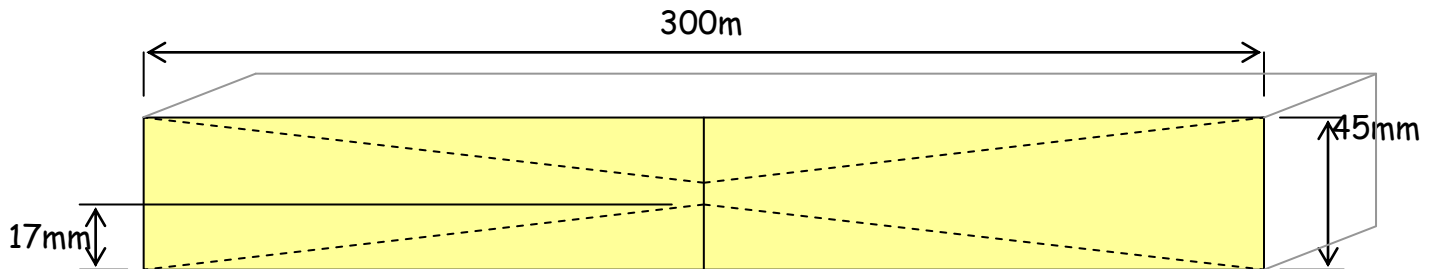
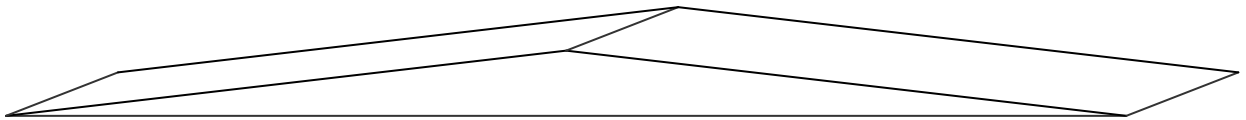


RoboCup Rescue Bridge Construction

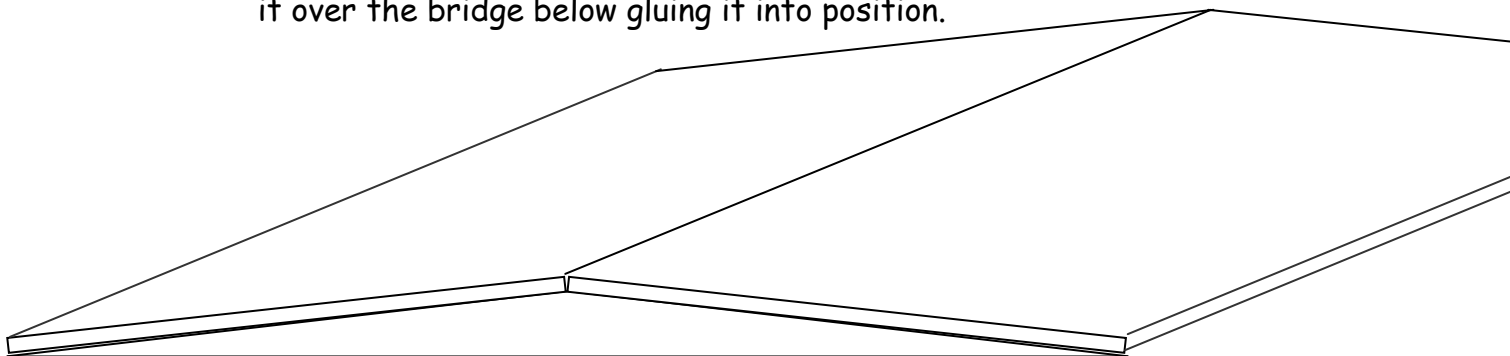
Materials: 1 piece of 45mm x 45mm x 300mm pine
2 pieces of 3mm x 152 x 300 white melamine finish MDF



1. Cut a 300mm length of 45mm x 45mm pine OR high density foam.
2. Mark off the centre point of the piece as shown. Measure in 17mm from each edge.
3. Mark out the diagonals from the 17mm centre point to the outer edges creating a double ended wedge.
4. Using a band saw, cut along the dotted lines.
5. If necessary, smooth the cut faces with a disc sander.



1. Cut 2 pieces of 3mm white melamine finish MDF into 152mm x 300mm rectangles for the ramps.
2. Plane a small chamfer on the two edges that will meet in the middle.
3. Use PVA glue to fix the ramps to the double ended wedges.
4. Use black insulation tape for the line.
5. Alternatively, place this bridge under the Bridge Rescue tile by cutting the side edges of the bridge outline on the tile and pushing it over the bridge below gluing it into position.



Finished Bridge