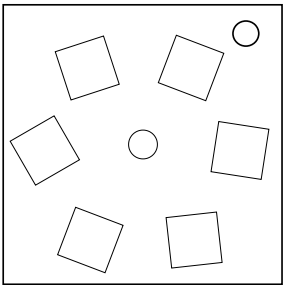# On the Subject of Secret Santa

Presents are the best way to show someone how much you care. It is like this tangible thing that you can point to and say, "Hey man, I love you this many dollars worth."
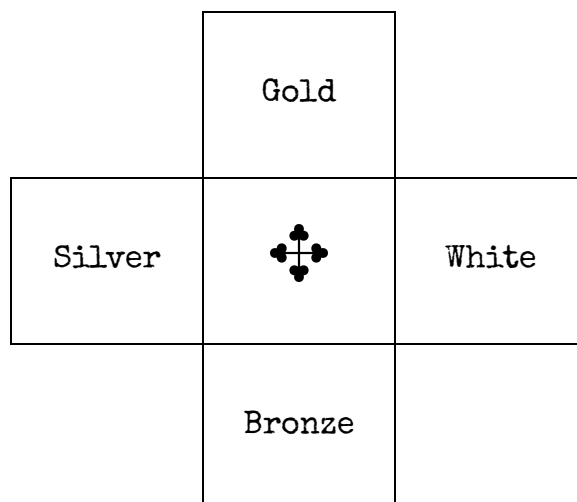
- Each of the six presents arranged in the circle has a box color, ribbon color, and a sound when shaken. This sound indicates the gift that is inside the box. Each gift has a value between $10 and $99 in value.
- The price ceiling and price floor have both been predetermined before the exchange, but exactly one person has gone over the maximum and another person has gone under the minimum. Each present will have a price tag with a price on it. In conjunction with the previous rules and calculated prices of the gifts, only one price tag will either be over the true price ceiling or under the price floor. With the box you want to submit selected, press center button to disarm the module.

Gift Name	Initial Price	Gift Name	Initial Price	Gift Name	Initial Price
Handball (10)	$10	Wine Glass	$15	5L of Soda	$18
Foreign Coins	$22	Kickball	$29	Live Chicken	$31
Walkie Talkie	$35	Cookbook	$42	Shoebill	$50
Pipe Bomb	$55	Tortured Soul	$59	Gold Marbles	$73
Toy Piano	$79	Marimba	$80	Discord Nitro	$95

- The initial value for each gift must be modified first by its ribbon color. Use the item's position in the above table, shifted via its ribbon color:

Reverse the digits.	Do nothing.	Average with $50, drop decimals.
Add the digital root*.	Reverse the digits.	Add $20.
Subtract $10.	Add $10.	Reverse the digits.
Reverse the digits.	Subtract $20.	Subtract the digital root*.
Divide by $5.	Reverse the digits.	Subtract from $100.

Gold	

| Silver | ✛ | White |

| Bronze |

- For each gift giver, take the color of the gift currently in their position, add the digital root of its current calculated value, and call this T:
    - If the gift currently in the recipient's position has a calculated value of less than $45, subtract T from the recipient's gift's value. If this would result in the gift's value being less than $10, add T instead.
    - If the gift currently in the recipient's position has a calculated value of $45 or greater, add T to the recipient's gift's value. If this would result in the gift's value being greater than $99, subtract T instead.

Red	12	Green	25
Orange	15	Blue	18
Yellow	22	Purple	7

*The digital root is the repeated sum of digits in a number until said number is a singular digit long.