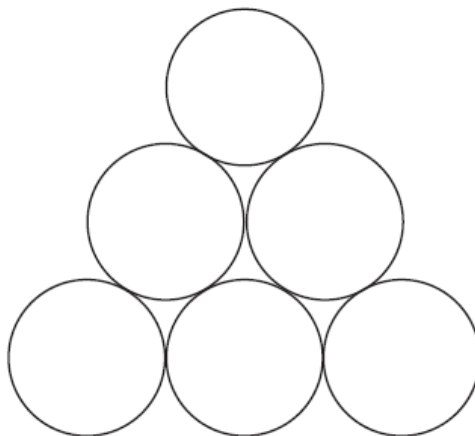


## Nice sets

A set of six numbers is **nice** if you can put them into the six circles so that the numbers along each side adds up to the same amount.



Find at least six different nice sets of numbers.

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What is the common rule for these nice sets? Express it algebraically.

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Are there different common rules that could produce different nice sets?

If so, find them and prove that they are nice sets. If not, show that there are no more.

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