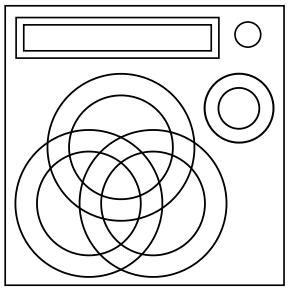
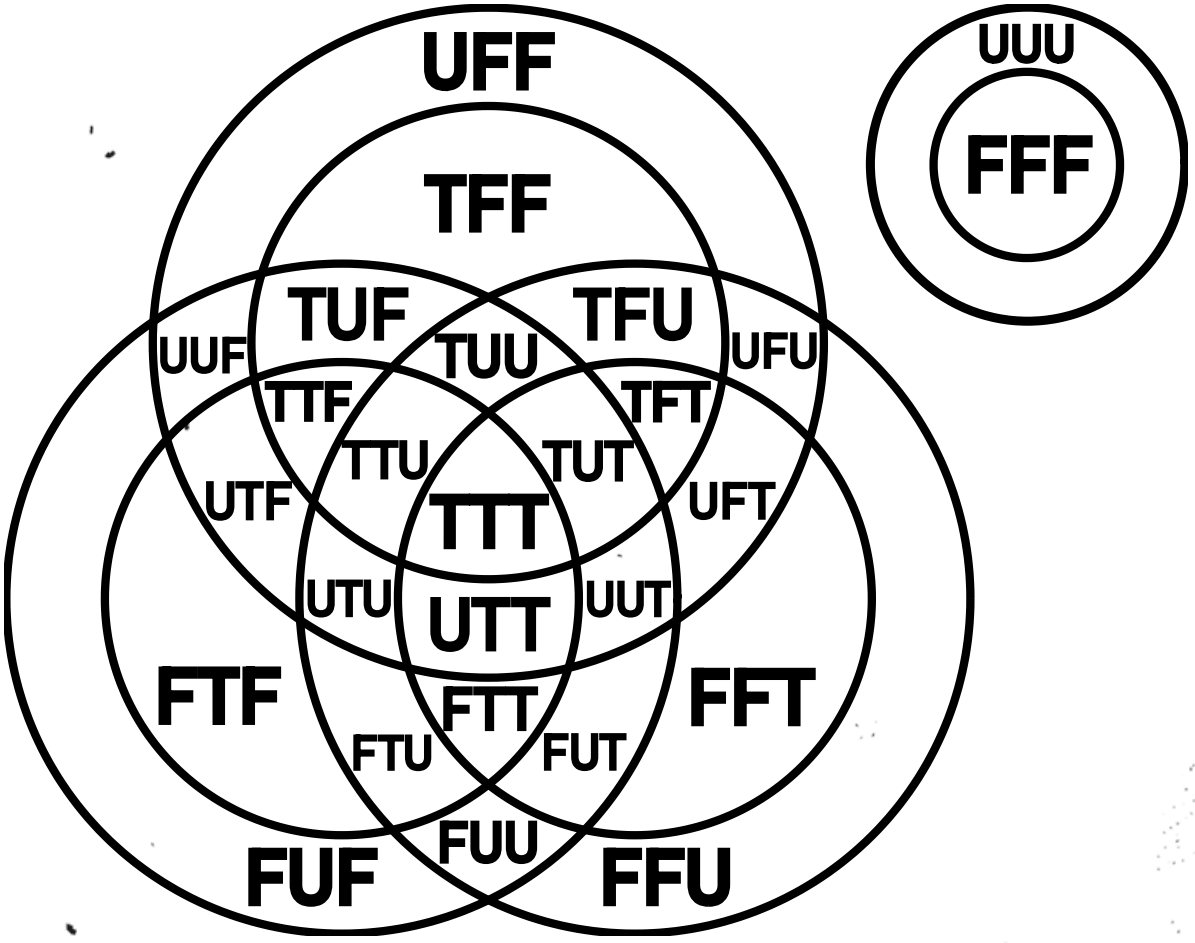
On the Subject of Worse Venn Diagrams

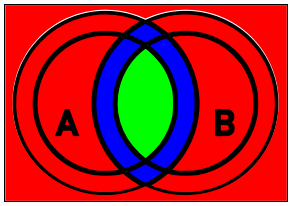
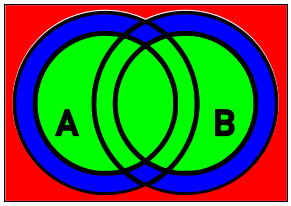
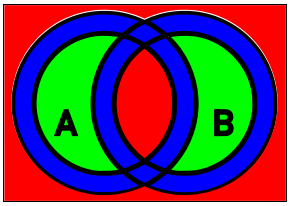
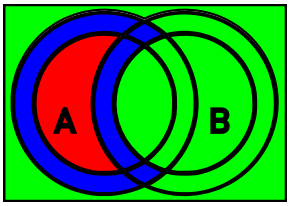
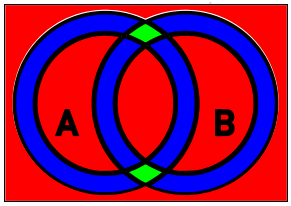
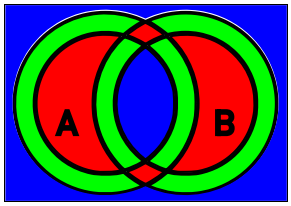
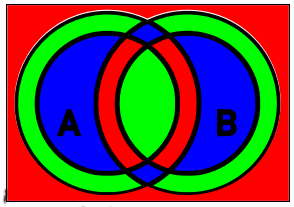
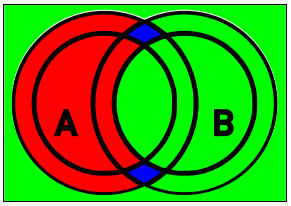
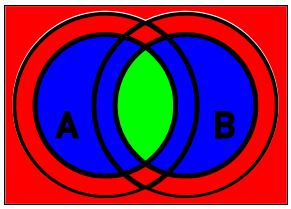
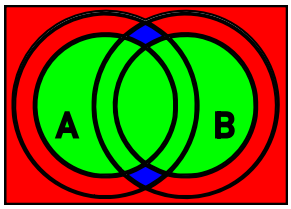
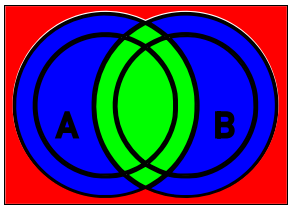
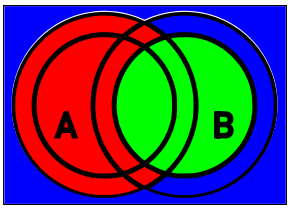


Bigger Venn diagrams? Check. Weirder symbols? Check. Uncertainty?.. Maybe.

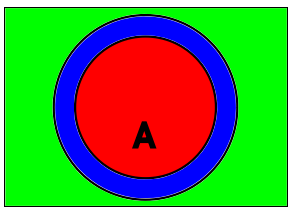
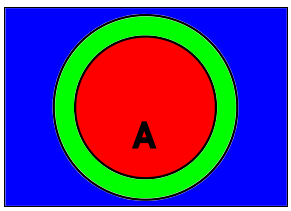
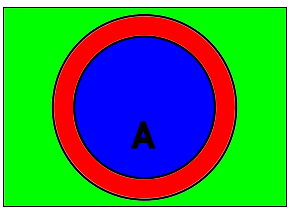
- A standard Boolean Venn Diagram consists of three intersecting circles, each representing distinct triples of truth values with A at the top, B to the left, and C to the right, as well as an outer circle denoting falsehood of all three.
  However here, each circle has a larger concentric circle around it, denoting an Unknown value.
- The diagram below shows the triplets of truth values each area represents.
- The screen displays an expression combining various binary and unary logical operators in one of three colours.
- Select all areas that represent truth values that, when input into the expression, return the value corresponding to its colour where:
  Green corresponds to True, Red corresponds to False, and Blue corresponds to Unknown.
- The Venn diagrams below use the above colour scheme to show the outputs of the operators that can appear on the screen.



Binary Operators

A ∧ B	A ∨ B	A ⊻ B	A ↦ B
			
A ⊥ B	**A × B**	**A △ B**	**A ↛ B**
			
A & B	**A + B**	**A ⊕ B**	**A ⇨ B**
			

Unary Operators

!A	A^+	A^-
		

$!A^+$	$!A^-$