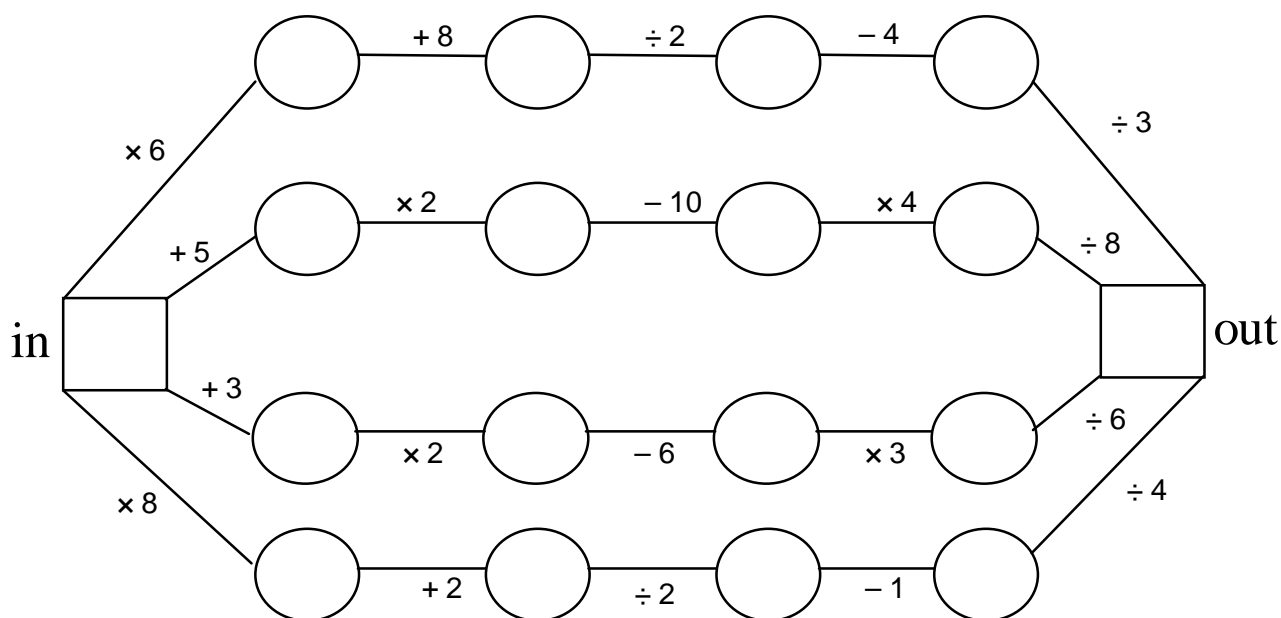


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Network News

Here is a special kind of network — any number that goes into the in box gets changed around in complicated ways. Finally the number that comes out the out box is the same as the number that went in.



1. Try this network, putting several different numbers into the in box and following along each of the four different paths from in to out. Do you always get out the same number you put in?

2. Can you add another path to this network that starts at the in and goes to the out box without changing the original number?

3. Explain how you think this network works.