CSCI 2330 – Integer Representation Exercises

Fill in the table below listing the smallest and largest representable values using the specified representation.

	Smallest (binary)	Smallest (decimal)	Largest (binary)	Largest (decimal)
Unsigned (4 bits)				
Sign Magnitude (4 bits)				
1's Complement (4 bits)				
2's Complement (4 bits)				

For the following table, write your values as expressions in terms of **n**.

	Smallest value (decimal)	Largest value (decimal)
Unsigned (n bits)		
Sign Magnitude (n bits)		
1's Complement (n bits)		
2's Complement (n bits)		