

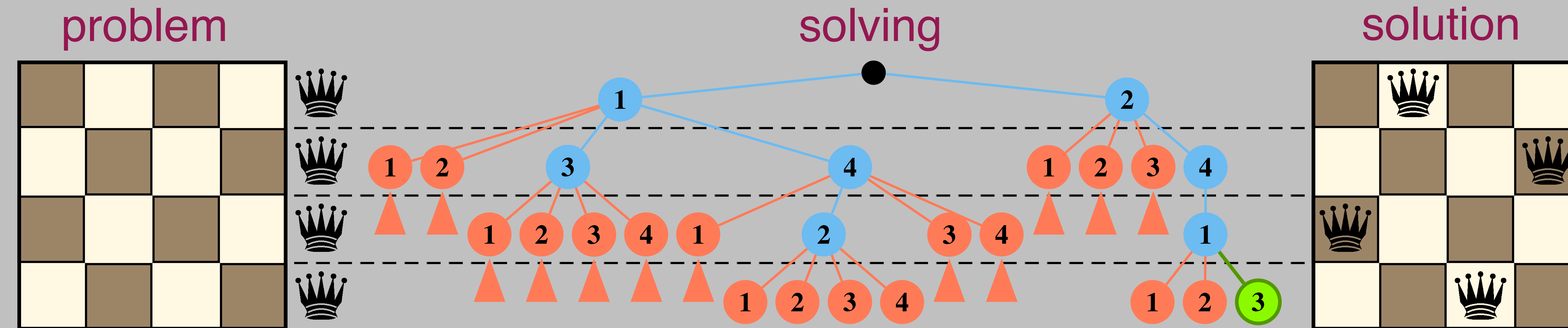
Searching for Problems

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A Constraint Satisfaction Problem

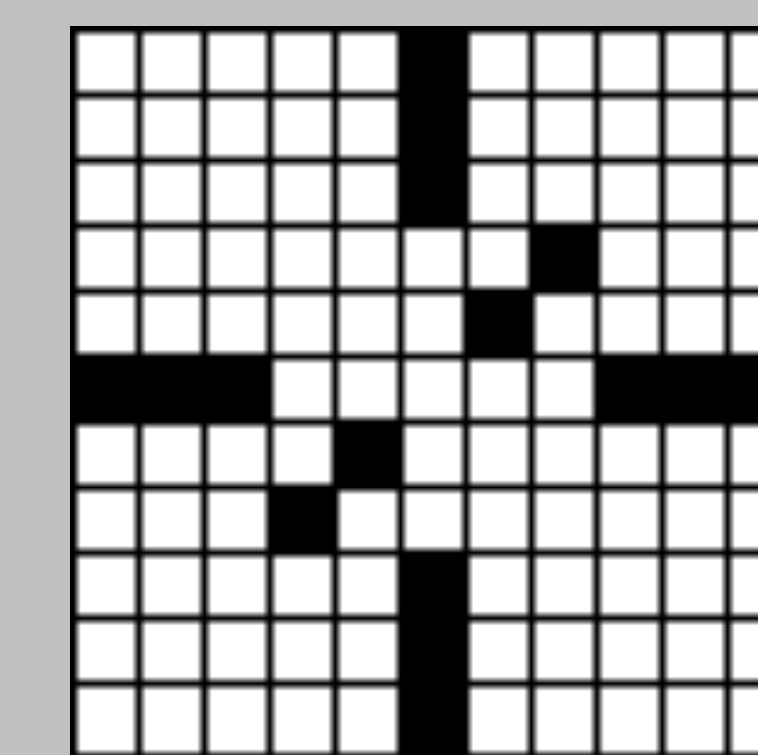
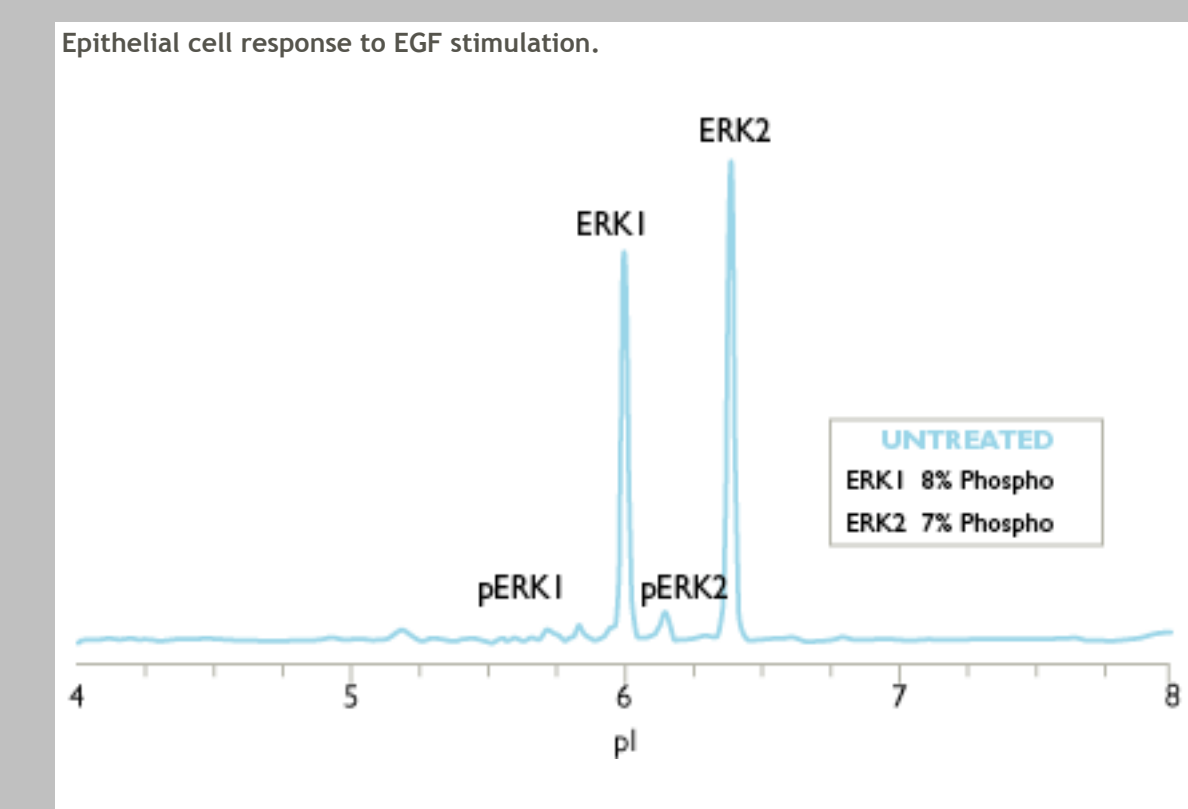
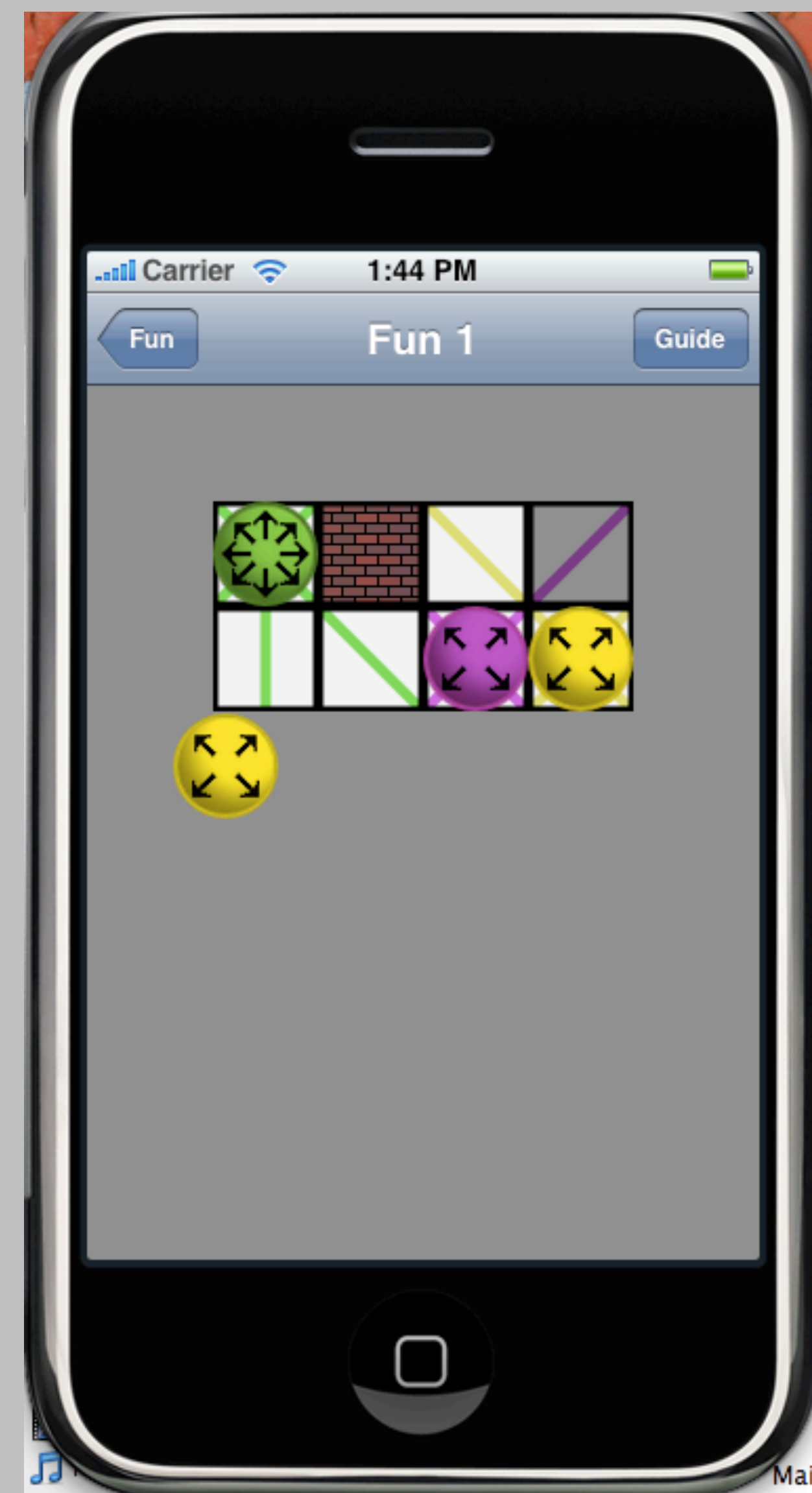
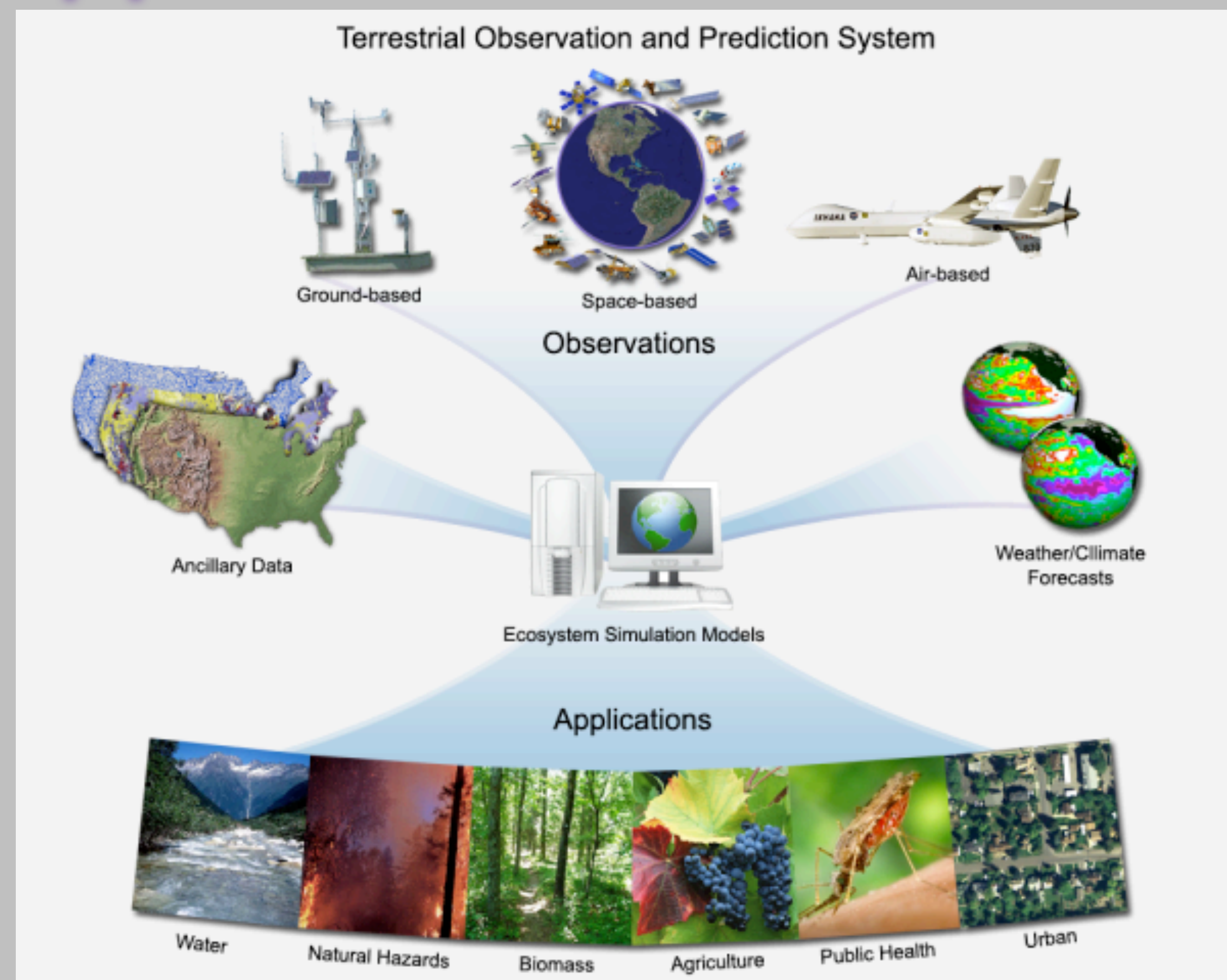
Place the 4 queens on a chessboard so that none of the queens attack each other



Research

- ★ We are interested in solving industrial problems and problems arising from other areas of science.
- ★ Currently working on a new constraint solver that will automatically create a specialised program to solve any given problem.

Applications



Randomly Generated Crossword (11 x 11)

Across

- 1. a drama set to music; consists of singing with orchestral accompaniment and an orchestral overture and interludes
- 6. a landlocked republic to the south of Russia and to the northeast of the Caspian Sea; the original Turkic-speaking inhabitants were overrun by Mongols in the 13th century; an Asian soviet from 1936 to 1991
- 11. (Norse mythology) race of ancient gods sometimes in conflict with the Aesir
- 12. Finnish architect and designer of furniture (1898-1976)
- 13. disturb the balance or stability of
- 14. an ethnic minority of Polynesian and Melanesian descent who speak _____ and live in New Zealand
- 15. Hindu goddess of fortune and prosperity
- 17. prepare (a metal) for soldering or brazing by applying a thin layer of solder to the surface
- 18. tall tufted perennial grasses (such as lyme grass or wild rye)
- 19. blatant or sensational promotion
- 20. an edible seaweed with a mild flavor
- 22. leavened bread baked in a clay oven in India; usually shaped like a teardrop
- 25. an operation that determines whether one or more of a set of items has a specified property
- 29. South American wood sorrel cultivated for its edible tubers
- 30. a large crater caused by the violent explosion of a volcano that collapses into a depression
- 31. like a pulp or overripe; not having stiffness
- 33. viscera and trimmings of a butchered animal often considered inedible by humans
- 34. perplexed by many conflicting situations or statements; filled with bewilderment
- 35. apartment consisting of a series of connected rooms used as a living unit (as in a hotel)
- 36. allow participation in or the right to be part of; permit to exercise the rights, functions, and responsibilities of
- 37. become different in some particular way, without permanently losing one's or its former characteristics or essence

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