Truss Design

Since the strength of a beam is determined by it's depth, the deeper the beam the stronger it is. A solid deep beam is heavy and expensive so one solution is to build it out of sticks. We call this a truss.

Since parallelograms are not stable under a load and triangles are, we find that triangular shapes are the best for trusses.

The deck of the bridge may be **on top** of the truss, **below** the truss or **through** the truss.

