





## 04

Add new strut to the set of 5 struts. And make a triangular rope. Triangle has original turburance direction. If pentagonal rope is in counter clockwise, the triangle rope need to be the same direction.

> basic rule Two wires connected to a strut. And one rope of wire connected to and belongs to a strut.





























as strut slides along wire, the pentagon highlited in yellow expand. This convert each vertex of an icosahedron, that is a point to a pentagon that is hilighted in orange in the photo. This convert icosahedron to a polyhedra known as football. And this proccess infrates the polyhedra therefore it gives pre-tension to wires.

2.000



Adjust each position of struts to keep each pentagon as regular pentagon when the model gain enough pretension in wires. Keep polyhedra's symetry to keep spherical outline the tensegrity has.



Fix all tooth picks with quick dry glue and cut out toothpicks with hand to finish. Use nail cutter to cut out the tooth picks when it is difficult.