LightBot

Instructions: Click here to play Lightbot HoC (If the website is down, try the app instead: (Android/iOS). Complete the Lightbot Code Hour, a free version consisting of 8 basic levels, 6 procedure levels, and 6 loop levels.

Key Terms:
- Procedure - An established way of doing something. In Lightbot, the series of commands for P1 / P2 are defined in Proc1 / Proc2.
- Loop - A sequence of commands that are specified once but carried out multiple times. In Lightbot, loops are designed with recursion.
- Recursion - The process of repeating items in a self-similar way. In Lightbot, a procedure may refer to itself to repeat commands indefinitely.

Questions:
1. How many levels did you complete?
    a. Which level were you the proudest of solving, and why?
2. What is one thing that gave you some difficulty?
    a. How did you overcome it?
3. What are two purposes of procedures? Explain the benefit of using procedures in a language that a middle school student could understand.
4. What does LightBot have to do with algorithms and abstraction?