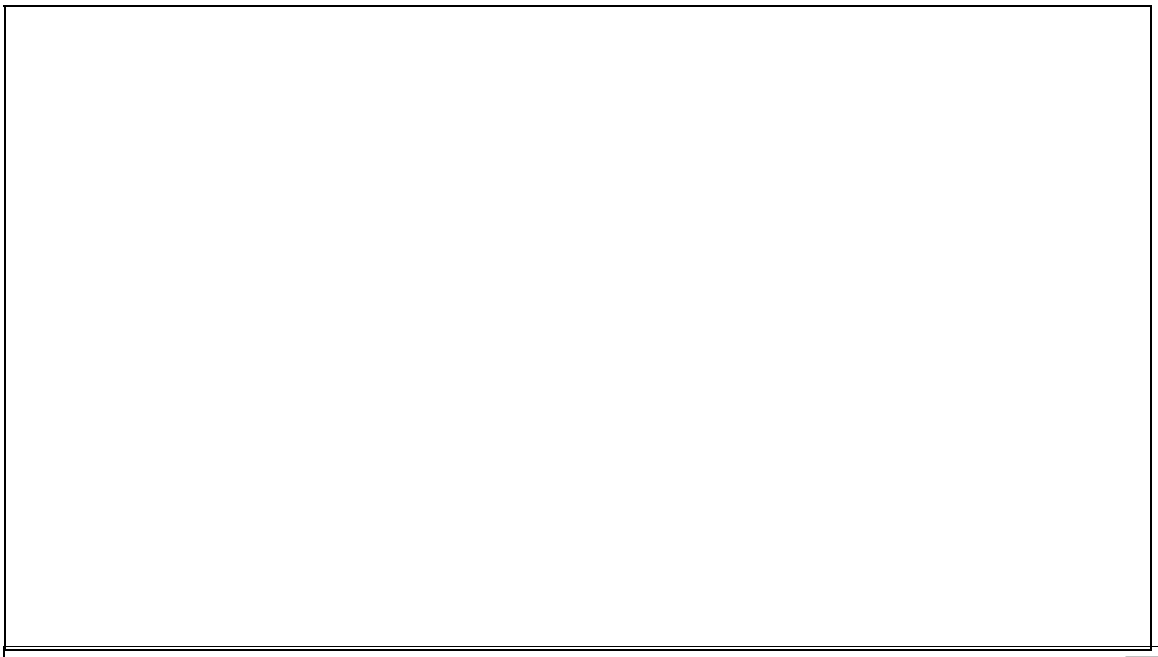
In this module, we will use modular design to build adders and subtractors. Once we build a full adder for one bit, we can replicate it to make a complete adder. We can use two's complement to build a subtractor in a similar way as our adder.

At the end of this module, you will be able to:

- Understand the operation of a ripple carry adder.
- Build a ripple carry adder using gates.
- Modify the adder to both add and subtract.

INTRODUCING ADDERS



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