

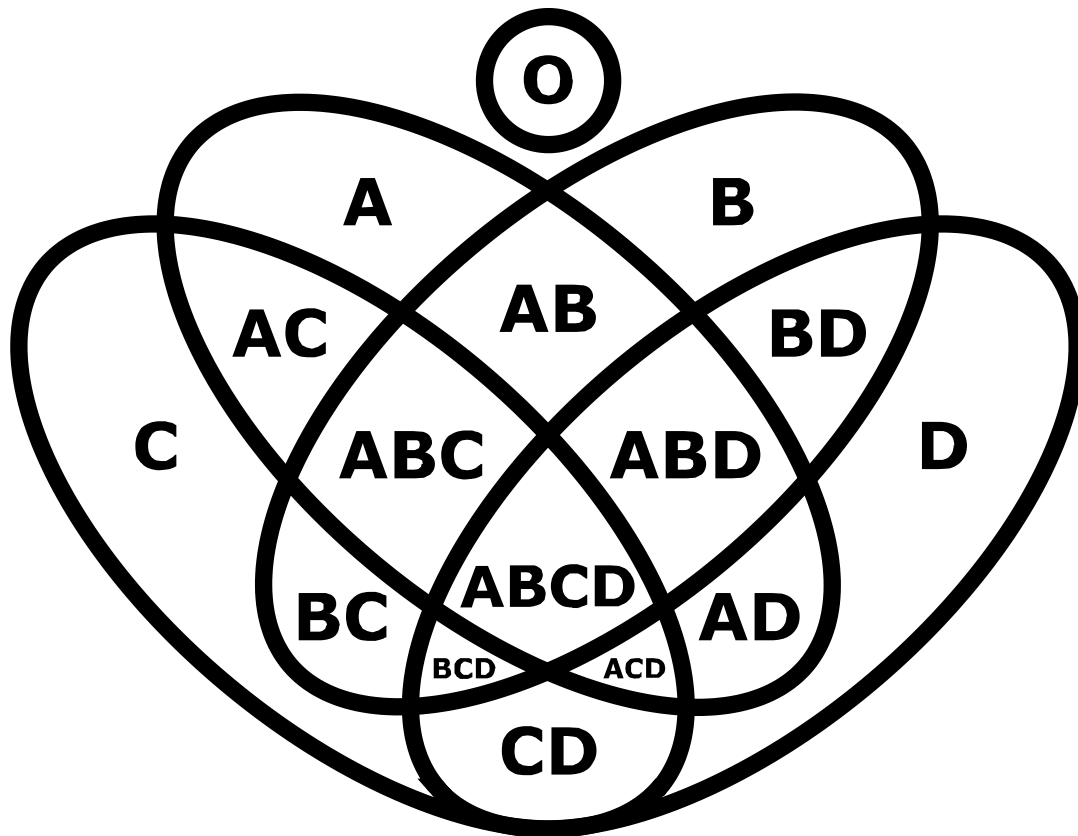
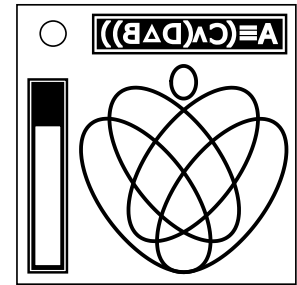
On the Subject of Fast Boolean Venn Diagram

Diagram

Sometimes, I wonder if I do logic too quickly...

Press any sector to activate the module.

Once active, a boolean expression will be displayed and a timer will count down. The diagram provided consists of all 16 possible sectors, corresponding to the sections A, B, C and D respectively. 0 refers to the area not in A, B, C, or D.

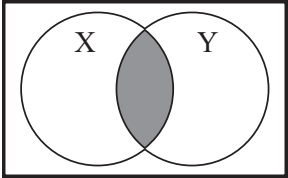
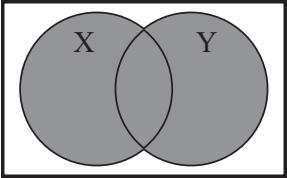
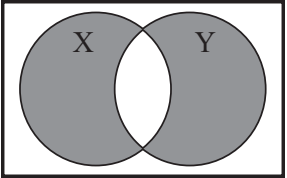
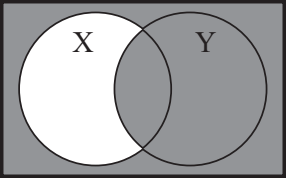
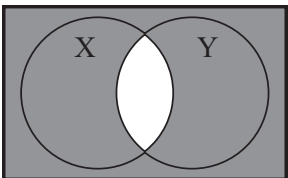
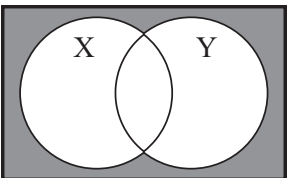
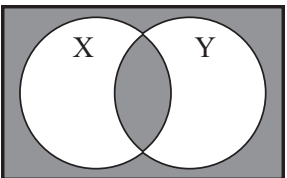
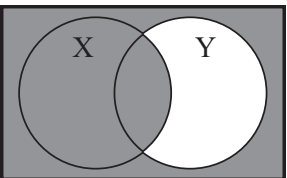


Select all sectors that would return true to disarm the module when the time runs out. A sector returns true when evaluating the expression:

- Sections that are present in the current sector are set to true and false otherwise.
- Expressions that have operators in parantheses are evaluated first.
- Operators are then evaluated left to right from the expression displayed.

Selecting an incorrect sector or missing a correct sector when the time runs out will result in a strike, activating a 15 second cooldown, displaying correct sectors of the current expression, and resetting the module.

The following images describe the operators that may appear in the expression, the grey areas output true:

<div>$X \wedge Y$ AND</div> <div></div>	<div>$X \vee Y$ OR</div> <div></div>	<div>$X \triangle Y$ XOR</div> <div></div>	<div>$X \mapsto Y$ IMP</div> <div></div>
<div>$X Y$ NAND</div> <div></div>	<div>$X \downarrow Y$ NOR</div> <div></div>	<div>$X \equiv Y$ XNOR</div> <div></div>	<div>$X \leftrightarrow Y$ IMPLY</div> <div></div>

Assessment Completed

0 error(s) detected. 3 warning(s) found.

- **Timer:** - Timer may be configured by Twitch Plays or defuser. Defaults at 30 seconds. (TimeLimit)
- **Unused Scripts:** - Detected extra unused scripts in build. Deleted unused scripts "NotArrowsScript.cs", "HybridCipherGeneric.cs" (ExtraScripts)
- **Altered Visuals:** - Visuals for module are flipped. Venn diagram sections are unaltered. (VisualsModified)

Final Result

Ready to distribute. Pushing to production. Estimated date: 1 June.