In the early days of computing, designers made computers express numbers using **unsigned binary**. And they were content... Until there were negative numbers.

To include negative numbers, designers came up with **sign magnitude**. That took care of the negative numbers... But the computer had to count backwards for the negative numbers.

Then designers created **one's complement**. Now computers only had to count in one direction... But there were still two zeroes!

Finally, designers developed **two's complement**. Now, there was only one zero... And they were content.

Hey guys! How do you negate numbers?