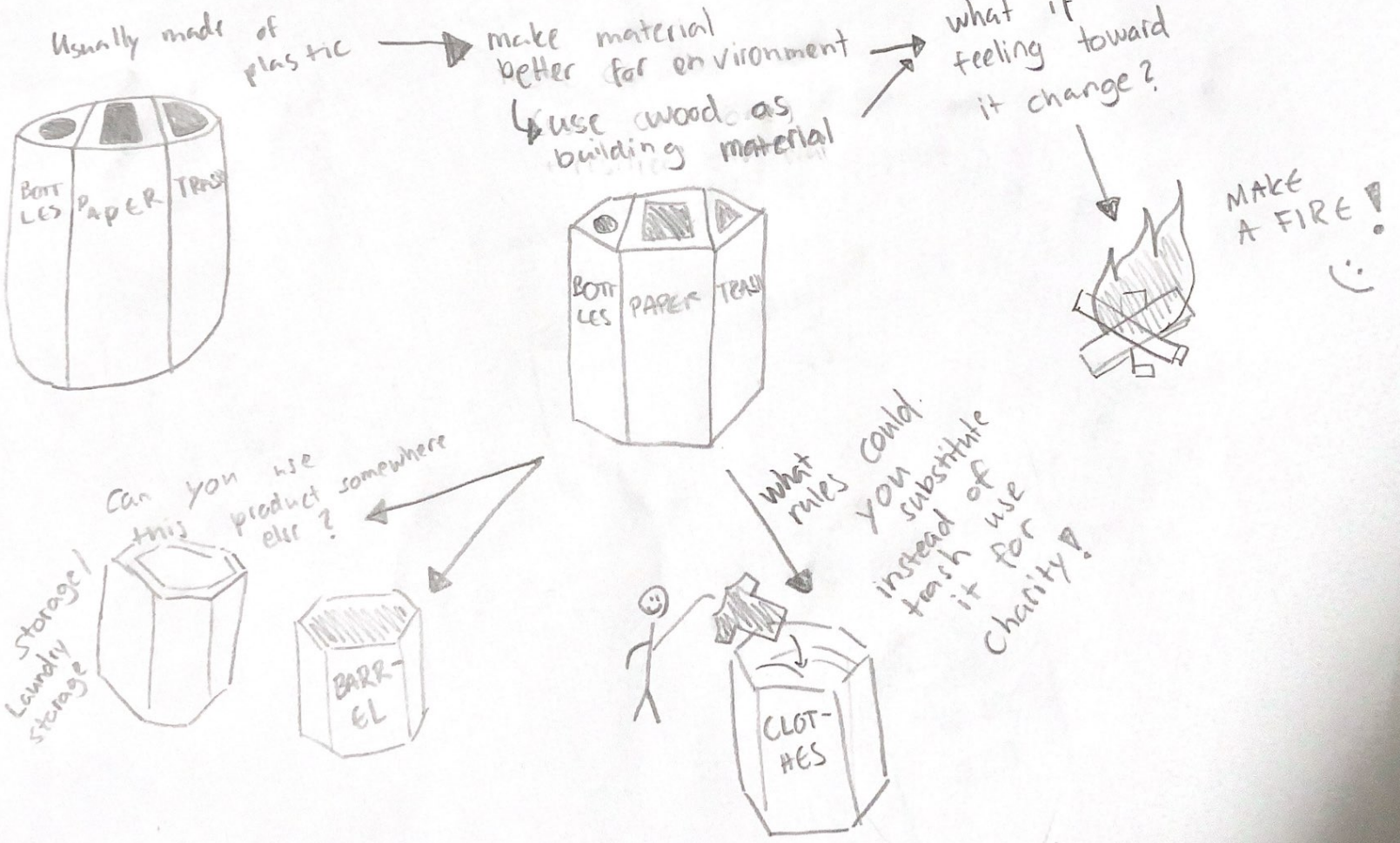
Exercise 4

4A. SCAMPER method (1/7)

Topic: SMALL RECYCLING STATION

THIS IS THE MOST VIABLE IN MY OPINION

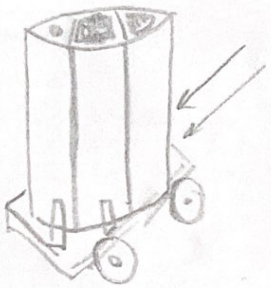
1. Substitute What materials or resources can you substitute or swap to improve the product?
What other product or process could you use?
What rules could you substitute?
Can you use this product somewhere else, or as a substitute for something else?
What will happen if you change your feelings or atitude toward this product?



4A. SCAMPER method (2/7)

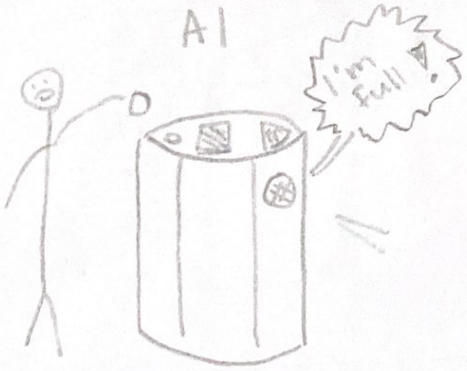
2. Combine What would happen if you combined this product with another, to create something new?
What if you combined purposes or objectives?
What could you combine to maximize the uses of this product?
How could you combine talent and resources to create a new approach to this product?

Combined with robot moves on its own!

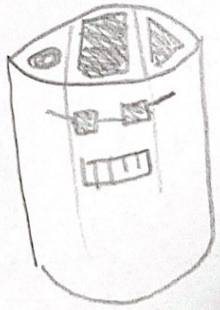


Combining purposes

Can fill water bottles! → No need to throw that cola bottle away (yet)



I would combine it with AI



Can inform user if putting trash in wrong hole

Inform where closest non full trash bin is

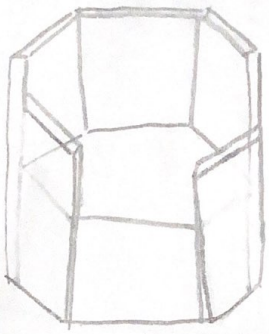
4A. SCAMPER method (3/7)

3. Adapt

1. How could you adapt or readjust this product to serve another purpose or use?
2. What else is the product like?
3. Who or what could you emulate to adapt this product?
4. What else is like your product?
5. What other context could you put your product into?
6. What other products or ideas could you use for inspiration?

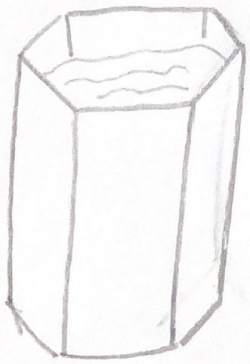
Cut it a little bit

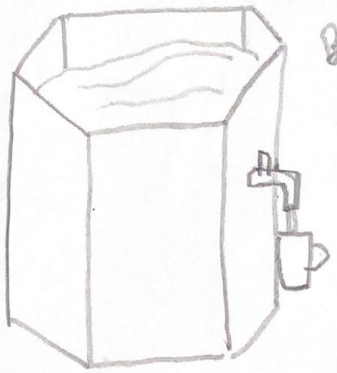
4.



Ta Da
It's a
chair?

2. It is a bit
like a barrel → Put a tap on it





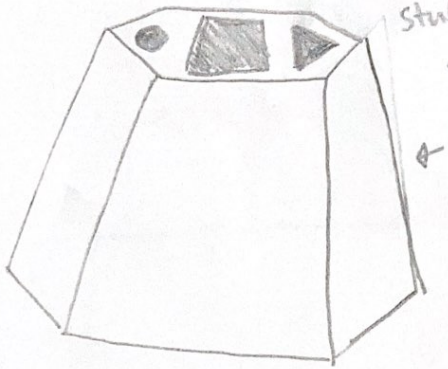
~~Beer~~ Water
refill

4A. SCAMPER method (4/7)

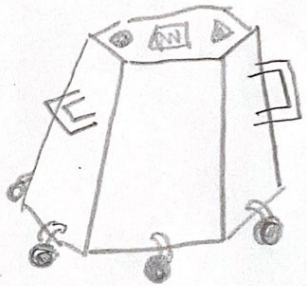
4. Modify

How could you change the shape, look, or feel of your product?
What could you add to modify this product?
What could you emphasize or highlight to create more value?
What element of this product could you strengthen to create something new?

Make it bigger, fits more stuff, maybe also a bit triangular



Add wheels for easier movement and handgrips



Emphasize how good recycling is for the enviroment

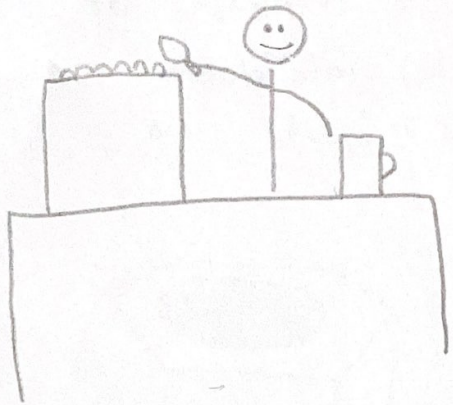
Make it out of concrete, it can be used as a shelter

4A. SCAMPER method (5/7)

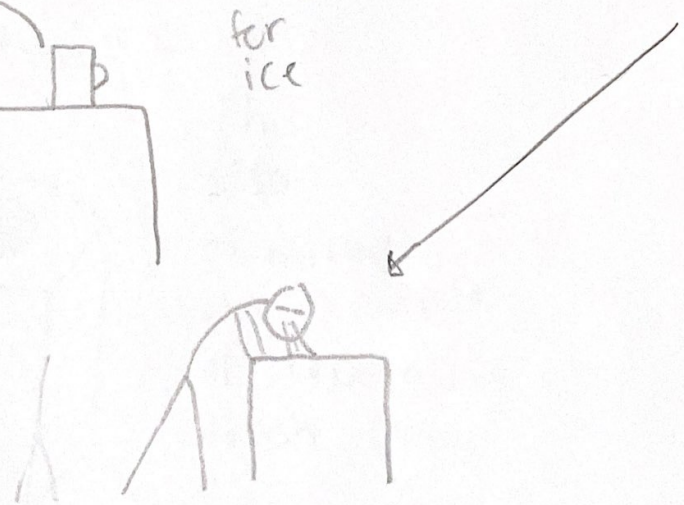
5. Put to Another Use

Can you use this product somewhere else? perhaps in another industry?
Who else could use this product?
How would this product behave differently in another setting?
Could you recycle the waste from this product to make something new?

Use it in a bar e.g. storage for ice



The over drunk guy can puke in one



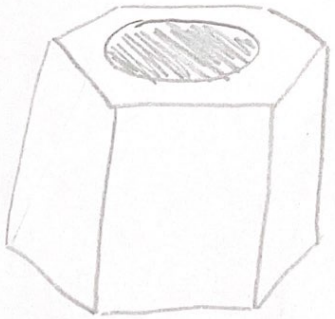
It can be melted for reuse!

4A. SCAMPER method (6/7)

6. Eliminate

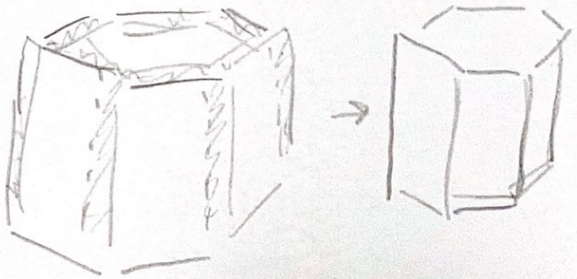
How could you streamline or simplify this product?
What features? parts? or rules could you eliminate?
What could you understate or tone down?
How could you make it smaller? faster? lighter? or more fun?
What would happen if you took away part of this product?
What would you have in its place?

Take out the top to create it a trash bin for all stuff!

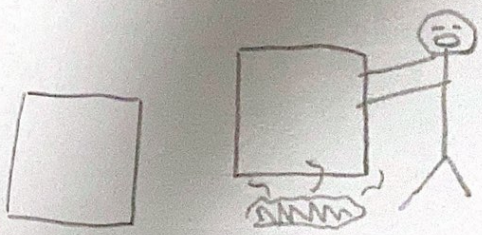


This also eliminates the purpose of separating trash (bad)

Just cut it from all sides and it becomes smaller



Take the bottom off and it is useless!

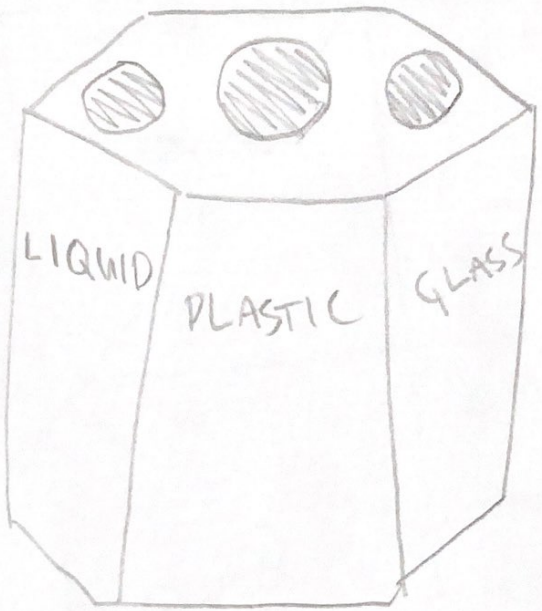


4A. SCAMPER method (7/7)

7. Reverse

What would happen if you reversed this process or sequenced things differently?
What if you try to do the exact opposite of what you're trying to do now?
What components could you substitute to change the order of this product?
What roles could you reverse or swap?
How could you reorganize this product?

You can change the roles of each section of the trash bin this way it changes its purpose completely

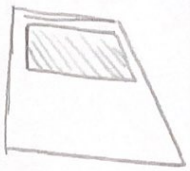
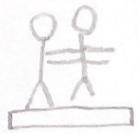
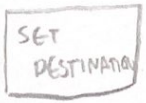
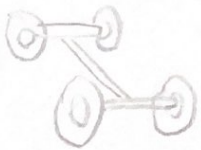
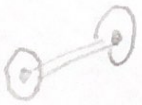
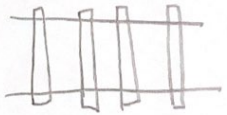


Exercise 4

4B. Morphological Analysis method (1/\)

Critical functions (name):

Task: Transportation for urban transportation for 2 people

Option	A: Safety	B: Convenience	C:	D:	E:
Cabin 1				Open air 	Fully open air 
Controls 2	normal wheel 	Scooter handle 	Auto control (AI)  SET DESTINATION	fully automatic control NEXT DESTINATION KAJAANI	
Movement 3	4-axle 	2-axle 	Rails 	WATER 	
Power source	Gas	Electrity	Pedals		