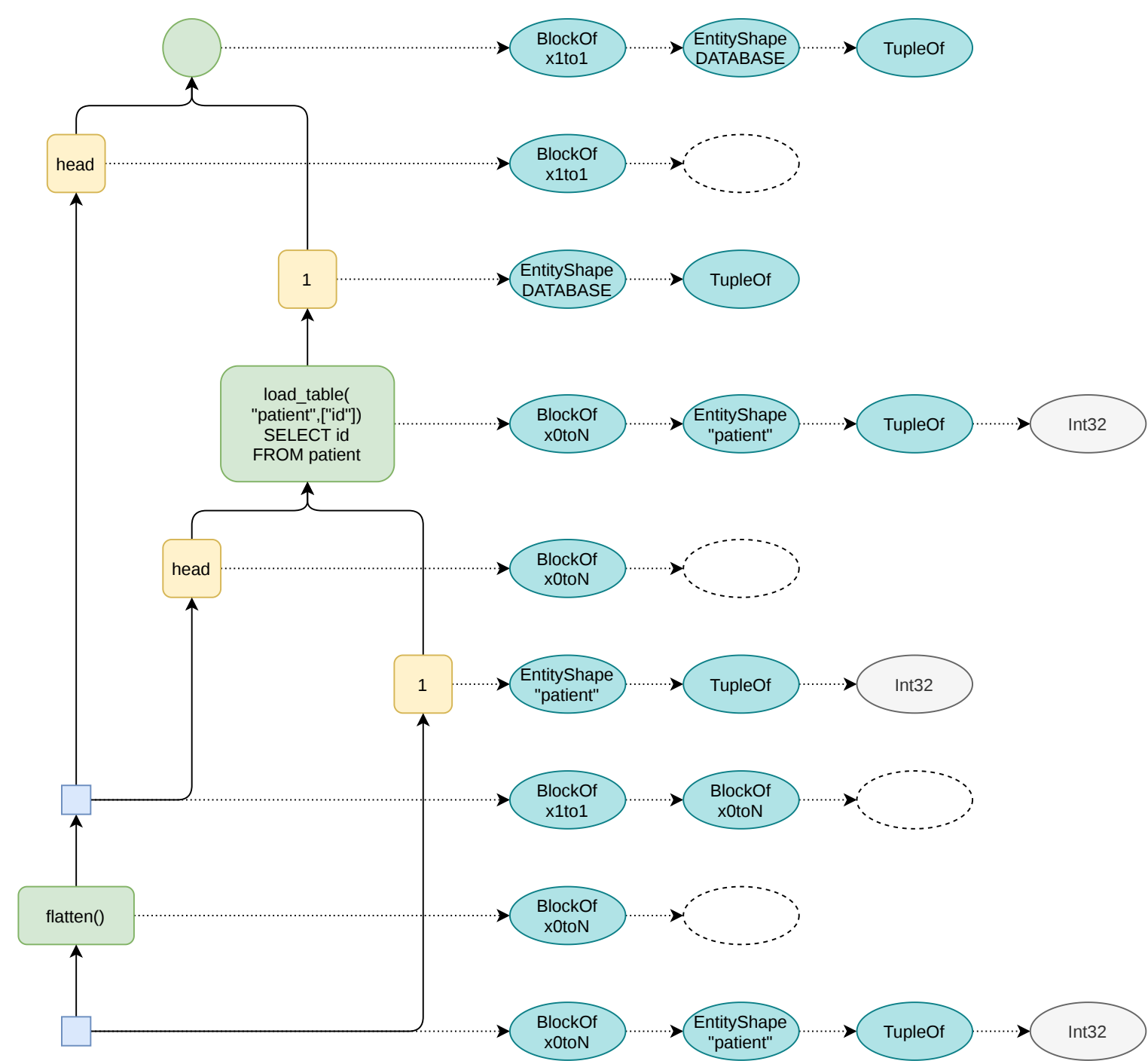


```
chain_of(
  with_elements(load_postgres_table(("public", "patient"), ["id"], [Int32])),
  flatten())
```



The diagram illustrates a complex computational graph, likely representing a neural network architecture or a data processing pipeline. The graph is composed of several interconnected components, including nodes, edges, and shaded regions.

Key Components and Flow:

- Inputs and Initial Processing:** The graph starts with inputs at the bottom left, including a blue square node and a green circle node. These feed into a series of operations: `column(1)`, `head`, and `output()`.
- Shaded Regions:**
 - A large **blue shaded region** encompasses the central part of the graph, including the `load_table` operations and the `cardinality` node.
 - A large **orange shaded region** is located on the right side, containing the `BlockOf` and `EntityShape` nodes.
- Core Operations:**
 - `load_table("patient", ["id"]) SELECT id FROM patient`: A query operation that feeds into a `head` node.
 - `load_table("patient", ["mn"], ["id"]) SELECT mn FROM patient WHERE id = ?`: Another query operation that feeds into a `head` node.
 - `cardinality(x1to1)`: A node that receives input from the `head` node and feeds into the `output()` node.
 - `output()`: A node that receives input from the `head` node and feeds into the `column(1)` node.
- Intermediate and Final Outputs:**
 - The graph includes numerous `BlockOf` and `EntityShape` nodes, which are connected to `TupleOf` nodes.
 - Final outputs are represented by nodes like `Int32`, `String`, and `BlockOf` nodes.

The graph shows a complex flow of data and operations, with a clear distinction between the blue and orange shaded regions, suggesting different functional areas or data types within the system.







```
chain_of(with_elements(load_postgres_table(("public", "patient"), ["id"], [Int32])),
  flatten(),
  with_elements(
    chain_of(
      load_postgres_table(("public", "patient"), ["mrn"], [String], ["id"]),
      block_cardinality(x1to1))),
  flatten()),
  with_elements(
    chain_of(
      output(),
      column(1))))
```















