





The city of London is home to many things. There are families helping each other, teachers guiding young minds, bakers making delicious bread, police officers keeping people safe on the streets...



But there is also a dark side to the city. A side where crime and terrible things happen. When these awful crimes are too mysterious for the police, that is when Detective Holmes is called in to solve the case.

MYSTERY

1



1

A man is found dead in his office.



He was shot and left to die by an unknown person.

1



Detective  
Holmes is called  
in to investigate  
the murder.



1

There are three suspects:



His wife: Julia



His brother: George



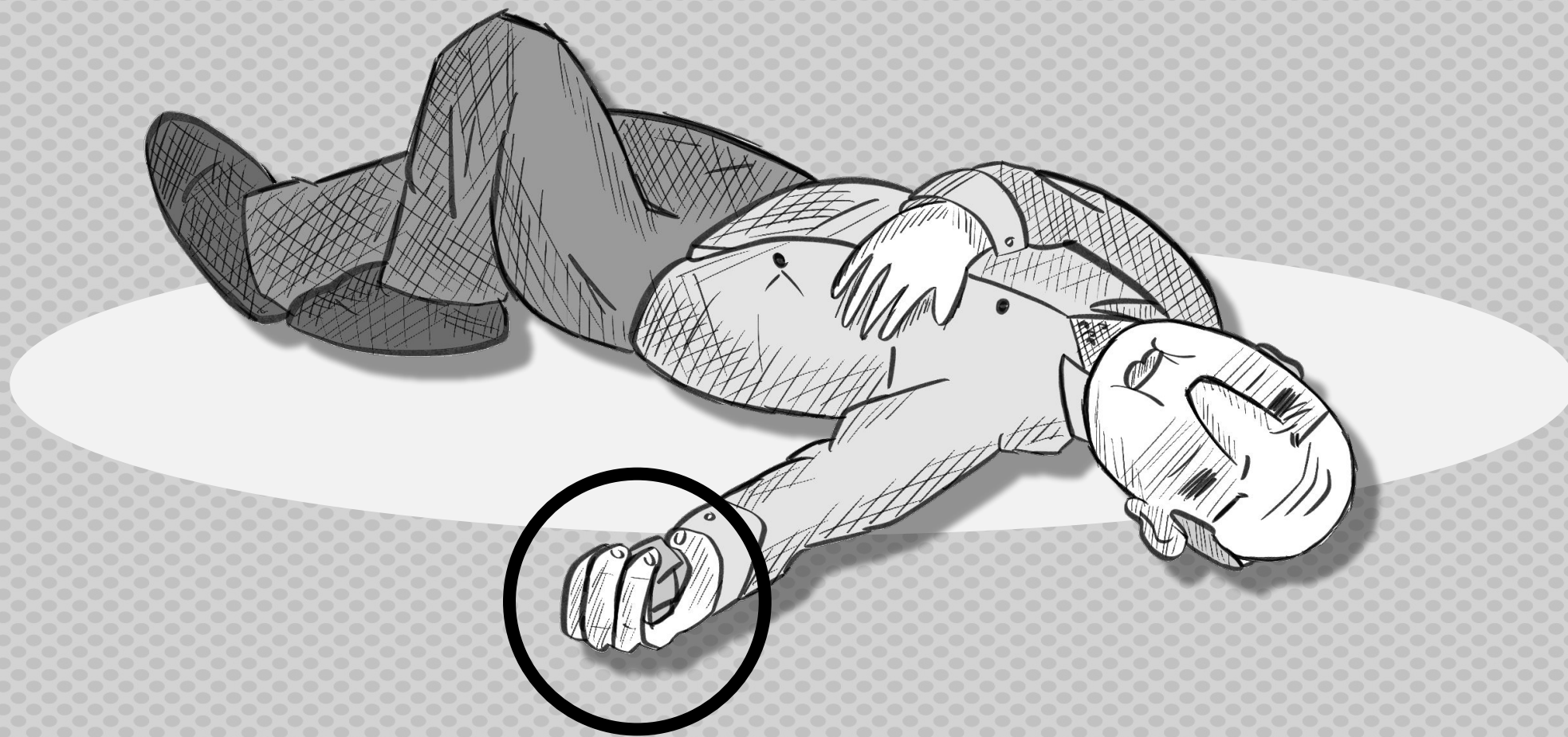
His friend: Jason

Detective Holmes believes they each had reasons to kill.



1

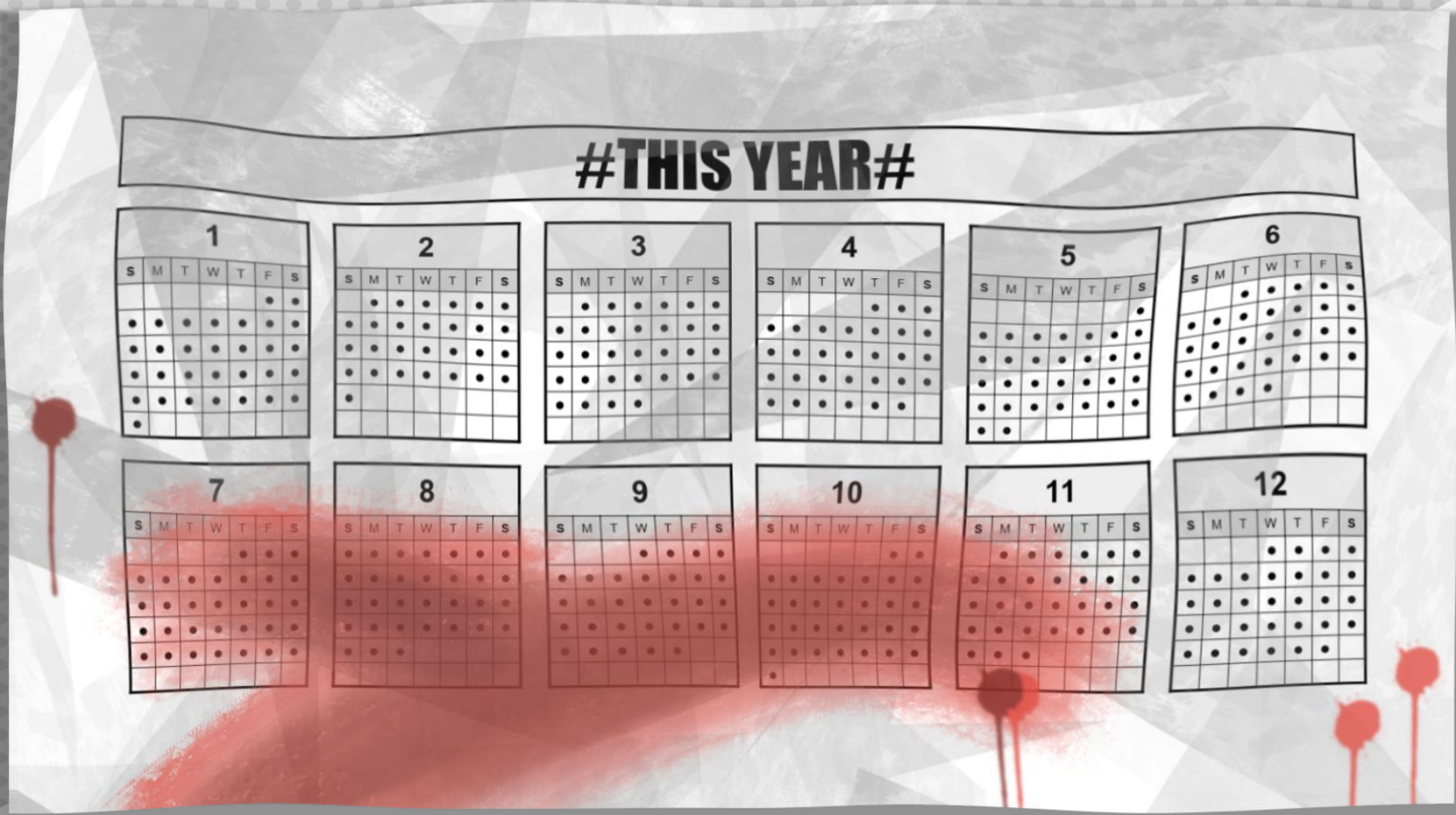
The dead man had a piece of paper in his hand.





1

The dead man had a piece of paper in his hand.



It was a calendar smeared with blood.

1

Detective Holmes  
examines the calendar and  
immediately knows who  
the killer is.

Can you figure it out?





1

## #THIS YEAR#

Figure 1 displays 12 grids (labeled 1 to 12) showing the distribution of 14 points across a 7x7 grid. The columns are labeled S, M, T, W, T, F, S. The grids show a pattern of points that changes as the value of  $\alpha$  increases from 1 to 12. The points are distributed in a way that suggests a central concentration of points, with the distribution becoming more uniform as  $\alpha$  increases.



Julia



George



Jason

# MYSTERY

1

ARE YOU READY FOR THE ANSWER?



1



Julia



Jason

George



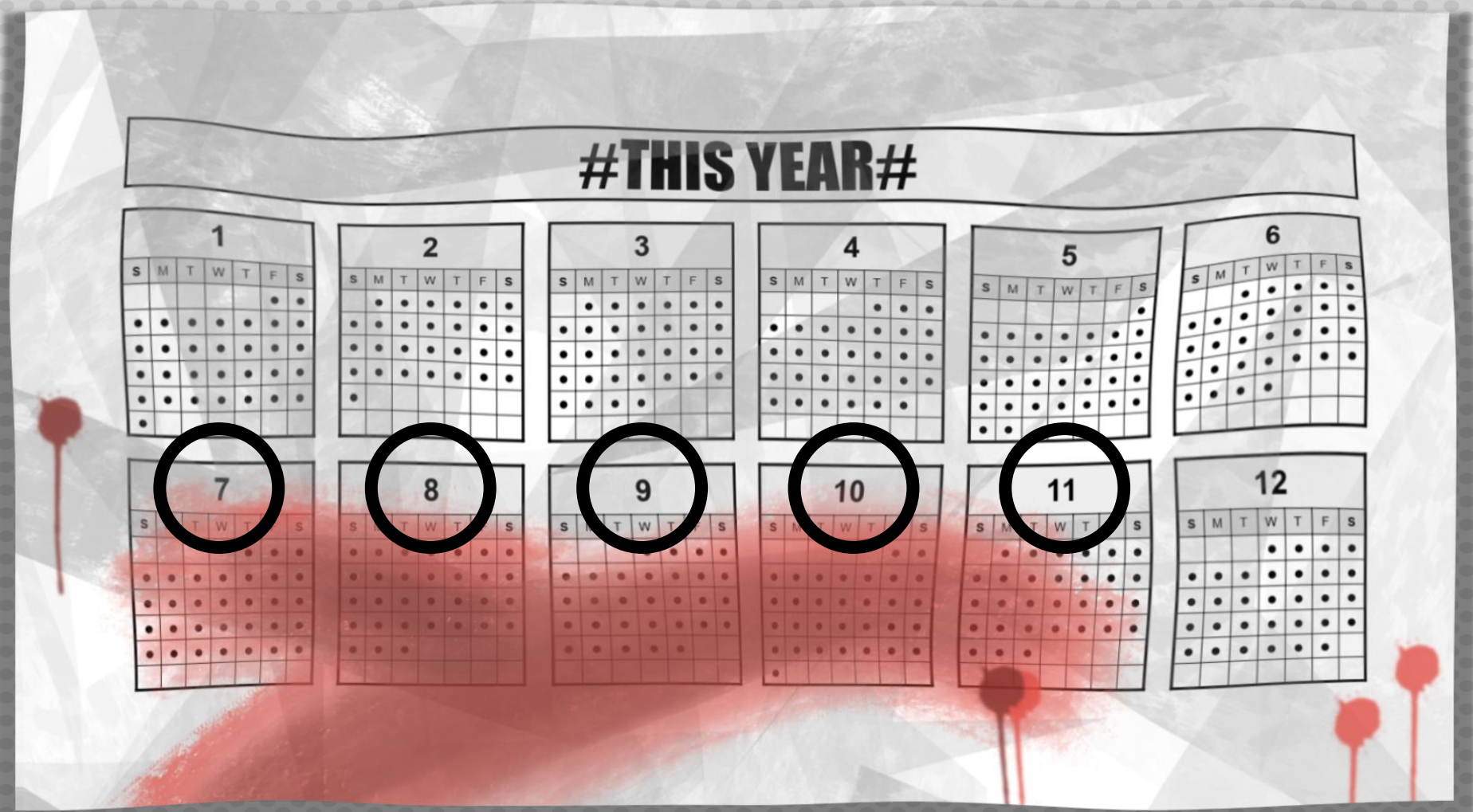
Jason



1



Jason





1

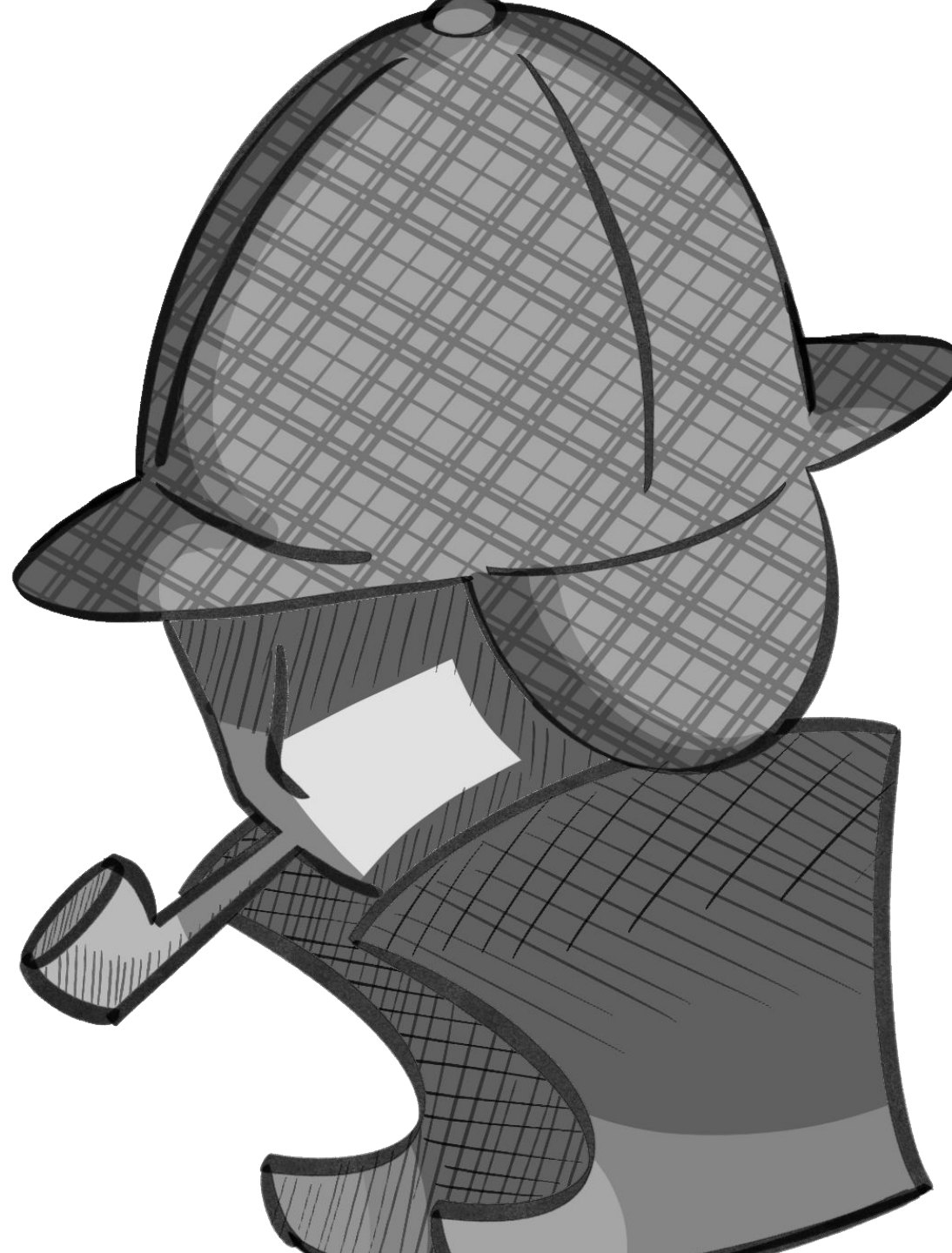


Jason

July  
August  
September  
October  
November

1

[CASE  
CLOSED]





MYSTERY

2

2

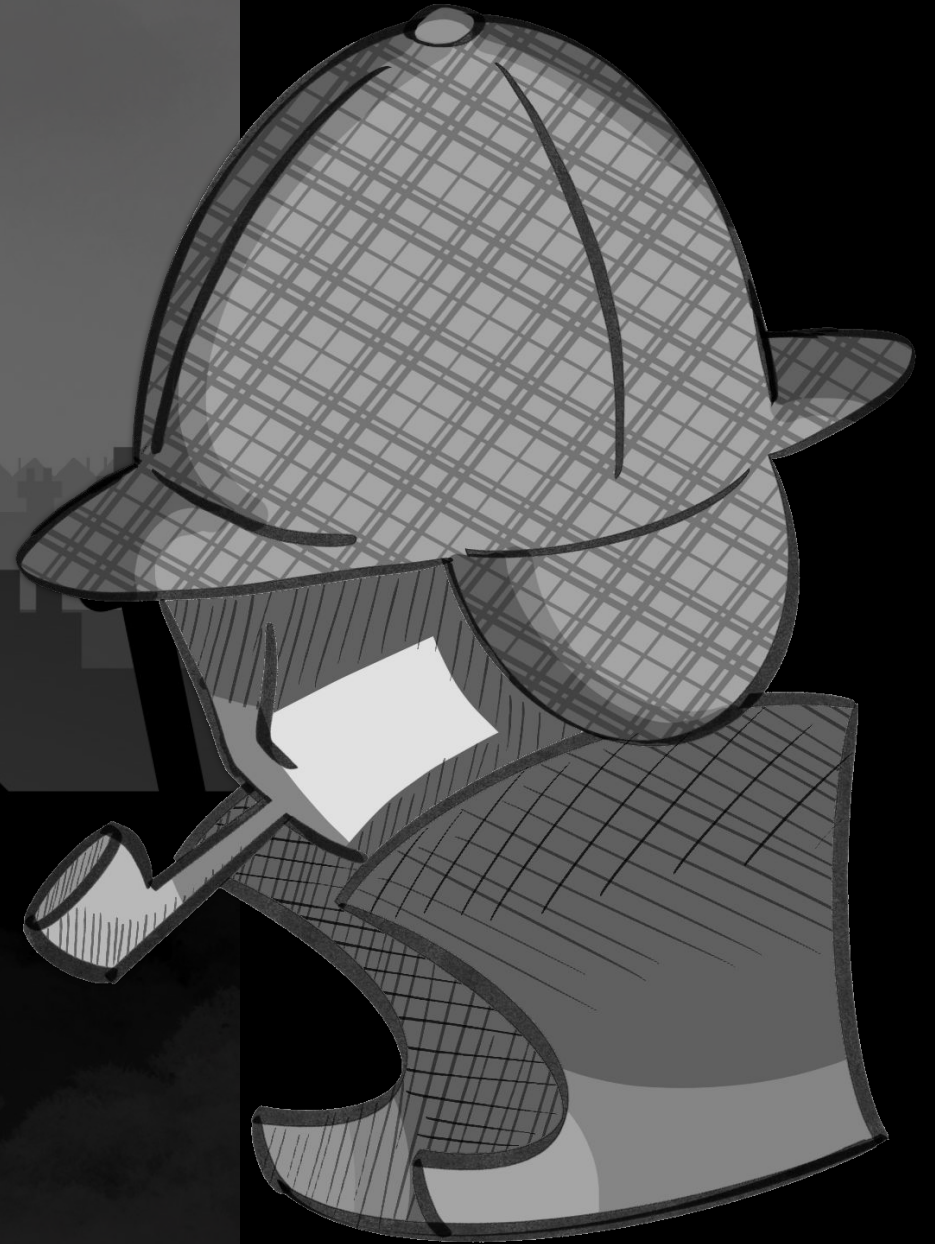
The police are tracking a criminal gang.



The gang steals oil from the government and sell it on the black market.

2

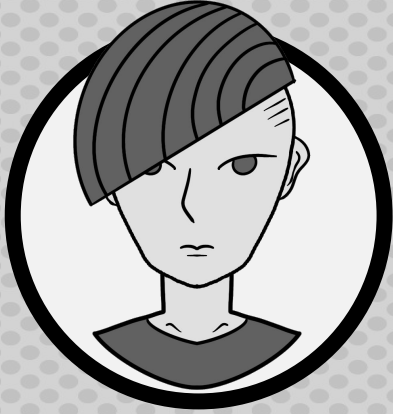
Detective Holmes  
is brought in to  
help the police.





2

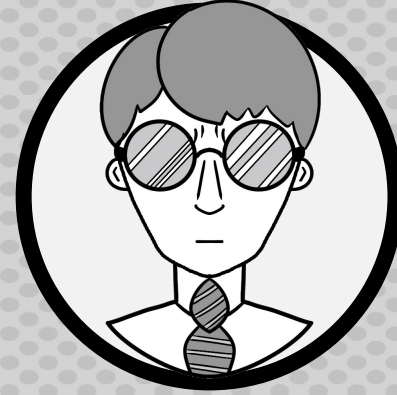
The police want to find the leader of the gang.



Kim



Joe



Sam



Frank



Bill



Lucy

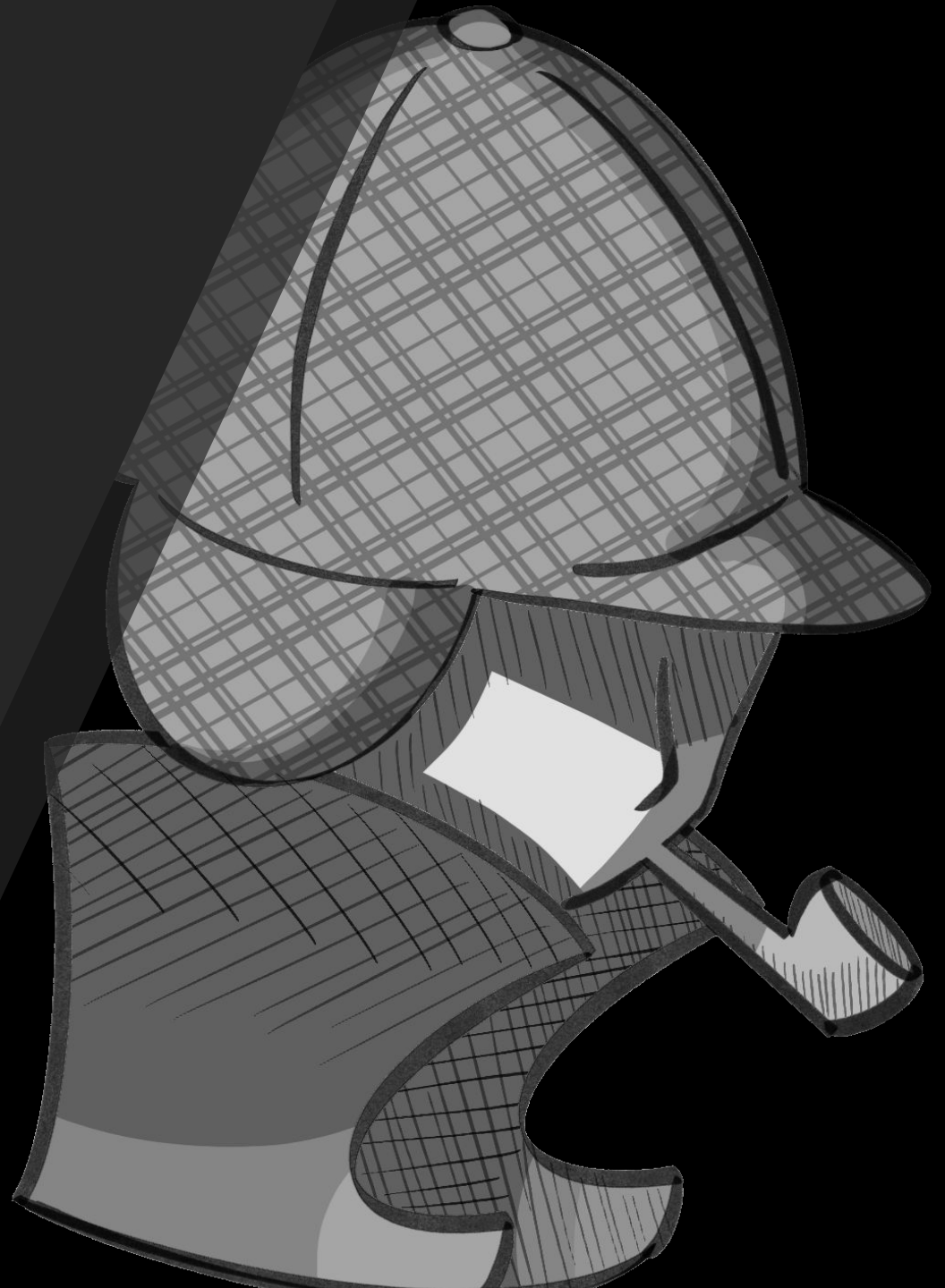
There are six suspects.



2

Detective Holmes is not sure who the leader of the gang could be.

Until a mysterious note is found in Holmes' mail the next day.



2

The note is a code.



Holmes checks a calculator and figures out the answer.



2



Kim



Joe



Sam



Frank



Bill



Lucy

7 1 0  
5 7 7 3 5  
3 4  
5 5 0 8  
5 1  
7 7 1 8

**HINT:** You don't need to do any math.

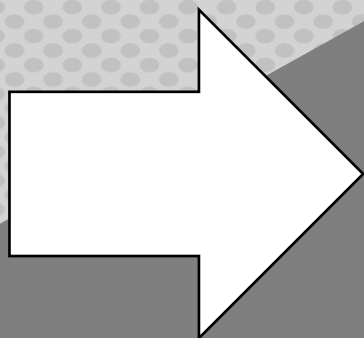
# MYSTERY 2

ARE YOU READY FOR THE ANSWER?



2

7 7 1 8  
5 5 1  
5 5 0 8  
3 4  
5 7 7 3 5  
7 1 0



5 7 7 1  
5 5 3 3 1  
8 1 5 0 8 4 5 0

2

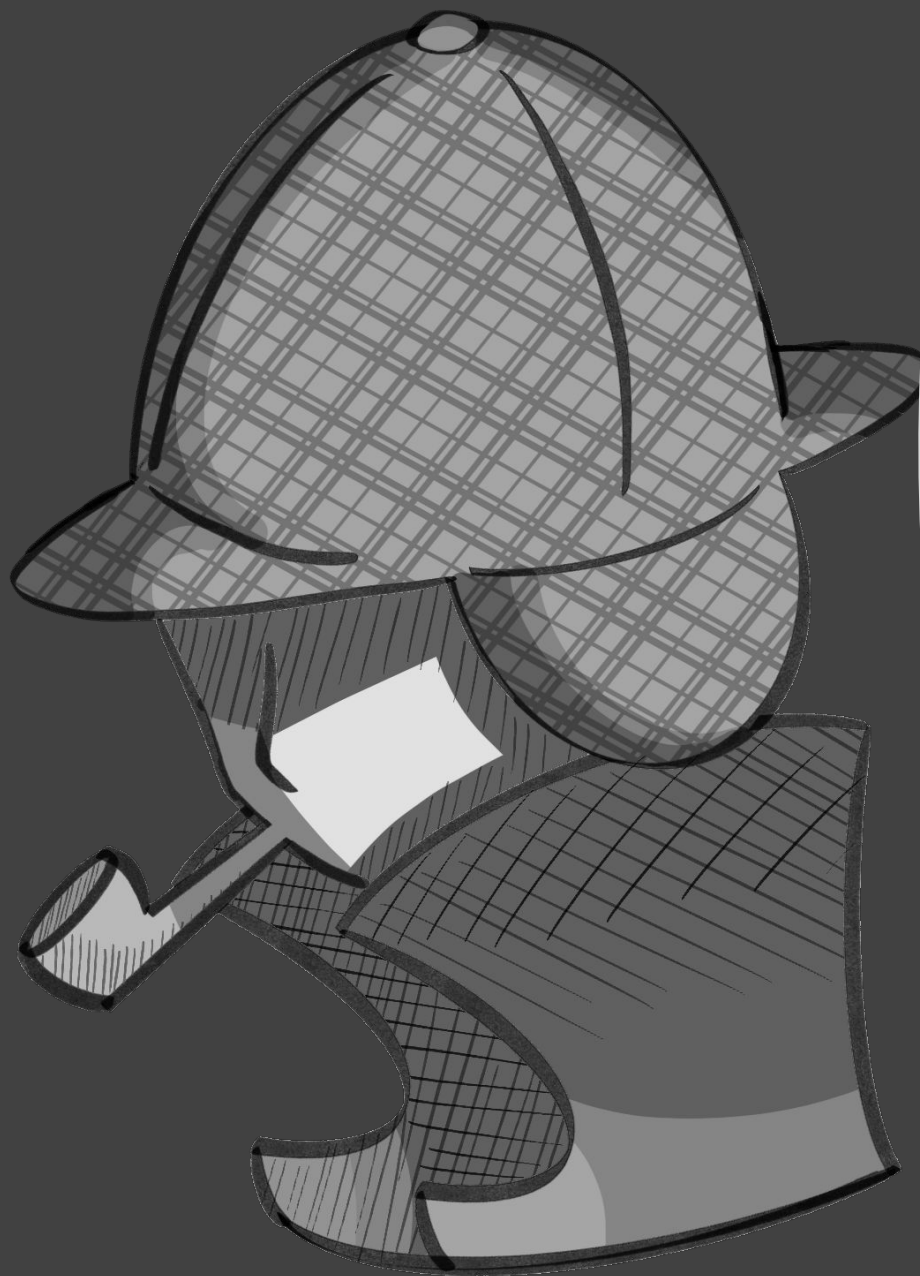
8	1	7	7	
1	5			
8	0	5	5	
5	7			
5	7	7	7	5
0	1	7		



Bill



2



[CASE CLOSED]

MYSTERY

3



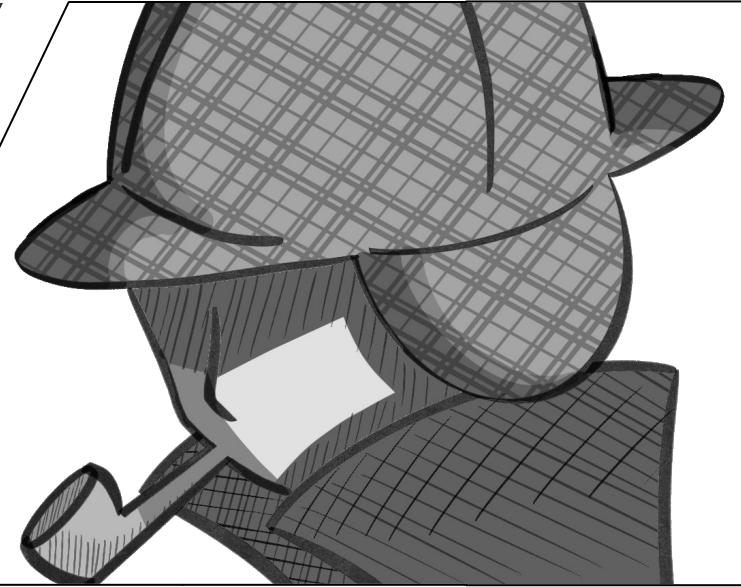
3

There has been a huge robbery in the city.



An unknown person broke into the bank and stole millions.

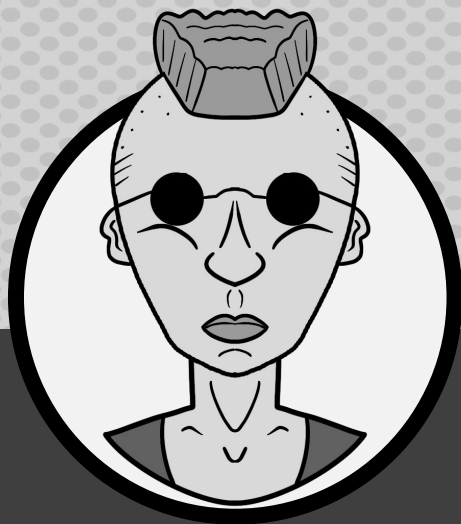
Detective Holmes is brought in to help find the thief.





3

The police are  
sure the thief is  
from this family.



Mark Smith



Peter Smith



Lily Smith



Erin Smith

3

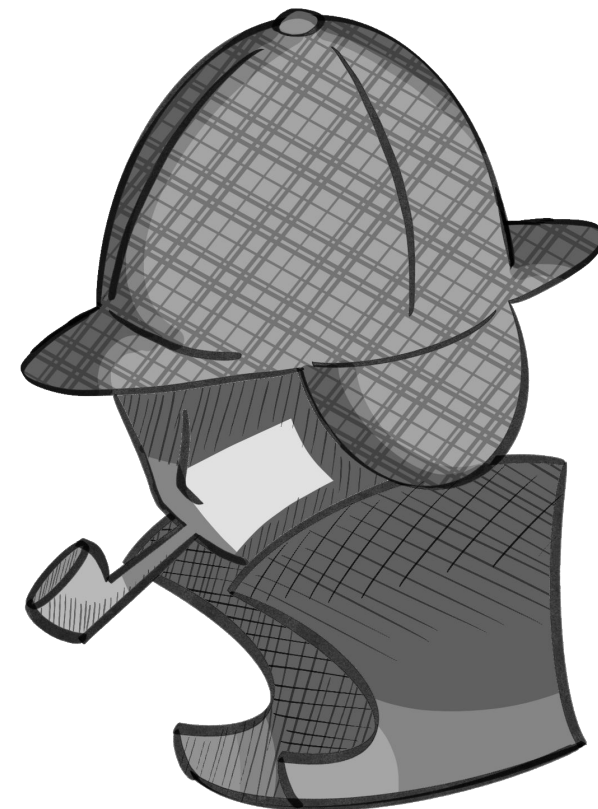
- Holmes is not sure who should be questioned at the police station.
- Until a mysterious note is found in Holmes' mail the next day.



3



**SMITH,  
THEY ARE  
THE THIEF**



Holmes reads the note and immediately knows who to question.

3



**SMITH,  
THEY ARE  
THE THIEF**



Mark Smith



Peter Smith



Lily Smith



Erin Smith



# MYSTERY

3

ARE YOU READY FOR THE ANSWER?

3

Question  
Mark Smith,  
they are the  
thief.



Mark

Smith



Mark Smith

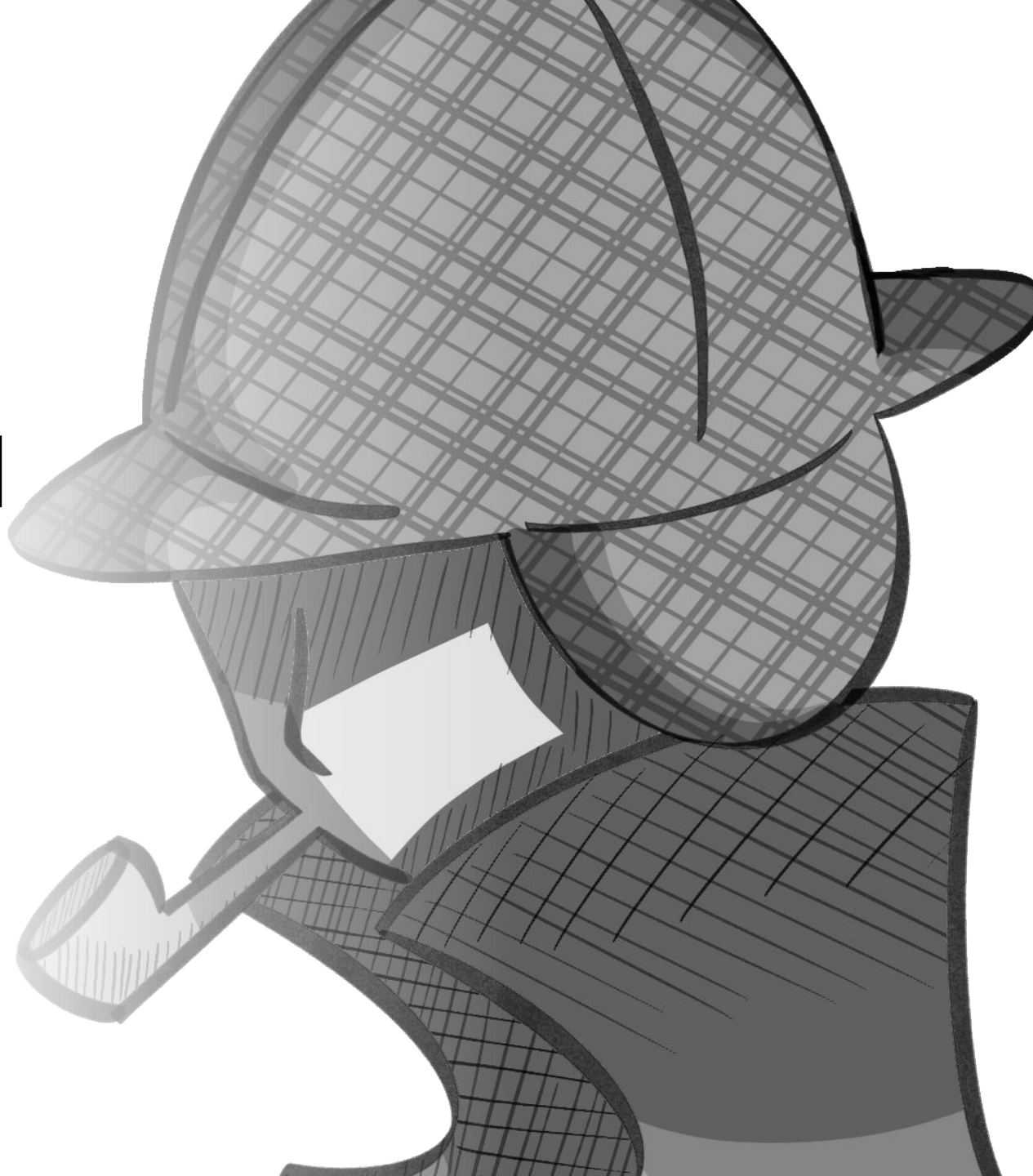
Lily Smith

Erin Smith



3

[CASE CLOSED]



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