## Comparing Integer Representations

## Round 3 - Incrementing



What's this? Sign Magnitude has a very unusual increment indeed. It has a unit slope for positive integers, but the slope becomes -1 for negatives. Sorry, but no points for Sign Magnitude this round.


Just like One's Complement, Two's Complement has a discontinuous graph and unit slope. So we'll give Two's Complement a point.


Very nice! Unsigned has a graph that is continuous and has a unit slope. This means we can use an unsigned comparator to compare integers!
We'll give Unsigned two points for that.


There's a discontinuity in the graph for One's Complement, but we do like how it has a consistent unit slope.
That's one point for One's Complement.


Another monotonically increasing graph with unit slope! You can use an unsigned comparator to compare integers here, too. Bias gets two points!

