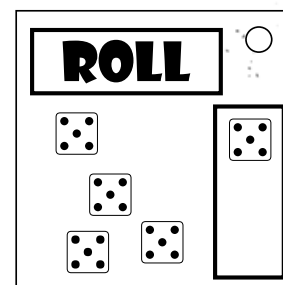


On the Subject of Yahtzee

When has bomb defusal ever been a game of chance?

There are five dice in the colors of purple, yellow, blue, white and black. Start by rolling the dice. Then choose which dice to keep and which to reroll. You may only keep dice of the same value. Keep repeating this process until you get a Yahtzee.*



At each stage, the dice to keep are given by the following rules:

If you just rolled 5 dice:

- **Large straight:*** keep the die with the highest value equal to a digit in the serial number; if none, keep the purple.
- **Small straight:*** keep the outlier.*
- **Three of a kind or full house:*** keep the white die if there are ≥ 2 lit indicators; otherwise, the black die if there are ≥ 2 unlit; otherwise, the highest value not in the three-of-a-kind.
- **Four of a kind or two pairs:** keep any dice matching the number of batteries; otherwise, matching the number of battery holders; otherwise the yellow die.
- **Pair:** keep the die of the color listed in the first applicable row of the following table:

If there is a...	Die color
parallel port	purple
PS/2 port	blue
RCA port	white
RJ port	black
otherwise	yellow

- **Otherwise:** you must roll all the dice again.
- In all of the above cases, dice of the same value as a die to be kept may also be kept.

* **Yahtzee:** All dice show the same value.

Large straight: Five consecutive values.

Small straight: Four consecutive values. The **outlier** is the fifth die.

Full house: Three of a kind plus two of another kind.

These terms always refer to all of the dice, regardless of which were rolled and which were kept.

If you just rolled 4 dice:

- **Straight (small or large):*** you must reroll the die you previously kept and keep a die or dice of a different value.
- **Otherwise:**
 - Keeping 1 die is only allowed if it isn't black.
 - Keeping 2 dice is only allowed if neither is blue.
 - Keeping 3 dice is only allowed if the values of the other two both aren't in the serial number.
 - Keeping 4 dice is only allowed if the fifth die has a bigger value.
 - Keeping a number of dice equal to the number of port plates is not allowed unless it's 2 or less.

If you just rolled 3 dice:

- **Full house:*** reroll the pair if there are any duplicate ports; otherwise, reroll the three-of-a-kind.
- **Otherwise:**
 - Keeping 1 or 2 dice is allowed.
 - Keeping 3 dice is only allowed if purple or white was kept in the previous stage.
 - Keeping 4 dice is only allowed if the fifth die has a smaller value.
 - Keeping any number of dice is allowed if the value of the kept dice is in the serial.

If you just rolled 2 dice:

- Keeping 1, 2 or 3 dice is allowed.
- Keeping 4 dice is allowed if yellow or blue was kept in the previous stage, or if the fifth die is 1 away in value from the value of the kept dice.

If only 1 die is left to roll:

Keep rolling it until you achieve a Yahtzee.