### Introduction of the data files

Each instance associates with four files: **port**, **demand**, **ship**, and **alldistance**.

The data in file **port** records for each port (each row) the

* port code,
* transshipment cost,
* fixed port call cost,
* port draft,
* lift cost,
* port call cost per unit container,
* max visits in a route.

The data in file **demand** records for each o-d demand pair (each row) the

* origin port code
* destination port code
* weekly demand volume
* freight rate

The data in file **ship** records for each ship type (each row) the

* ship type code
* capacity
* fixed occupancy cost
* ship draft
* minimum speed
* maximum speed
* design speed
* design fuel consumption rate
* idle fuel consumption rate
* fleet size
* panama canal fee
* sues canal fee

The data in file **alldistance** records for each voyage leg (each row) the

* origin port code
* destination port code
* length of distance
* pass panama canal or not
* pass sues canal or not
* voyage leg draft

The configuration information can be read from the file: **config**.

The data in file **config** records for each configuration the

* ship type index
* sailing speed
* service frequency