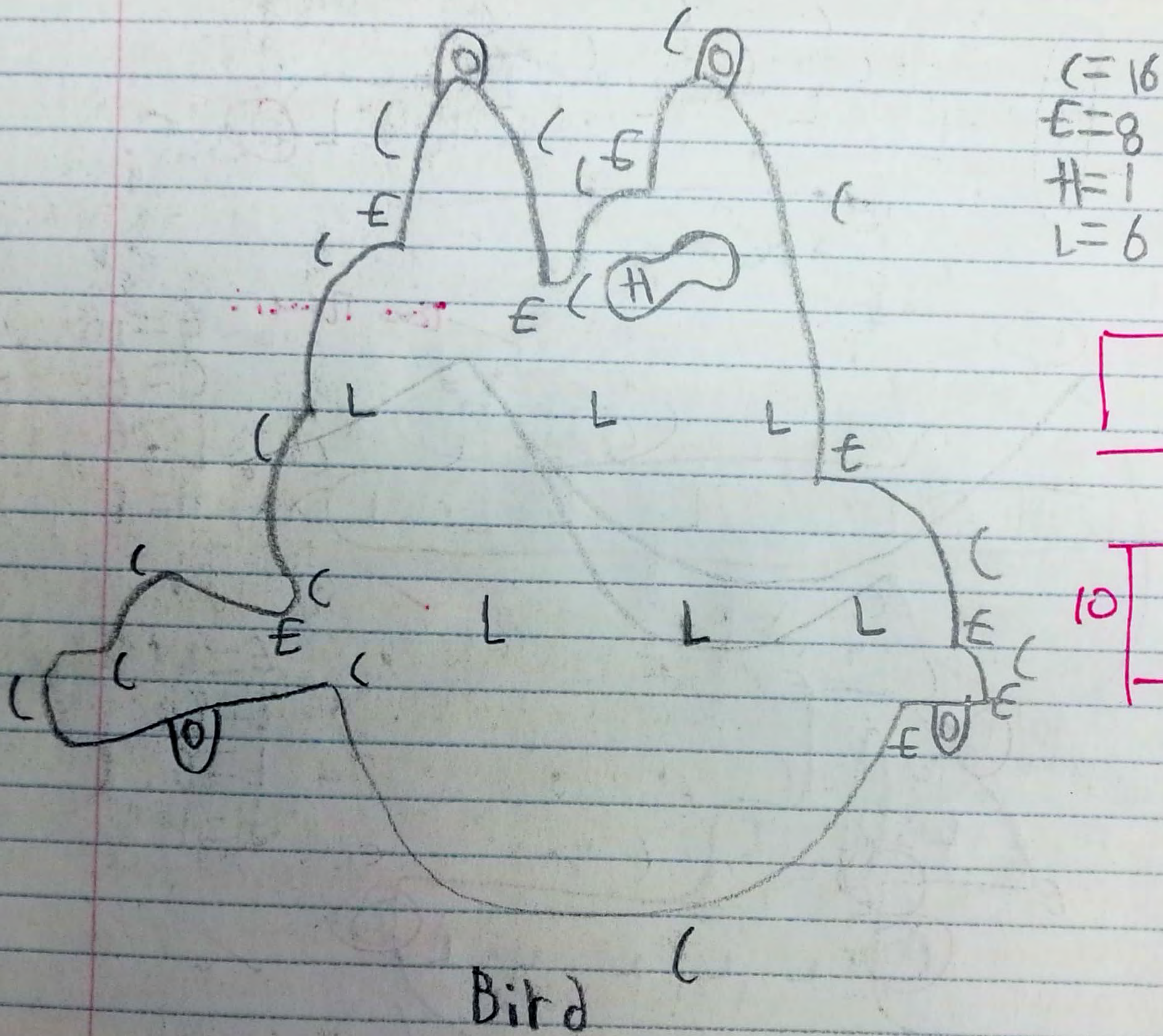
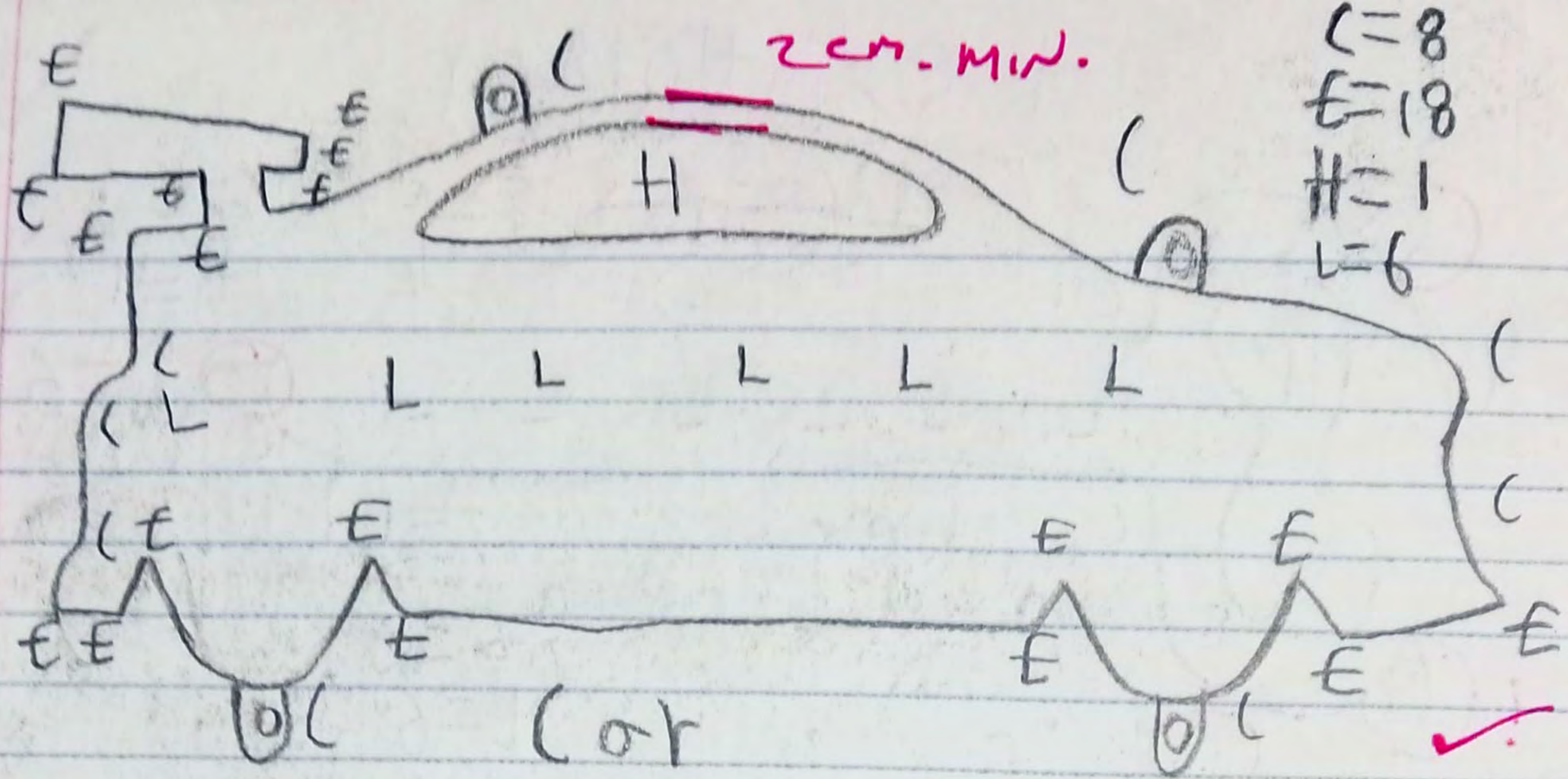


~~8~~
10



Honda Indy
Track

Which one?

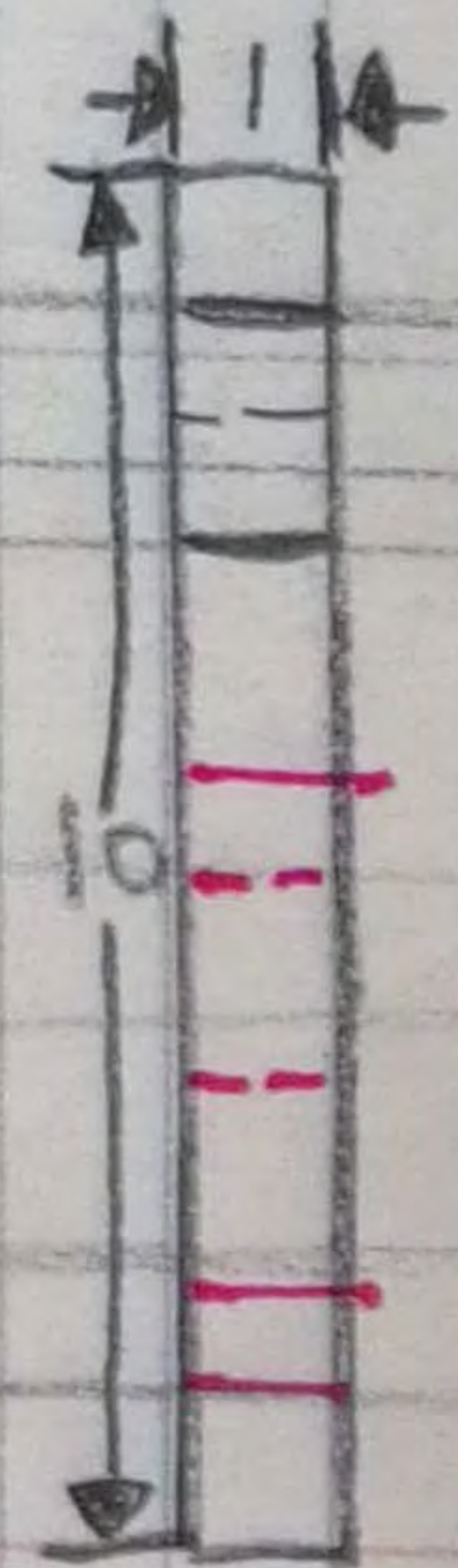
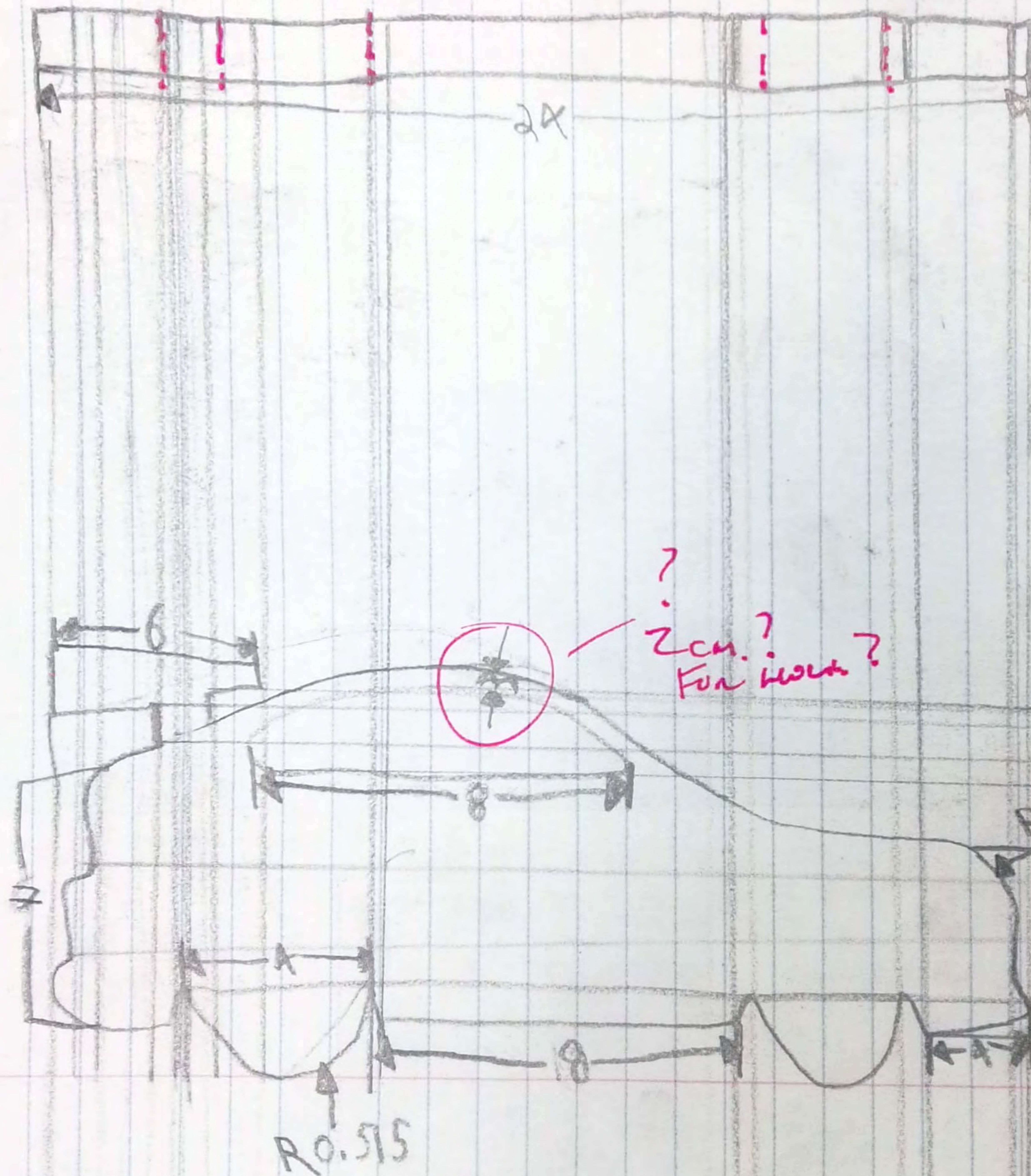


KEYHOLDER ORTHOGRAPHIC SKETCH

$\frac{8}{10}$

ORVOM
SECT:

NOTE: DIM IN CM
SCALE 1:2



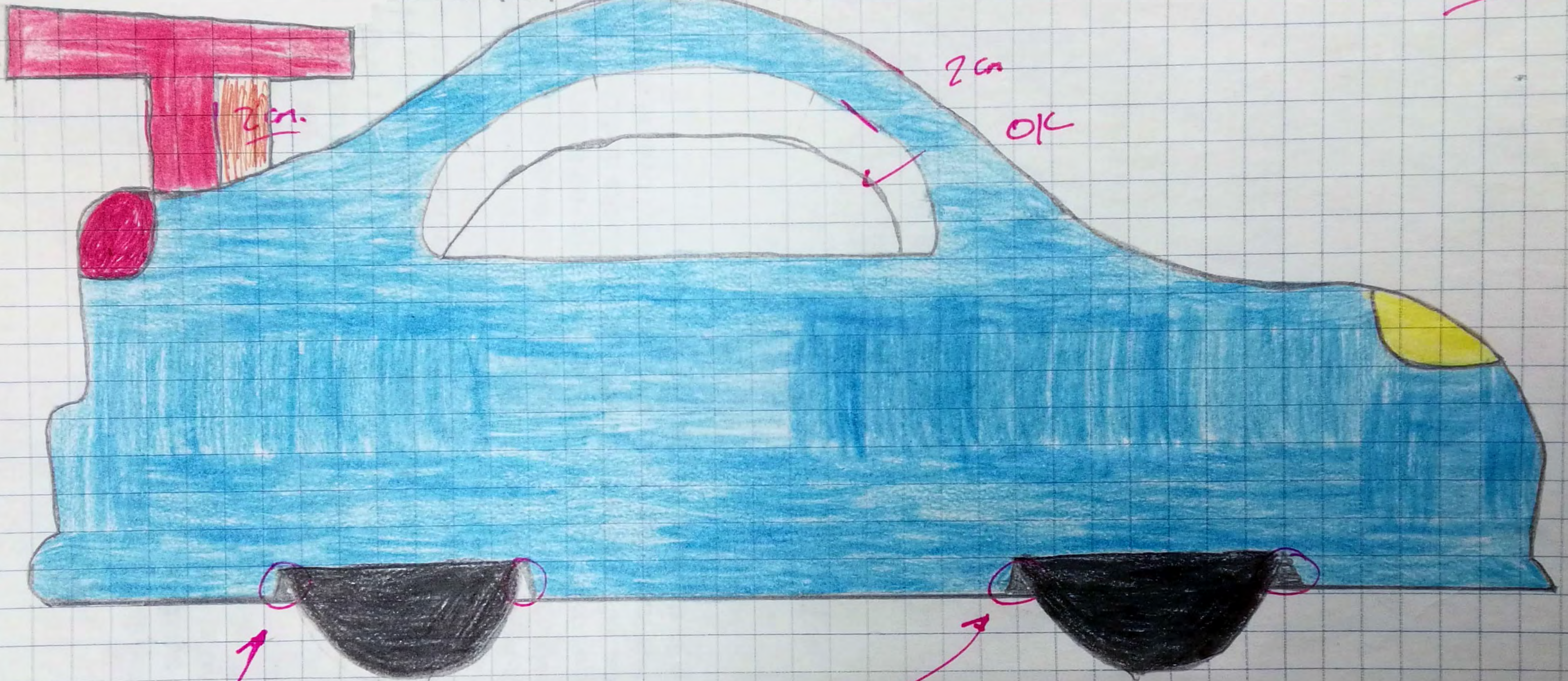
KEYHOLDER OBLIQUE FULL SCALE DESIGN

$\frac{8}{10}$

1/4 VOLUME
SECTION

OVERALL DIMENSIONS 24 X 10 X 1 CM

OK



FILL THESIS - WILL BE VERY HARD TO
SHAPE, SAND.

Tipi ?

Now that I've completed my key holder using your own pattern design, learning how to safety work with common wood machines and tools, completed my wood finishing and sealing with a protective surface, I've learned some valuable skills to use in the future for my own projects and support future tech related projects. This project was fun because it gave me a hands-on experience like never before, I've also never used these saws, or sanders before either. Coming into the project, it looked hard because I had to use tools I've never used before, I thought I couldn't do it and I wouldn't finish it in time. But turns out, I've finished the key holder and it looks better than I imagined it would be. First, I cutted the block to the size I needed it to be, then I cut out my car and sanded it. I then drilled out the big hole, rasped it, then filed it after that, I put the mounting holes. I then sanded down my piece for a smooth finish so it was ready for the primer. After the primer, I painted the car cyan with red brake lights and yellow headlights. I then drilled the holes for the hooks and put them in afterward. I put the mounting holes and I was done. I overall enjoyed this project and hope to do more hands on in the future.



Check List for Project Module

All work where possible must have a complete header, computer generated using previous made related templates with your logo. When handing in everything, double check prior to handing in by checking off the following items in chronological order.

Process Report in order:

- ☒ Duo-tang or report cover including:
- ☒ Title page
- ☒ Table of contents
- ☒ SPICE, steps you took, separate 1/2 a page typed
- ☒ *Five detailed thumbnail ideas, labels, full page, with symbol legend
- ☒ *Orthographic of key holder, 1:2 reduced scale – computer or hand
- ☒ *Oblique 1:1 full scale - computer or hand
- ☒ Conclusion reflection, separate 1/2 a page typed
- ☒ This check list- with items handed in, checked off
- ☒ Final self and peer evaluation paper

Finished Keyring Holder:

- ☒ Finished keyholder in project box along with above process report

*All due date components handed in will have already been checked with mark feedback and can be updated or redone and added to report for an improved mark.

You will be responsible for handing in a full report with a finished key holder in your project box



Index of Key Terms and Phrases:

Find ten new key terms or phrases and include the page number in the table below:

#	New Key Term or Phrase	Page #
1	Orthographic	5
2	oblique	5
3	primer	12
4	stain	12
5	clear coat	12
6	secondary colour coat	18
7	tint	18
8	CMYK system	18
9	primary colour match	18
10	ROSP	6



Exploring Technologies

Western Technical-Commercial School

Name:

Date:



The Key Holder is Made, Evaluation Sheet!

Peer Marker:

Activity Process and Product Steps

Problems identified and Requirements Met:

Was the problem identified and understood?

Does the key holder have 5 round corners, 5 sharp corners, one odd hole, 20 to 26 cm long, min 2 cm width, and a minimum of 9 mm thickness?

Does it have a smooth finish/coating, 4-6 hooks, and shows mounting method?

Finished with primer/paint or stain and/or clear coat properly?

Does the report have all requirements completed (check list)?

Total
Marks

Self
Mark

Peer
Mark

Earned
Marks

5

5

5

5

Research and Information:

What ideas were found and implemented into the design

Does the report show/document this research and investigation process well?

5

5

4

5

Rough Ideas, Designs and Possible Solutions:

Completed thumbnail sketches on a full page with legend and details?

Sketches show meaningful practical possibilities?

Do your sketched ideas, notes, support your final design?

10

10

10

10

Final Design showing Solution:

Did you use computer (preferred) or hand drawn final ideas?

Orthographic 1:2 reduced scale drawn?

Is your oblique view drawn well showing shape, size, and colour(s), full 1:1 scale, original wood size drawn?

20

17

18

20

Workmanship: Construction: Product:

Were the right tools used and shown in the workmanship?

Is the key holder accurate to original plan (lay over ISO to check)?

Is quality present, smoothness observed, and finish surface completed?

Is the report generally well put together and complete?

20

15

18

18

Finished Product: Solution:

Colour(s), look good, interesting, would I hang this on my wall?

Is the report done well, templates used, good reflection, and learning achieved?

If you could have done this project again what would you do differently or how would you improve the product or time taken to make the product?

Do more accurate cuts for my cat.

40

37

37

37

Final mark:

Based on % finished and completion and fulfillment of requirements of the problem. Peer and Self evaluation marks must be added up in this row!

→

100

89

92

95

Teacher Comments: