

# THE PUZZLER (SOLUTION GUIDE)

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1. The villain who used the Electronic Plunger caught Ace either before the villain with the pet Cat or before the villain with the Nanobots.
2. Neither the Mad Catter, nor Penelope, owned a Cat. The villain who owned a Cat used the Shrink Ray on Ace, before the villain who used the Microwave.
3. Mr. X and The Mad Catter caught Ace a day from each other, in some order. The Mad Catter has a pet Hermit Crab.
4. Either the villain with the Snake or the villain with the Hermit Crab used the Electronic Plunger. The villain with the Nanobots captures Ace sometime after the villain who used the Microwave.
5. The four people were Mr. X, the villain who used the Shrink Ray, the villain with a pet Human, and the villain who captured Ace on Thursday.

	Mr. X	Penelope	The Emperor	The Mad Catter	Electronic Plunger	Nanobots	Microwave	Shrink Ray	Cat	Hermit Crab	Human	Snake
Monday												
Tuesday												
Wednesday												
Thursday												
Cat												
Hermit Crab												
Human												
Snake												
Electronic Plunger												
Nanobots												
Microwave												
Shrink Ray												

Villain	Day	Weapon	Pet
Mr. X			
Penelope			
The Emperor			
The Mad Catter			

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	Mr. X	Penelope	The Emperor	The Mad Catter	Electronic Plunger	Nanobots	Microwave	Shrink Ray	Cat	Hermit Crab	Human	Snake
Monday												
Tuesday												
Wednesday												
Thursday												
Cat		+		+								
Hermit Crab												
Human												
Snake												
Electronic Plunger												
Nanobots												
Microwave												
Shrink Ray												

Villain	Day	Weapon	Pet
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	Mr. X	Penelope	The Emperor	The Mad Catter	Electronic Plunger	Nanobots	Microwave	Shrink Ray	Cat	Hermit Crab	Human	Snake
Monday							+					
Tuesday												
Wednesday												
Thursday								+	+			
Cat		+		+	+	+	+	0				
Hermit Crab								+				
Human								+				
Snake								+				
Electronic Plunger												
Nanobots												
Microwave												
Shrink Ray		+		+								

Villain	Day	Weapon	Pet
Mr. X			
Penelope			
The Emperor			
The Mad Catter			

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Monday							+					
Tuesday												
Wednesday												
Thursday								+	+			
Cat		+		+	+	+	+	0				
Hermit Crab	+	+	+	0				+				
Human				+				+				
Snake				+				+				
Electronic Plunger												
Nanobots												
Microwave												
Shrink Ray		+		+								

Villain	Day	Weapon	Pet
Mr. X			
Penelope			
The Emperor			
The Mad Catter			Hermit Crab

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Monday							+					
Tuesday												
Wednesday												
Thursday								+	+			
Cat		+		+	+	+	+	0				
Hermit Crab	+	+	+	0				+				
Human				+	+			+				
Snake				+				+				
Electronic Plunger												
Nanobots												
Microwave												
Shrink Ray		+		+								

Villain	Day	Weapon	Pet
Mr. X			
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Monday						+	+					
Tuesday						+						
Wednesday												
Thursday							+	+	+			
Cat		+		+	+	+	+	0				
Hermit Crab	+	+	+	0				+				
Human				+	+			+				
Snake				+				+				
Electronic Plunger												
Nanobots												
Microwave												
Shrink Ray		+		+								

Villain	Day	Weapon	Pet
Mr. X			
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	Mr. X	Penelope	The Emperor	The Mad Catter	Electronic Plunger	Nanobots	Microwave	Shrink Ray	Cat	Hermit Crab	Human	Snake
Monday				+		+	+			+		
Tuesday				+		+				+		
Wednesday				+						+		
Thursday	+	+	+	0			+	+	+	0	+	+
Cat	+	+	0	+	+	+	+	0				
Hermit Crab	+	+	+	0			+	+				
Human	+	0	+	+	+			+				
Snake	0	+	+	+				+				
Electronic Plunger		+	+									
Nanobots			+									
Microwave			+	+								
Shrink Ray	+	+	0	+								

Villain	Day	Weapon	Pet
Mr. X			Snake
Penelope			Human
The Emperor		Shrink Ray	Cat
The Mad Catter	Thursday		Hermit Crab

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	Mr. X	Penelope	The Emperor	The Mad Catter	Electronic Plunger	Nanobots	Microwave	Shrink Ray	Cat	Hermit Crab	Human	Snake
Monday	+			+		+	+			+		+
Tuesday	+			+		+				+		+
Wednesday	0	+	+	+				+	+	+	+	0
Thursday	+	+	+	0			+	+	+	0	+	+
Cat	+	+	0	+	+	+	+	0				
Hermit Crab	+	+	+	0			+	+				
Human	+	0	+	+	+			+				
Snake	0	+	+	+				+				
Electronic Plunger		+	+									
Nanobots			+									
Microwave			+	+								
Shrink Ray	+	+	0	+								

Villain	Day	Weapon	Pet
Mr. X	Wednesday		Snake
Penelope			Human
The Emperor		Shrink Ray	Cat
The Mad Catter	Thursday		Hermit Crab

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Monday	+	+	0	+	+	+	+	0	0	+	+	+
Tuesday	+	0	+	+	+	+	0	+	+	+	0	+
Wednesday	0	+	+	+			+	+	+	+	+	0
Thursday	+	+	+	0			+	+	+	0	+	+
Cat	+	+	0	+	+	+	+	0				
Hermit Crab	+	+	+	0			+	+				
Human	+	0	+	+	+	+	0	+				
Snake	0	+	+	+			+	+				
Electronic Plunger		+	+									
Nanobots		+	+									
Microwave	+	0	+	+								
Shrink Ray	+	+	0	+								

Villain	Day	Weapon	Pet
Mr. X	Wednesday		Snake
Penelope	Tuesday	Microwave	Human
The Emperor	Monday	Shrink Ray	Cat
The Mad Catter	Thursday		Hermit Crab

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Monday	+	+	0	+	+	+	+	0	0	+	+	+
Tuesday	+	0	+	+	+	+	0	+	+	+	0	+
Wednesday	0	+	+	+	0	+	+	+	+	+	+	0
Thursday	+	+	+	0	+	0	+	+	+	0	+	+
Cat	+	+	0	+	+	+	+	0				
Hermit Crab	+	+	+	0	+	0	+	+				
Human	+	0	+	+	+	+	0	+				
Snake	0	+	+	+	0	+	+	+				
Electronic Plunger	0	+	+	+								
Nanobots	+	+	+	0								
Microwave	+	0	+	+								
Shrink Ray	+	+	0	+								

Villain	Day	Weapon	Pet
Mr. X	Wednesday	Electronic Plunger	Snake
Penelope	Tuesday	Microwave	Human
The Emperor	Monday	Shrink Ray	Cat
The Mad Catter	Thursday	Nanobots	Hermit Crab

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Monday	+	+	0	+	+	+	+	0	0	+	+	+
Tuesday	+	0	+	+	+	+	0	+	+	+	0	+
Wednesday	0	+	+	+	0	+	+	+	+	+	+	0
Thursday	+	+	+	0	+	0	+	+	+	0	+	+
Cat	+	+	0	+	+	+	+	0				
Hermit Crab	+	+	+	0	+	0	+	+				
Human	+	0	+	+	+	+	0	+				
Snake	0	+	+	+	0	+	+	+				
Electronic Plunger	0	+	+	+								
Nanobots	+	+	+	0								
Microwave	+	0	+	+								
Shrink Ray	+	+	0	+								

Villain	Day	Weapon	Pet
Mr. X	Wednesday	Electronic Plunger	Snake
Penelope	Tuesday	Microwave	Human
The Emperor	Monday	Shrink Ray	Cat
The Mad Catter	Thursday	Nanobots	Hermit Crab

# THE EASIER PUZZLER (SOLUTION GUIDE)

Ace Quest, done with that scrap book, decided to put it on the bookshelf. The problem was, he had conflicting ideas on which book should go on which shelf. He had cataloged four years worth of scrap books, from 2001 to 2004, but hadn't labeled them correctly. Each scrap book was a different color (beige, black, blue, and brown), and would clash with his décor if not put in an appropriate order. Given his preferences, determine the best order to put the scrap books on the shelf, as well as the correct year of the scrap books.

1. The easiest Bookshelf location for Ace to reach was the Middle-Top. The most difficult to reach was the Bottom Bookshelf. The other two bookshelves were about the same.
2. Ace was more prone to reach for the scrap book dated 2002, which wasn't blue, and looked at the book in 2004 the least. Ace knew the black book was the year before the brown book.
3. The shelf contained yellow items on the two top shelves, and red items on the bottom two shelves. Ace likes the year 2001 better than 2003.
4. Ace refuses to allow black and yellow to combine or blue and red, regardless of convenience. Ace knew the beige book was the year before the black book.
5. The blue book was either in 2002 or in 2004.

	2001	2002	2003	2004	Beige	Black	Blue	Brown
Bottom								
Middle-Bottom								
Middle-Top								
Top								
Beige								
Black								
Blue								
Brown								

Bookshelf Order	Year	Color
Bottom		
Middle-Bottom		
Middle-Top		
Top		

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	2001	2002	2003	2004	Beige	Black	Blue	Brown
Bottom(h)								
Middle-Bottom(m)								
Middle-Top(e)								
Top(m)								
Beige								
Black								
Blue								
Brown								

Symbol	Meaning
e	easiest
h	hardest
m	middle

Bookshelf Order	Year	Color
Bottom		
Middle-Bottom		
Middle-Top		
Top		

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	2001	2002	2003	2004	Beige	Black	Blue	Brown
Bottom(h)								
Middle-Bottom(m)								
Middle-Top(e)								
Top(m)								
Beige								
Black				+				
Blue								
Brown	+							

Bookshelf Order	Year	Color
Bottom		
Middle-Bottom		
Middle-Top		
Top		

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	2001	2002	2003	2004	Beige	Black	Blue	Brown
Bottom(h)								
Middle-Bottom(m)								
Middle-Top(e)								
Top(m)								
Beige			+	+				
Black	+			+				
Blue								
Brown	+	+						

Bookshelf Order	Year	Color
Bottom		
Middle-Bottom		
Middle-Top		
Top		

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5. The blue book was either in 2002 or in 2004.

	2001	2002	2003	2004	Beige	Black	Blue	Brown
Bottom(h)								
Middle-Bottom(m)								
Middle-Top(e)								
Top(m)								
Beige	0	+	+	+				
Black	+	0	+	+				
Blue	+	+	+	0				
Brown	+	+	0	+				

Bookshelf Order	Year	Color
Bottom		
Middle-Bottom		
Middle-Top		
Top		

# THE EASIER PUZZLER (SOLUTION GUIDE)

Ace Quest, done with that scrap book, decided to put it on the bookshelf. The problem was, he had conflicting ideas on which book should go on which shelf. He had cataloged four years worth of scrap books, from 2001 to 2004, but hadn't labeled them correctly. Each scrap book was a different color (beige, black, blue, and brown), and would clash with his décor if not put in an appropriate order. Given his preferences, determine the best order to put the scrap books on the shelf, as well as the correct year of the scrap books.

1. The easiest Bookshelf location for Ace to reach was the Middle-Top. The most difficult to reach was the Bottom Bookshelf. The other two bookshelves were about the same.
2. Ace was more prone to reach for the scrap book dated 2002, which wasn't blue, and looked at the book in 2004 the least. Ace knew the black book was the year before the brown book.
3. The shelf contained yellow items on the two top shelves, and red items on the bottom two shelves. Ace likes the year 2001 better than 2003.
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	2001	2002	2003	2004	Beige	Black	Blue	Brown
Bottom(hR)								
Middle-Bottom(mR)								
Middle-Top(eY)								
Top(mY)								
Beige	0	+	+	+				
Black	+	0	+	+				
Blue	+	+	+	0				
Brown	+	+	0	+				

Bookshelf Order	Year	Color
Bottom		
Middle-Bottom		
Middle-Top		
Top		

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- The blue book was either in 2002 or in 2004.

	2001	2002	2003	2004	Beige	Black	Blue	Brown
Bottom(hR)				+			+	
Middle-Bottom(mR)				+			+	
Middle-Top(eY)		+				+		
Top(mY)		+				+		
Beige	0	+	+	+				
Black	+	0	+	+				
Blue	+	+	+	0				
Brown	+	+	0	+				

Bookshelf Order	Year	Color
Bottom		
Middle-Bottom		
Middle-Top		
Top		

## THE EASIER PUZZLER (SOLUTION GUIDE)

Ace Quest, done with that scrap book, decided to put it on the bookshelf. The problem was, he had conflicting ideas on which book should go on which shelf. He had cataloged four years worth of scrap books, from 2001 to 2004, but hadn't labeled them correctly. Each scrap book was a different color (beige, black, blue, and brown), and would clash with his décor if not put in an appropriate order. Given his preferences, determine the best order to put the scrap books on the shelf, as well as the correct year of the scrap books.

11. The easiest Bookshelf location for Ace to reach was the Middle-Top. The most difficult to reach was the Bottom Bookshelf. The other two bookshelves were about the same.
12. Ace was more prone to reach for the scrap book dated 2002, which wasn't blue, and looked at the book in 2004 the least. Ace knew the black book was the year before the brown book.
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15. The blue book was either in 2002 or in 2004.

	2001	2002	2003	2004	Beige	Black	Blue	Brown
Bottom(hR)		+		+		+	+	
Middle-Bottom(mR)	+	0	+	+	+	0	+	+
Middle-Top(eY)		+		+		+	+	
Top(mY)	+	+	+	0	+	+	0	+
Beige	0	+	+	+				
Black	+	0	+	+				
Blue	+	+	+	0				
Brown	+	+	0	+				

Bookshelf Order	Year	Color
Bottom		
Middle-Bottom	2002	Black
Middle-Top		
Top	2004	Blue

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16. The easiest Bookshelf location for Ace to reach was the Middle-Top. The most difficult to reach was the Bottom Bookshelf. The other two bookshelves were about the same.
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18. The shelf contained yellow items on the two top shelves, and red items on the bottom two shelves. Ace likes the year 2001 better than 2003.
19. Ace refuses to allow black and yellow to combine or blue and red, regardless of convenience. Ace knew the beige book was the year before the black book.
20. The blue book was either in 2002 or in 2004.

	2001	2002	2003	2004	Beige	Black	Blue	Brown
Bottom(hR)	+	+	0	+	+	+	+	0
Middle-Bottom(mR)	+	0	+	+	+	0	+	+
Middle-Top(eY)	0	+	+	+	0	+	+	+
Top(mY)	+	+	+	0	+	+	0	+
Beige	0	+	+	+				
Black	+	0	+	+				
Blue	+	+	+	0				
Brown	+	+	0	+				

Bookshelf Order	Year	Color
Bottom	2003	Brown
Middle-Bottom	2002	Black
Middle-Top	2001	Beige
Top	2004	Blue

# THE EASIER PUZZLER (SOLUTION)

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	2001	2002	2003	2004	Beige	Black	Blue	Brown
Bottom(hR)	+	+	0	+	+	+	+	0
Middle-Bottom(mR)	+	0	+	+	+	0	+	+
Middle-Top(eY)	0	+	+	+	0	+	+	+
Top(mY)	+	+	+	0	+	+	0	+
Beige	0	+	+	+				
Black	+	0	+	+				
Blue	+	+	+	0				
Brown	+	+	0	+				

Bookshelf Order	Year	Color
Bottom	2003	Brown
Middle-Bottom	2002	Black
Middle-Top	2001	Beige
Top	2004	Blue