

# Exercise

```
test_database: BOOLEAN
local
  db: DATABASE[STRING, INTEGER]
  tuples: LINKED_LIST[TUPLE[INTEGER, STRING]]
do
  create db.make
  create tuples.make
across
  db is t
loop
  tuples.extend (t)
end
end
```

```
class
  DATABASE[G, H]
inherit
  ITERABLE[ ]
feature {NONE} -- Implementation
  gs: ARRAY[G]
  hs: ARRAY[H]
feature -- Iterable
  new_cursor: ITERATION_CURSOR[ ]
  local
    db_cursor: ITEM_ITERATION_CURSOR[H, G]
  do
    create db_cursor.make ( )
    Result := db_cursor
  end
end
```

```
deferred class
  ITERABLE [G]
feature -- Access
  new_cursor: ITERATION_CURSOR [G]
deferred end
end
```

new\_cursor\*

```
deferred class
  ITERATION_CURSOR [G]
feature -- Cursor features
  item: G
after: BOOLEAN
forth
deferred end
```

Hints

```
class
  ITEM_ITERATION_CURSOR[M, N]
inherit
  ITERATION_CURSOR[ ]
create
  make
feature {NONE} -- Implementation
  ms: ARRAY[M]
  ns: ARRAY[N]
feature -- Constructor
  make (new_ns: ARRAY[N]; new_ms: ARRAY[M])
do ... end
feature -- Cursor features
  item:
do ... end
after: BOOLEAN
do ... end
forth
do ... end
end
```

new\_cursor+

+db+