

# Recyclable Sorter

Trisha & Julyan



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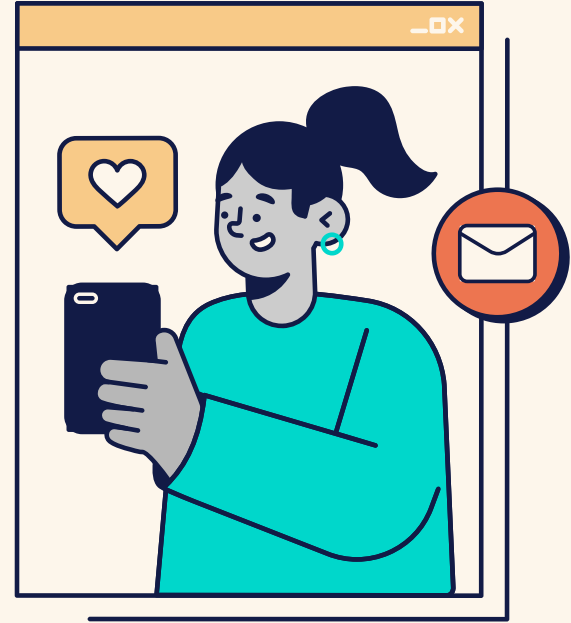
01

# Introduction



# Purpose

- Differentiates between items of different materials



# Common materials found in recyclables



## Paper

- Newspapers
- Cardboard boxes
- Envelopes



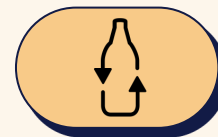
## Metal

- Beverage cans
- Biscuit tins
- Metal cutlery



## Plastic

- PET bottles
- Plastic bags
- Shampoo bottles

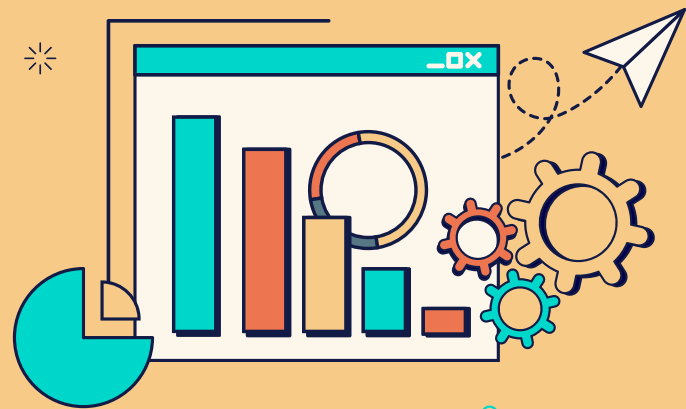


## Glass

- Food jars
- Cosmetic bottles
- Liquor bottles

02

Data



# Where did we source our data from?



← Kaggle

# Why Kaggle?

- Open source
- Access to a wide range of data

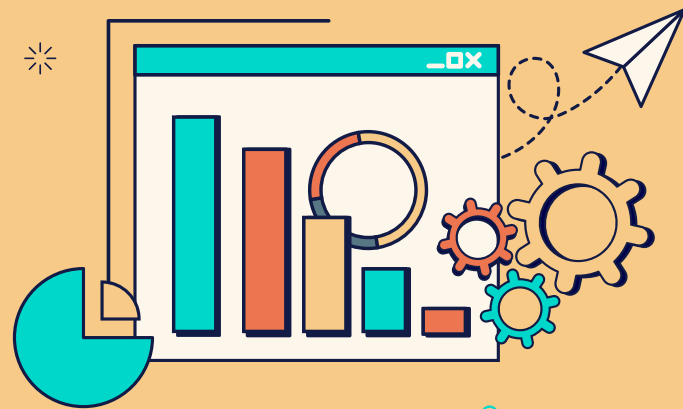


# Challenges faced

- Overfitting
- OpenCV

**03**

# Chosen model





Recyclable Sorter model

# Teachable Machine

plastic 

482 Image Samples



paper 

594 Image Samples



metal 

410 Image Samples

## Training

Model Trained

Advanced 

Epochs: 60 



Batch Size: 16 



Learning Rate:

0.001 



Reset Defaults 

Under the hood 

Preview

 Export Model



Output

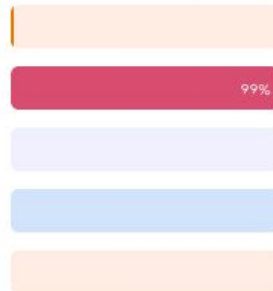
glass

plastic

paper

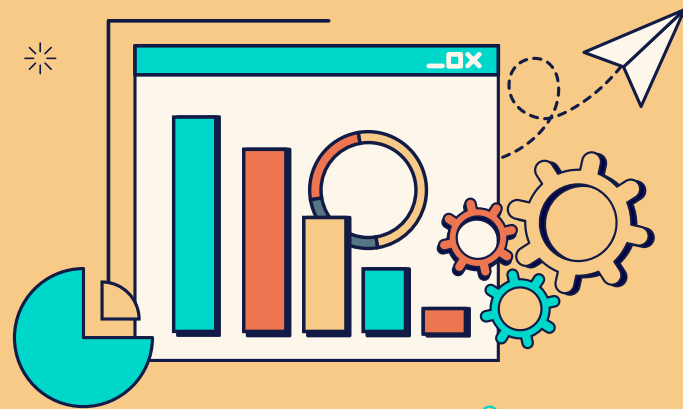
metal

backg...



**01**

# Face recognition



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Face detection model

# Evaluation







**9h 55m 23s**

Jupiter's rotation period

**333,000**

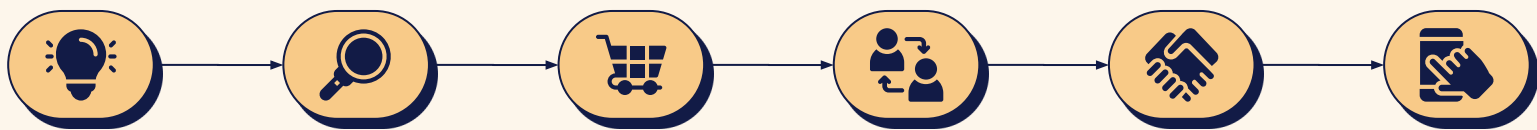
The Sun's mass compared to Earth's

**386,000 km**

The distance between Earth and the Moon



# Buyer journey map



Trigger	Review	Purchase decision	Engagement	Relationship management	Renewal
Mercury is the closest planet to the Sun and the smallest of them all	Venus has a beautiful name and is the second planet from the Sun	Earth is the third planet from the Sun and the only one that harbors life	Despite being red, Mars is actually a very cold place. It's full of iron oxide dust	Saturn is a gas giant and has several rings. It's composed mostly of hydrogen	Neptune is the farthest planet from the Sun. It is very far away from us

# The B2B marketing funnel





# 98,300,000

Big numbers catch your audience's attention



# Conclusion

# Optimize your website

## Three improvements



### Image compression

Mercury is the closest planet to the Sun



### Page load speed

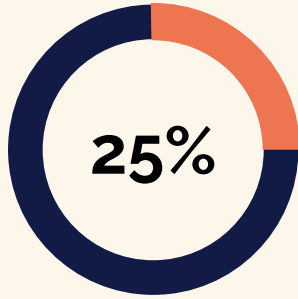
Mercury is the closest planet to the Sun



### XML sitemap

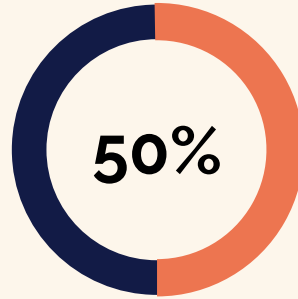
Mercury is the closest planet to the Sun

# Let's use some percentages



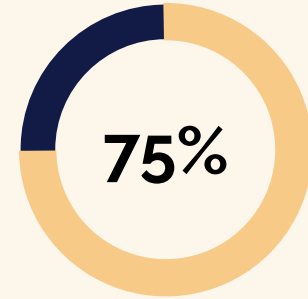
## Mercury

Mercury is the closest planet to the Sun and the smallest one of them all



## Venus

Venus has a beautiful name and is the second planet from the Sun



## Mars

Despite being red, Mars is actually a cold place. It's full of iron oxide dust

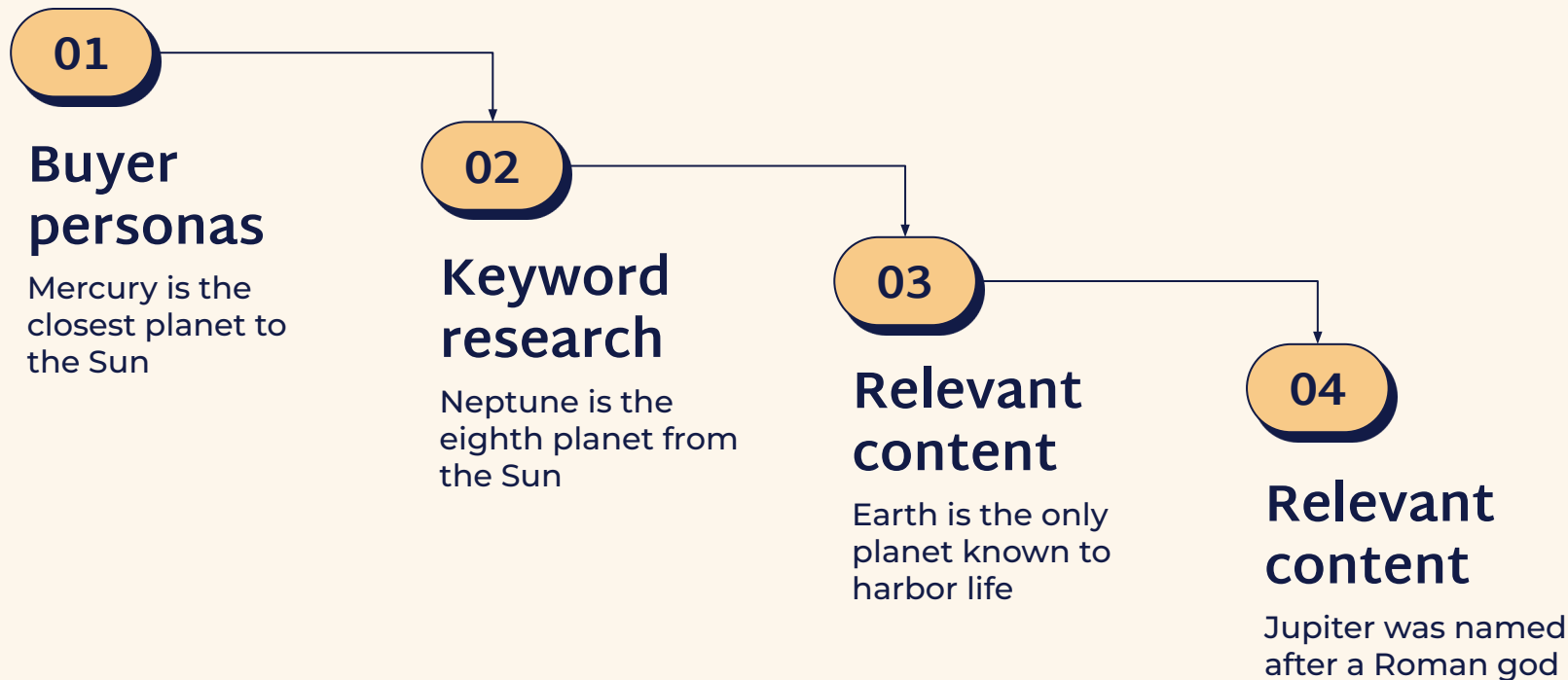
# Computer mockup

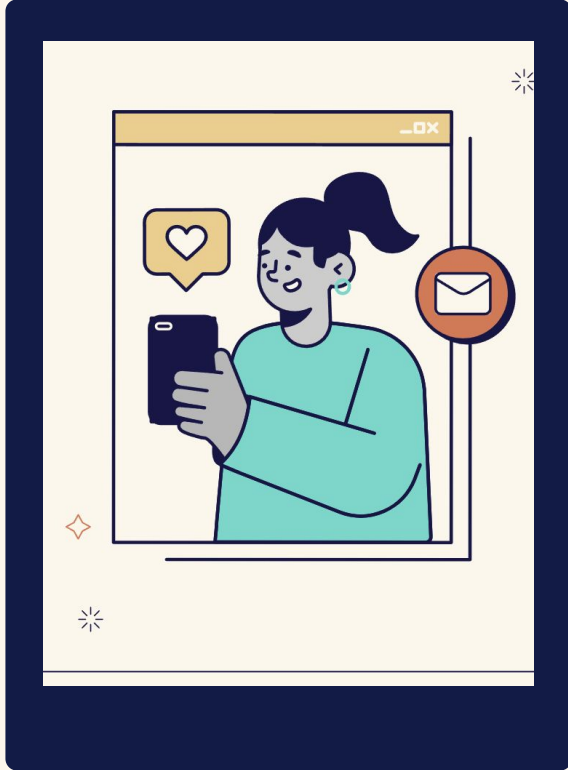
You can replace the image on the screen with your own work. Just right-click on it and select "Replace image"





# Create an effective B2B SEO strategy





# Tablet mockup

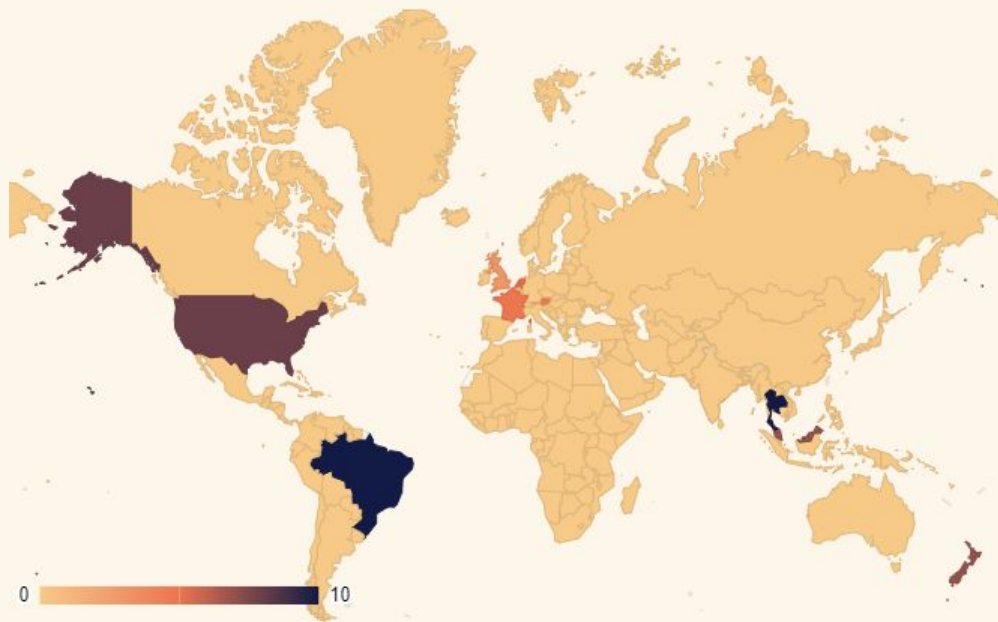
You can replace the image on the screen with your own work. Just right-click on it and select “Replace image”

# Phone mockup

You can replace the image on the screen with your own work. Just right-click on it and select "Replace image"



# This is a map



**Mars**

Mars is very cold



**Mercury**

Mercury is small

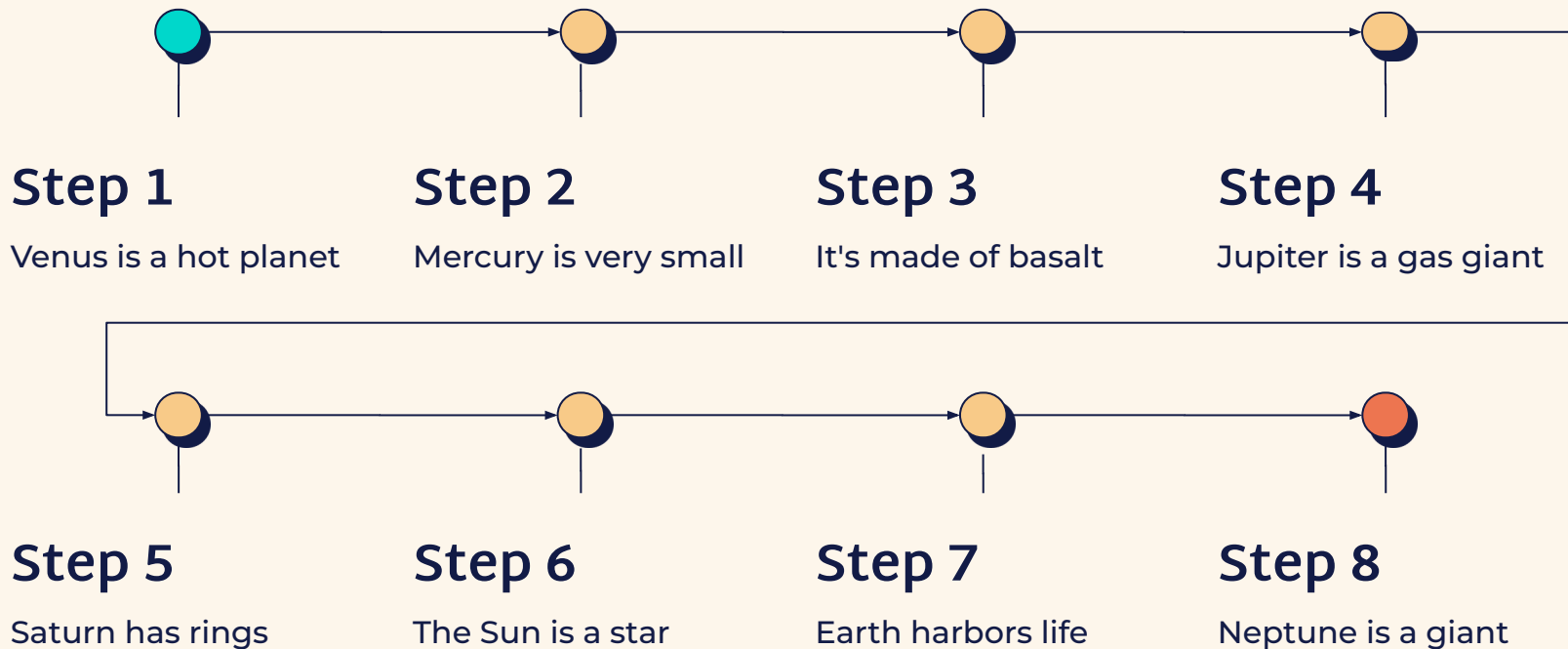


**Venus**

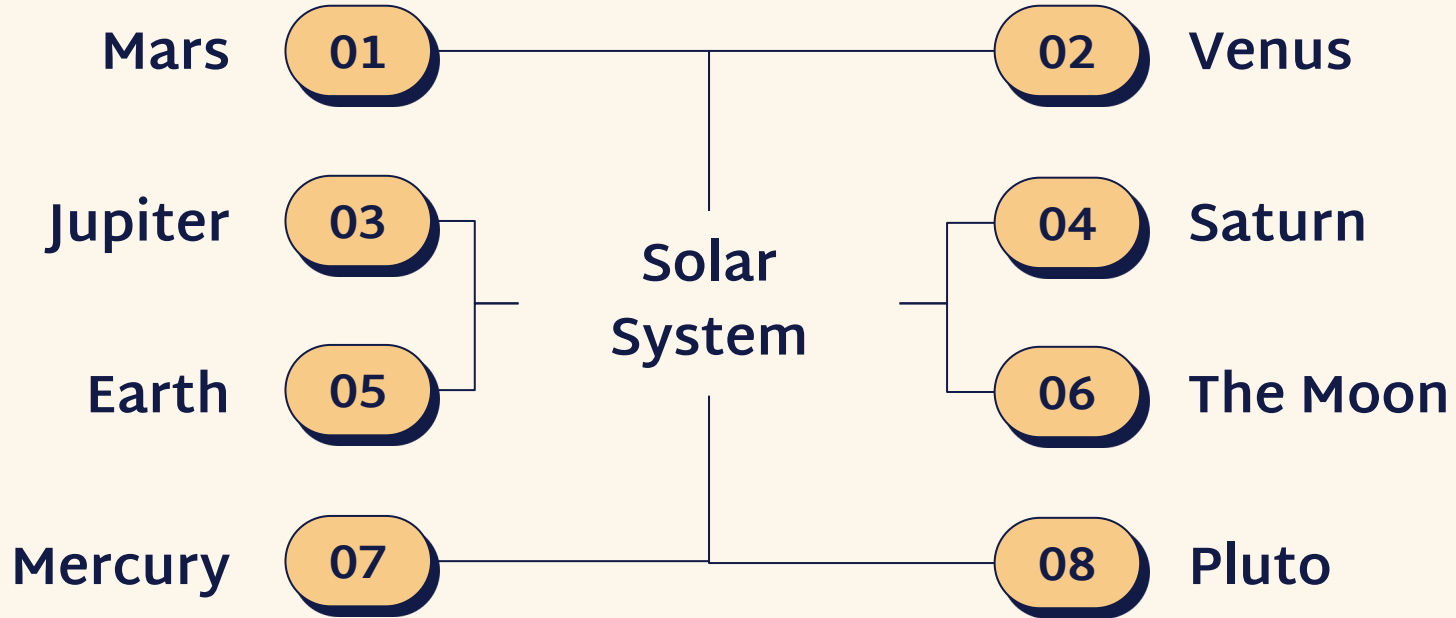
Venus is very hot

Follow the link in the map to modify its data and then paste the new one here. [For more info, click here](#)

# A timeline always works well





# Infographics are useful



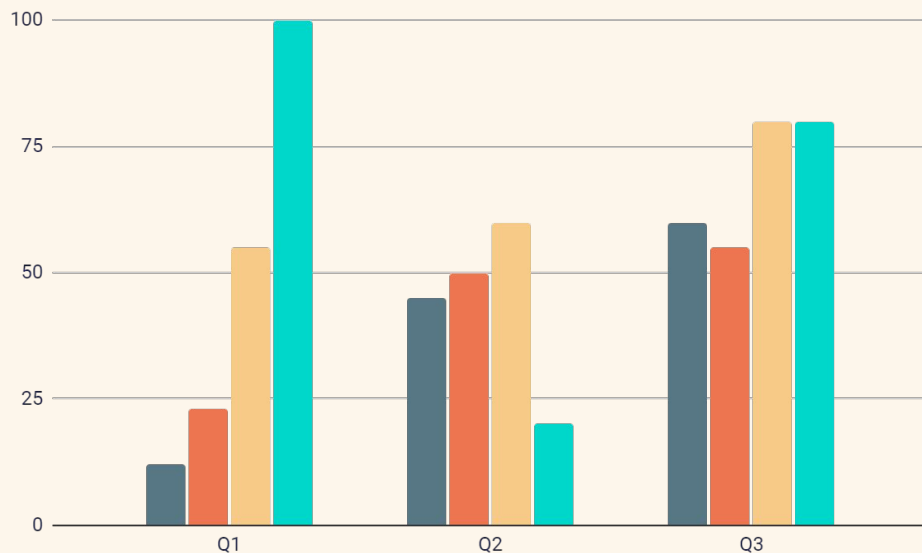


# Use tables to represent data

	Team A	Team B	Team C	Team D	Team E	Team F
Mercury	XX	XX	XX	XX	XX	XX
Mars	XX	XX	XX	XX	XX	XX
Saturn	XX	XX	XX	XX	XX	XX
Venus	XX	XX	XX	XX	XX	XX
Jupiter	XX	XX	XX	XX	XX	XX
Earth	XX	XX	XX	XX	XX	XX
Pluto	XX	XX	XX	XX	XX	XX



# You can use this graph



Team 1

Team 2

Team 3

Team 4

Follow the link in the graph to modify its data and then paste the new one here. [For more info, click here](#)





# Different elements in B2B SEO

Choose your strategy

01

**Technical  
SEO**

Venus is the second  
planet from the Sun

02

**Content  
SEO**

Mars is actually a  
very cold place

03

**On-page  
SEO**

It's the biggest  
planet of them all

04

**Off-page  
SEO**

Neptune is far away  
from Earth



# Our team ✨



**Sofia Hill**

You can speak a bit about this person here



**Timmy Jimmy**

You can speak a bit about this person here



# Thanks!

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