Homework 3: Structural and Behavioral Design Patterns

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1. Bit-Vectors

(c) Iterator Design Pattern

The main benefit for using this design pattern is that we can iterate over the original object without having to alter the it. It also helps us to generalize a traversal method and each object doesn't need its own interface cluttered with highly specialized methods. This, from a business perspective, allows us to hand out our Iterator to however many clients, and each client can use them as they please.