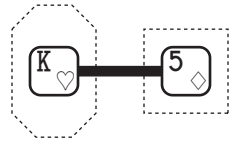


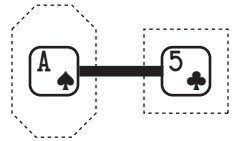
Circuit Constraints 1-13

Doctor When comments:

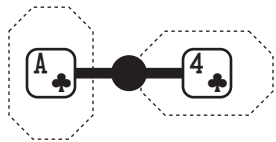
“The first set of constraints should be pretty straightforward. If you study them in order, you should be able to place at least one component or draw at least one connection. Some of the early constraints won't be completely used up, so don't forget about them when you get the later constraints!”



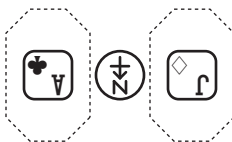
1. The Hartley Sparking Spot should be **one hop away** from the Dimension Rectifier.
(But remember, not necessarily on the left!)



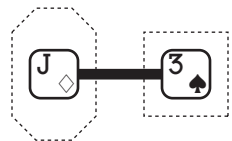
2. The Spartan Acentuator should be **one hop away** from the Cluster Rectifier.



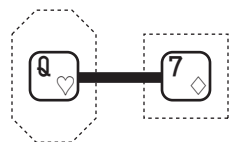
3. The Cluster Acentuator should be **two hops away** from the Cluster Enfourcer.



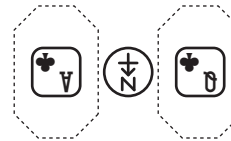
4. The Cluster Acentuator should be **due east** of the Dimension Input Jack.



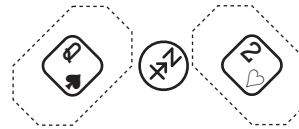
5. The Dimension Input Jack should be **one hop away** from the Spartan Threesistor.



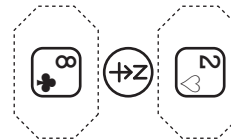
6. The Hartley Queenistor should be **one hop away** from the Dimension Sevenar Circuit.



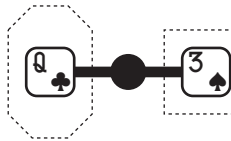
7. The Cluster Acentuator should be **due east** of the Cluster Queenistor.



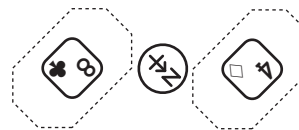
8. The Spartan Queenistor should be **due southwest** of the Hartley Twopacitor.



9. The Cluster Freight Chip should be **due south** of the Hartley Twopacitor.



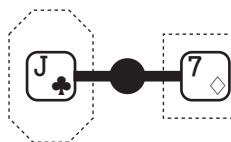
10. The Cluster Queenistor should be **two hops away** from the Spartan Threesistor.



11. The Cluster Freight Chip should be **due southeast** of the Dimension Enfourcer.



12. The Dimension Enfourcer should be **three hops away** from the Spartan Threesistor.



13. The Cluster Input Jack should be **two hops away** from the Dimension Sevenar Circuit.