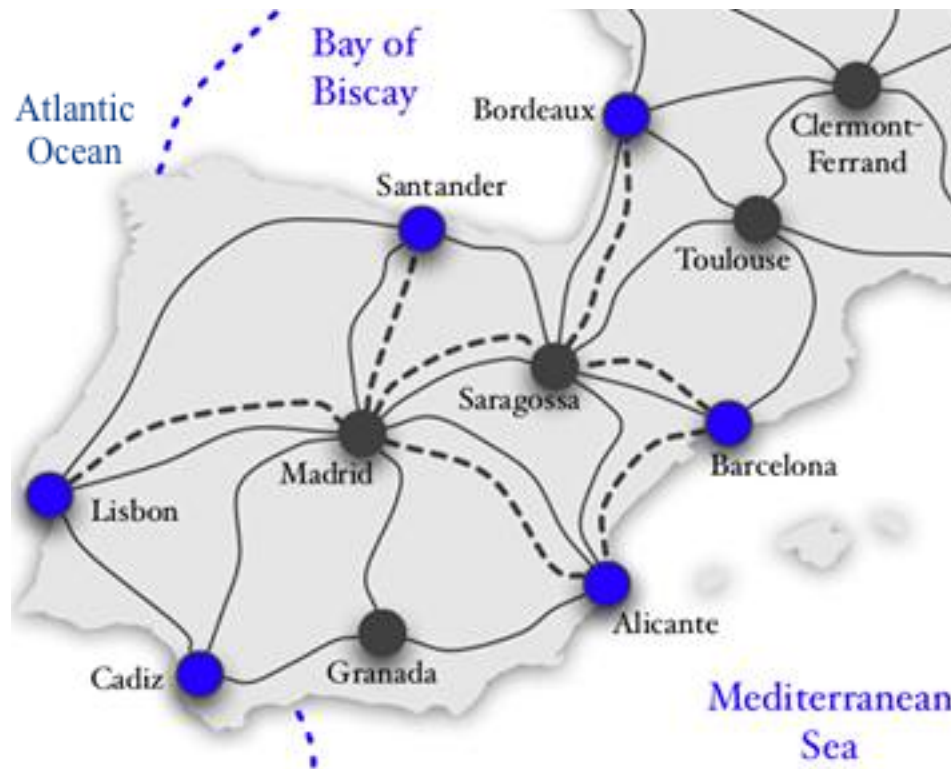


COMP1927 15s2 Final Exam

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Question 4 (5 marks)

The following diagram shows a portion of the map of Europe from the Fury of Dracula game.



Using your knowledge of the game from Assignment 2 and/or the above map, answer the following questions:

- What is the destination if Dracula teleports? (1/2 mark)
 - What does "C?" represent in the `pastPlays` string? (1/2 mark)
 - What is the precise condition for a hunter to be transported to the Hospital of St. Joseph and St. Mary? (1 mark)
 - If Van Helsing (player ID: 2) is in Lisbon with full life points at the start of round number 4, what are his possible locations after his move in this round? For each location, give the name of the location, and the mode(s) of transport that could be used to reach it. (2 marks)
- (Hint: rail moves are governed by the formula: $(playerID + roundNum) \% 4 = \text{maxHops}$)
- Which of the locations in the previous question would *not* be available as a possible destination for Dracula if he was also starting from Lisbon in round number 4? (1 mark)

Type the answer to this question into the file called `q4.txt` and submit it using the command:

```
submit q4
```