A Wizard of Earthsea

In a certain remote section of the Earthsea archipelago, unusally turbulent tides completely submerge some of the islands in different seasons of the year. In spring, the islands are entirely submerged; the following maps show which islands are accessible in the other three seasons.

Each season, bridges are magically erected between the islands that are accessible that season. In accordance with tradition, each island may have 0, 1 or 2 bridges touching it in each of the four cardinal directions, with the island's total for a given season depicted on that season's map. In a given season, no bridges may cross each other, and any visible island must be reachable from any other.

Alas, some information is missing on the maps, and placeholder symbols have been substituted. Each symbol below is shown with the three pieces of information that must be assigned to the three different islands the symbol appears on over the three given seasons, in some order. The information is either the number of bridges touching the indicated island in a particular season or the name of the indicated island (which of course is the name of the island in that location no matter what the season -- the Earthsea islands are not migratory). The three pieces of information for each symbol are given in strictly ascending order by the number of bridges the designated islands have in the season indicated.

Bridges are conjured at a cost to each island, *each season*, of one spell per bridge touching that island that season. Of particular interest are the thirteen named islands. As a wizard-in-training, you have been charged with determining how many spells must be cast for each of those islands over the course of an entire year. Good luck!

 = 1 / 6 / Aianai

 = Bianai / 4 / 7

 = 2 / 5 / Cianai

 = Dianai / 3 / 5

 = 1 / Eianai / 5

 = 2 / Fianai / 7

 = 3 / Gianai / 6

 = 2 / 5 / Hianai

 = 2 / Iianai / 6

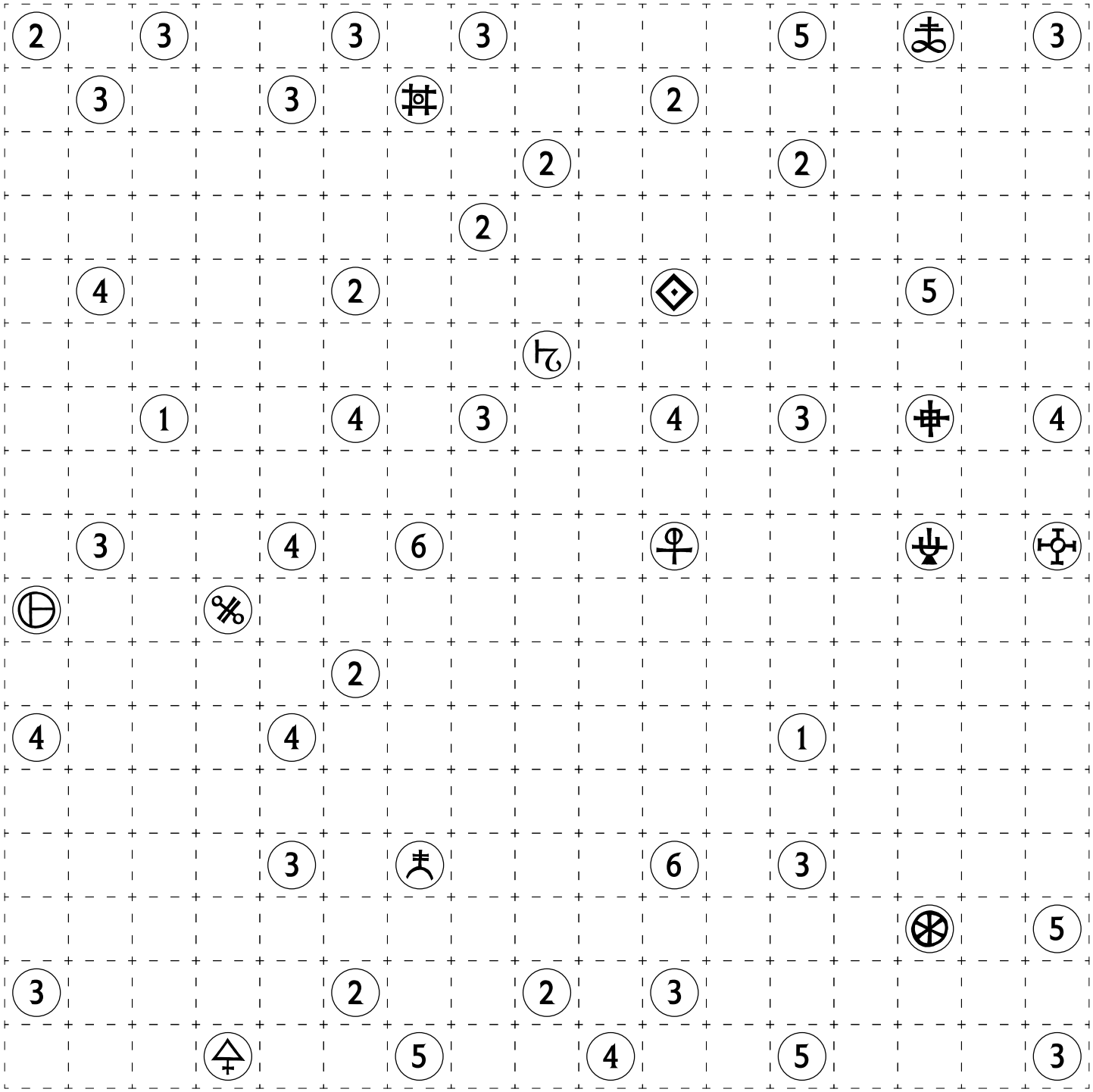
 = 4 / Jianai / 8

 = 2 / Kianai / 8

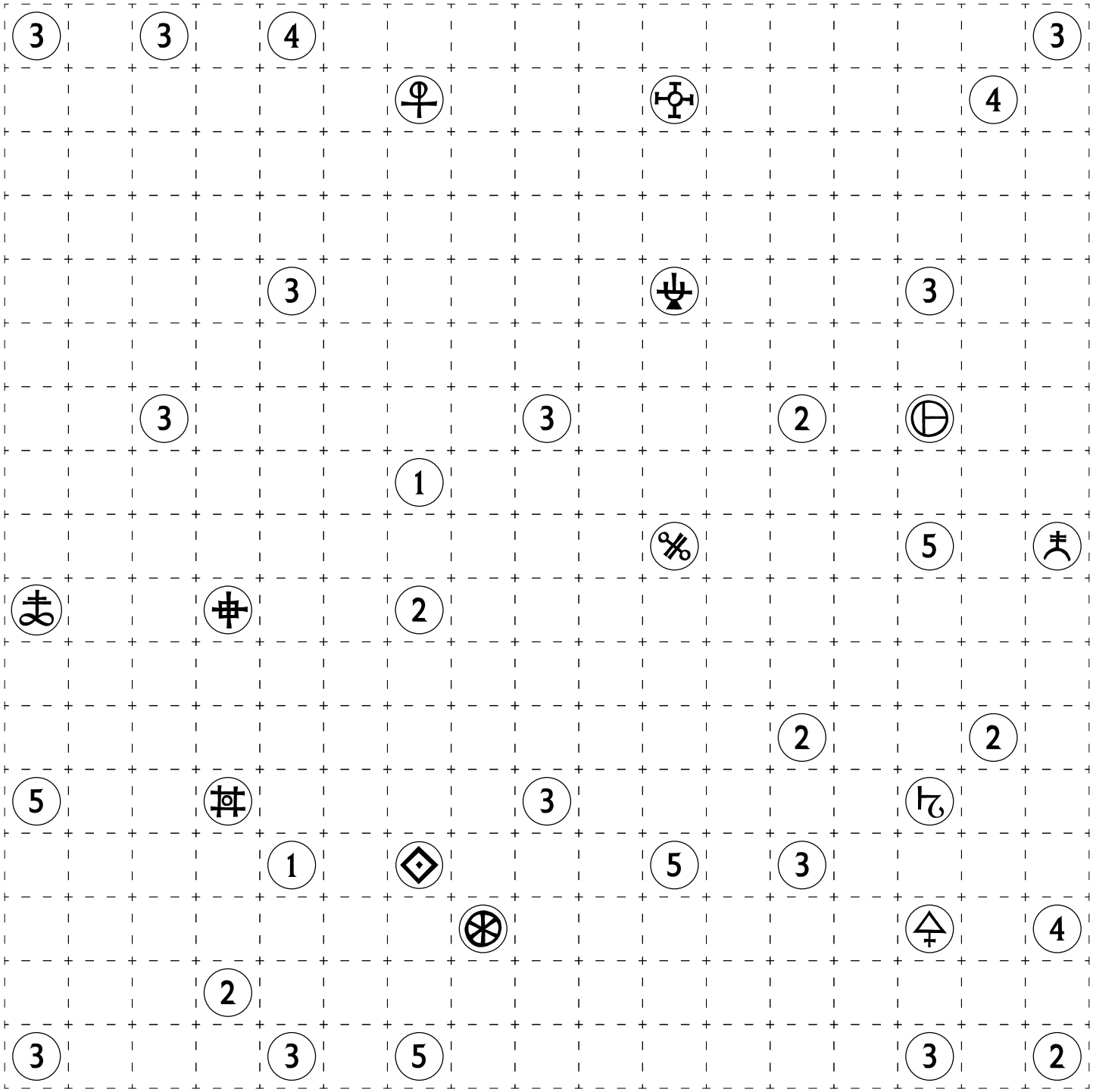
 = Lianai / 4 / 6

 = 2 / 3 / Mianai

SUMMER



AUTUMN



WINTER