Exercise 4.74.

Alyssa P. Hacker proposes to use a simpler version of stream-flatmap in negate, lisp-value, and find-assertions. She observes that the procedure that is mapped over the frame stream in these cases always produces either the empty stream or a singleton stream, so no interleaving is needed when combining these streams.

a. Fill in the missing expressions in Alyssa's program.

b. Does the query system's behavior change if we change it in this way.

Answer.

a.

b. The query system's behavior won't be changed by this simpler version of stream-flatmap, since negate, lisp-value, and find-assertions all employ it by means of data abstraction.

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