

```
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 nodes and edges, organized into distinct regions.

Left Region (Main Graph):

- Top Section:** A green node labeled "load_table('patient')['id'] SELECT id FROM patient" is connected to a yellow node labeled "1". This node is further connected to a yellow node labeled "head".
- Middle Section:** A green node labeled "load_table('patient')['mn'], ['id'] SELECT mn FROM patient WHERE id = ?" is connected to a yellow node labeled "1". This node is further connected to a yellow node labeled "head".
- Bottom Section:** A green node labeled "cardinality(x1to1)" is connected to a yellow node labeled "1". This node is further connected to a yellow node labeled "head".
- Output Section:** A green node labeled "output()" is connected to a yellow node labeled "1". This node is further connected to a yellow node labeled "head".
- Column Section:** A green node labeled "column(1)" is connected to a yellow node labeled "1". This node is further connected to a yellow node labeled "head".
- Input Section:** A green node labeled "atten()" is connected to a yellow node labeled "1". This node is further connected to a yellow node labeled "head".

Right Region (Data Flow):

- A series of nodes and edges, including "BlockOf x1to1", "EntityShape DATABASE", "TupleOf", "Int32", "String", and "BlockOf x0toN", are connected to the main graph.
- These nodes are arranged in a vertical column, with edges indicating the flow of data between them.

Shaded Regions:

- A large blue shaded region covers the central part of the graph, encompassing the "load_table" and "cardinality" nodes.
- A large orange shaded region covers the bottom part of the graph, encompassing the "output" and "column" nodes.

Connections:

- Nodes are connected by solid lines, representing the primary data flow.
- Nodes are also connected by dashed lines, representing secondary or auxiliary data flow.







```
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))))
```















