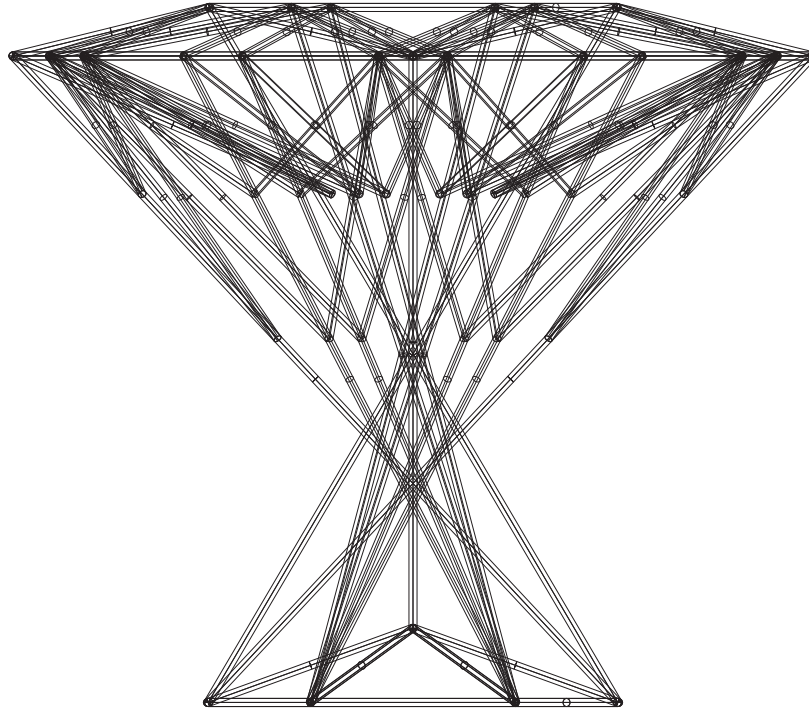


# TREE FRAME OPTIONS



DOWEL COMPONENTS , 2 - 13

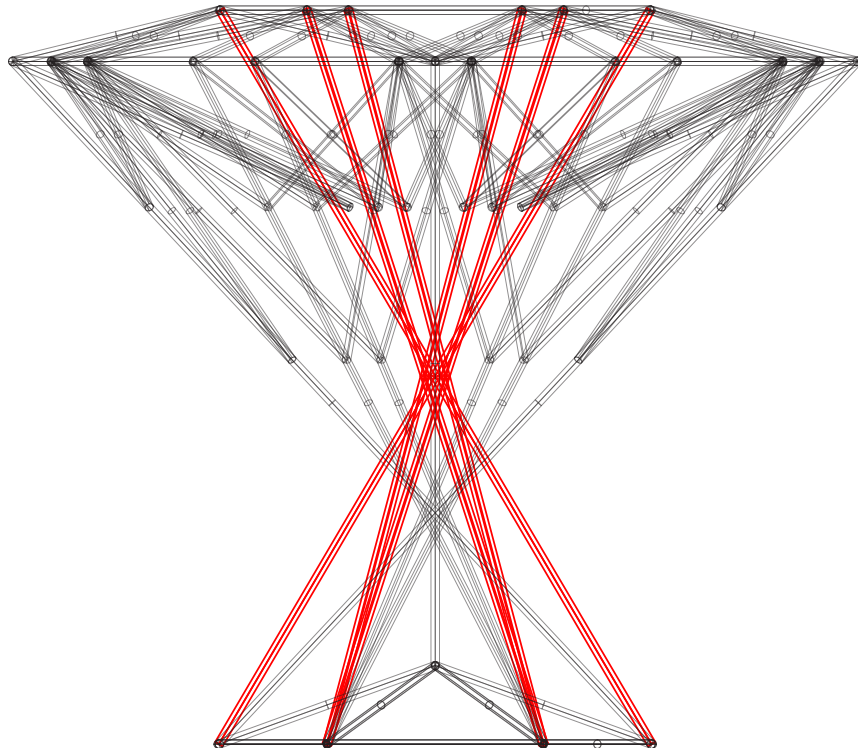
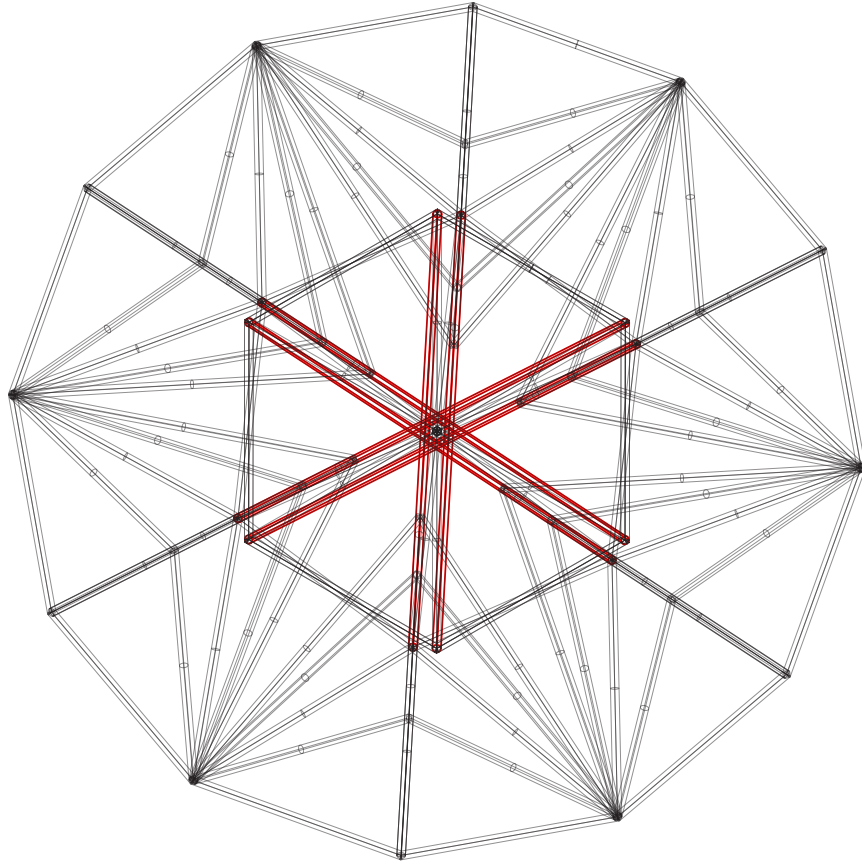
FRAME CONFIGURATIONS , 14 - 39

MATERIAL COSTS , 40

3D PRINTED NODES , 41 - 43

A2 - 33.84 IN (6) , 14.02 IN (6)

A1 - 48.9 IN (6)

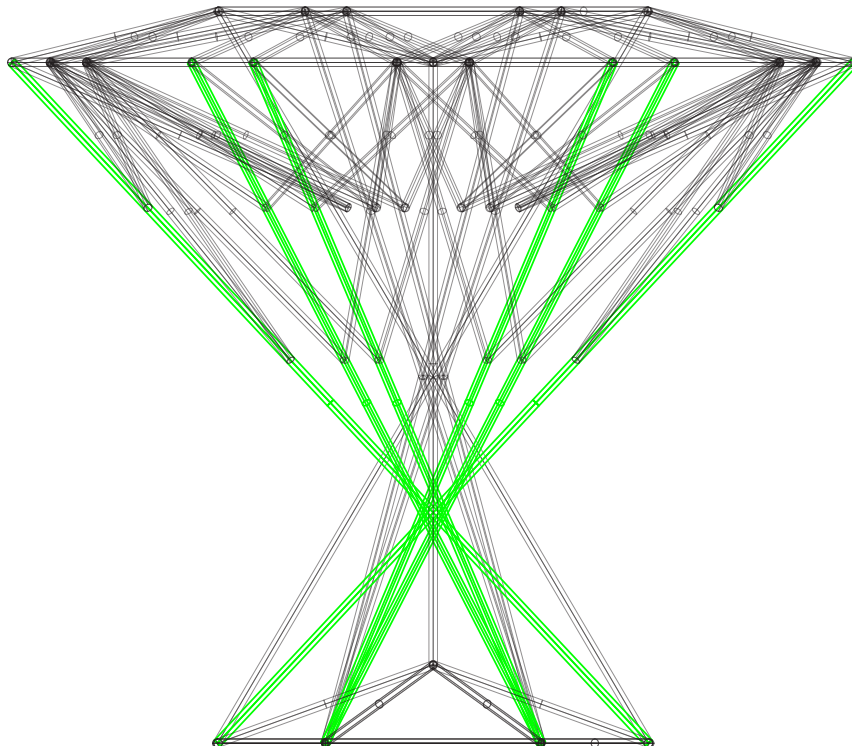
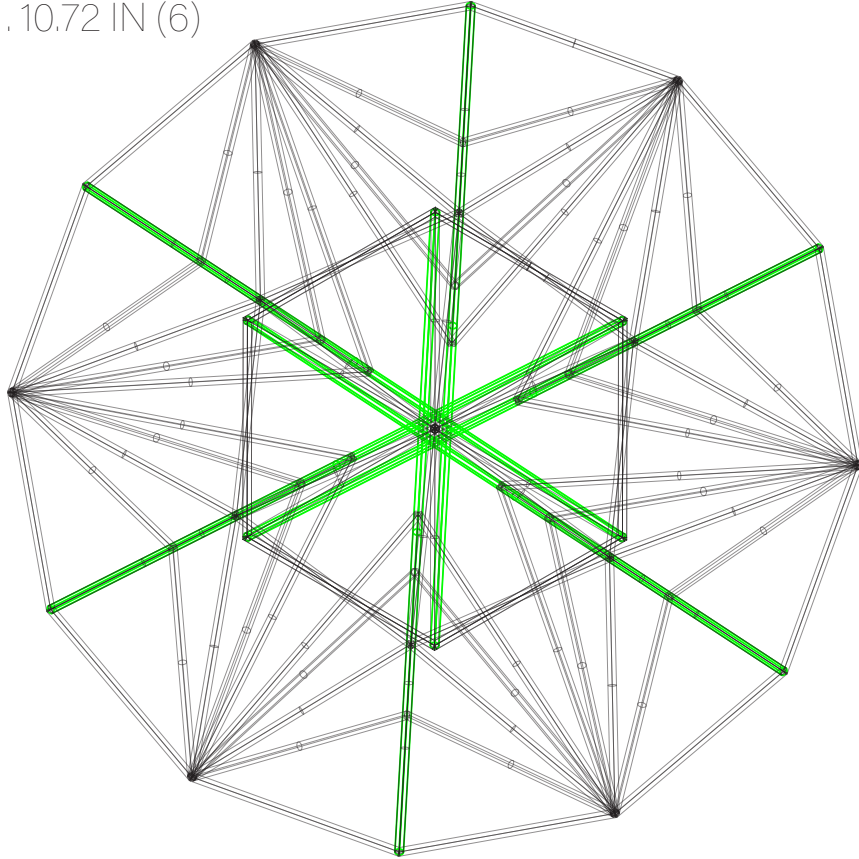


B3 - 29.84 IN (6) . 11.27 IN (6) . 10.72 IN (6)

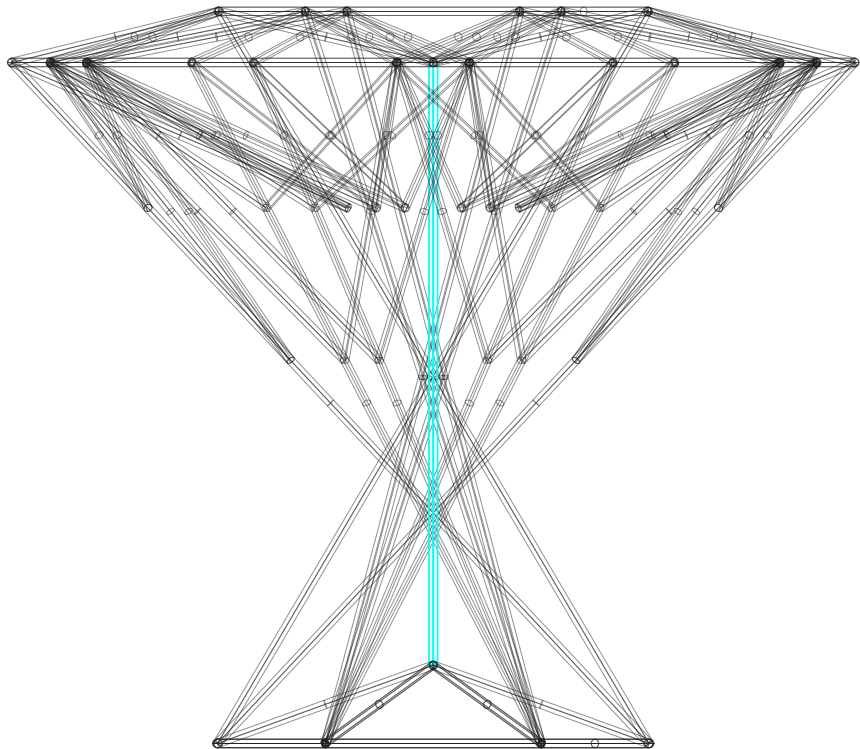
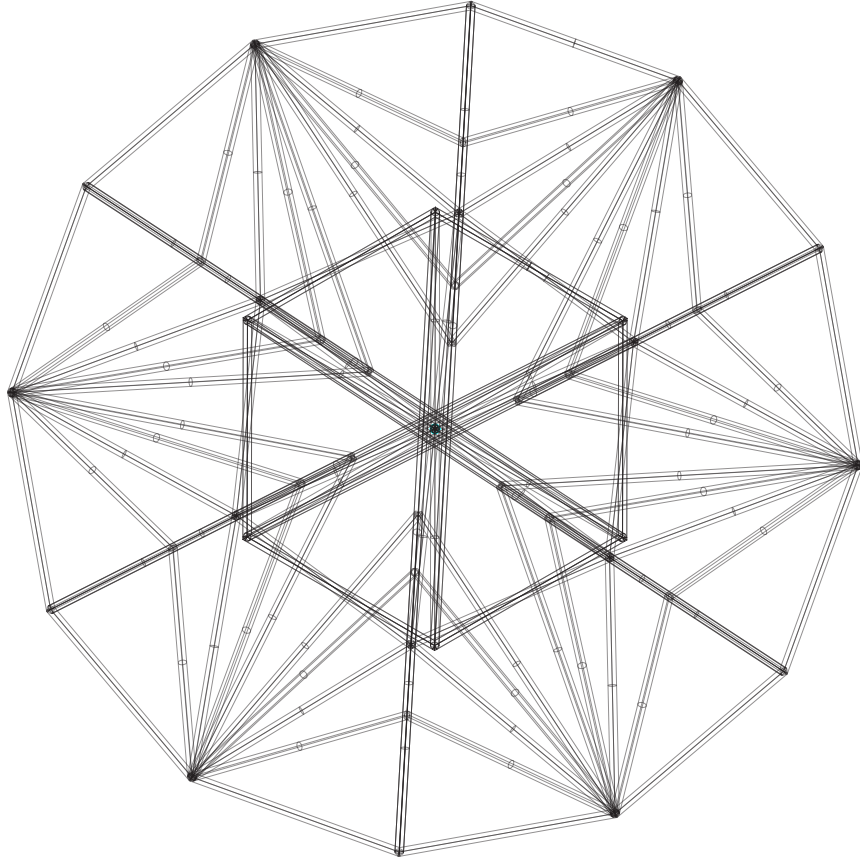
B2(K) - 29.84 IN (6) . 22.98 IN (6)

B2(J) - 42.11 IN (6) . 10.72 IN (6)

B1 - 53.8 IN (6)

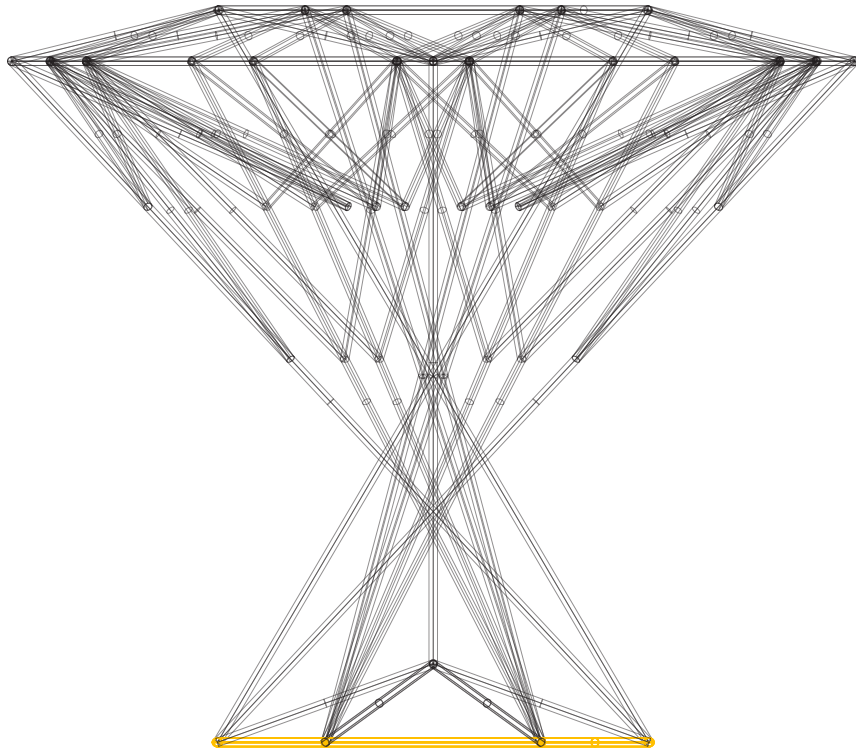
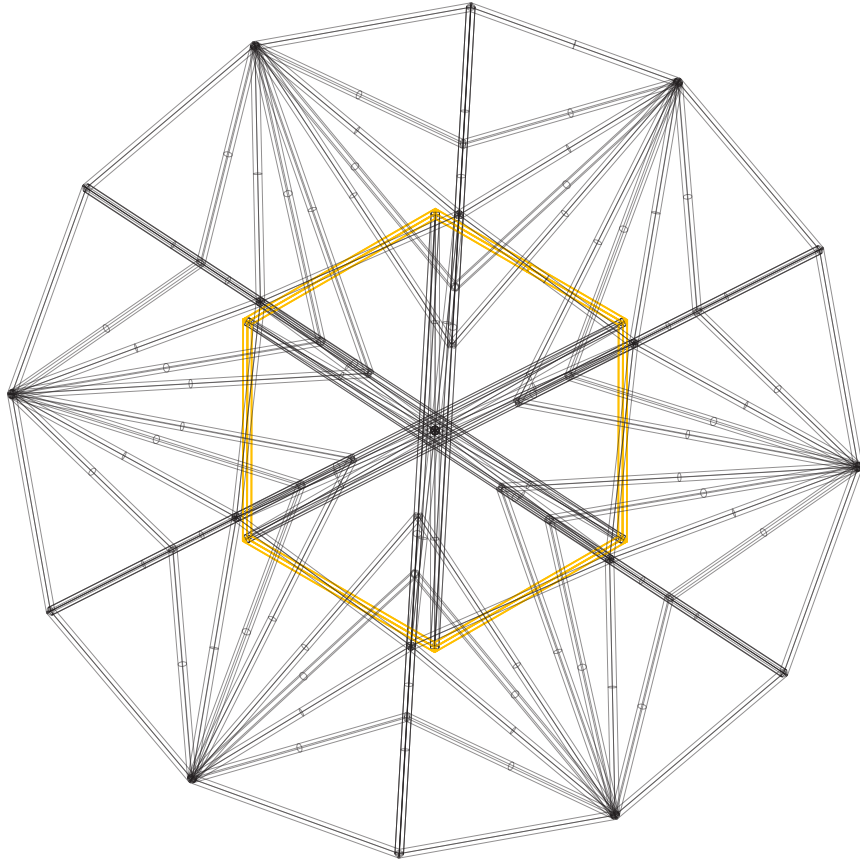


C - 34.4 IN (1)

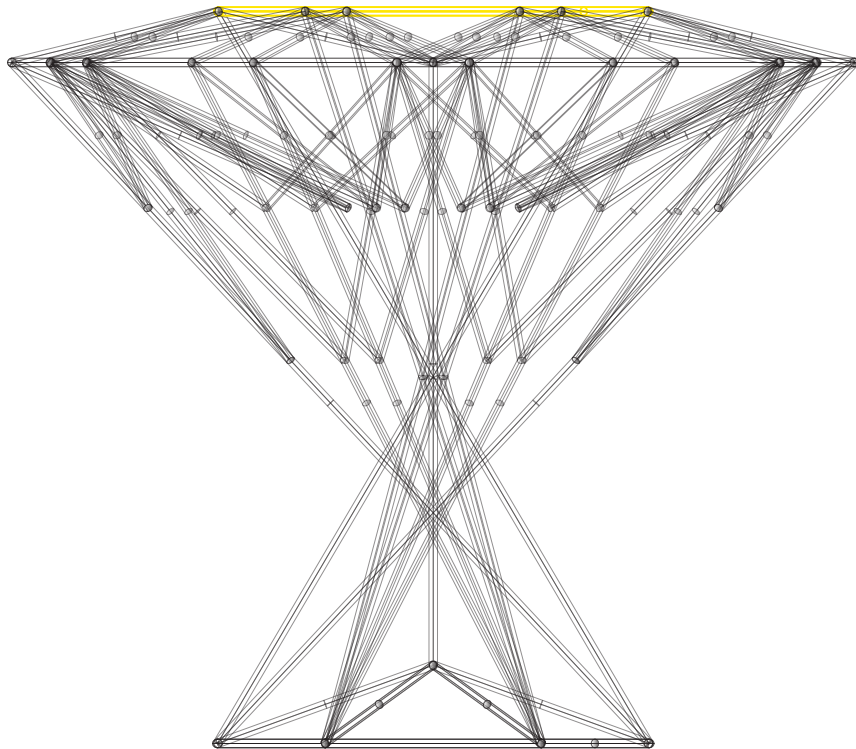
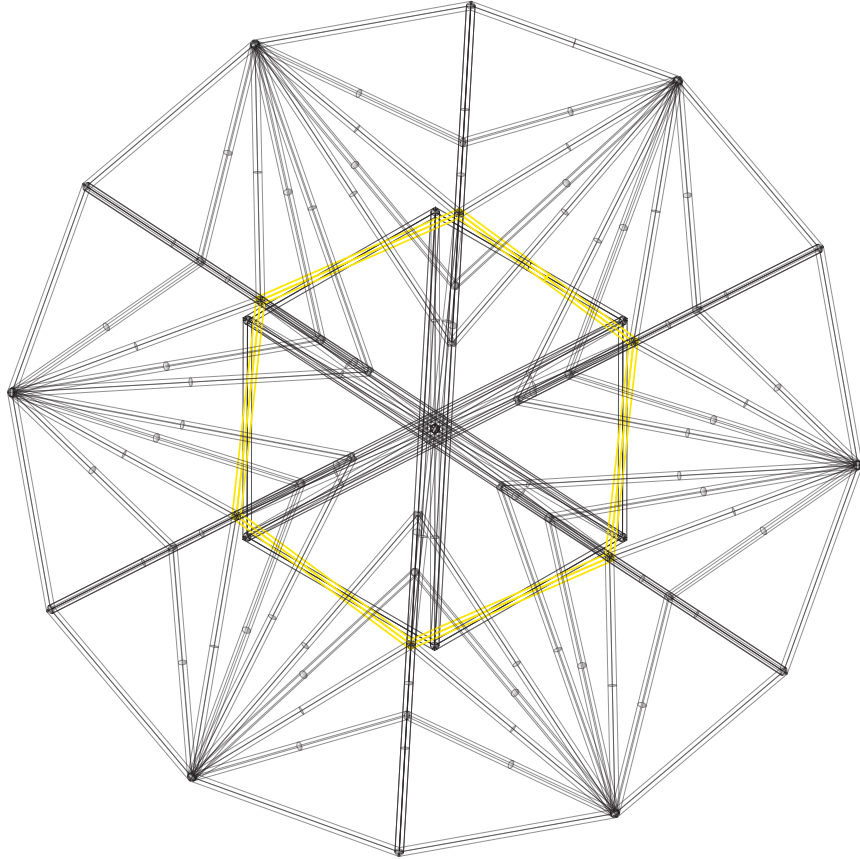


Component Set: C

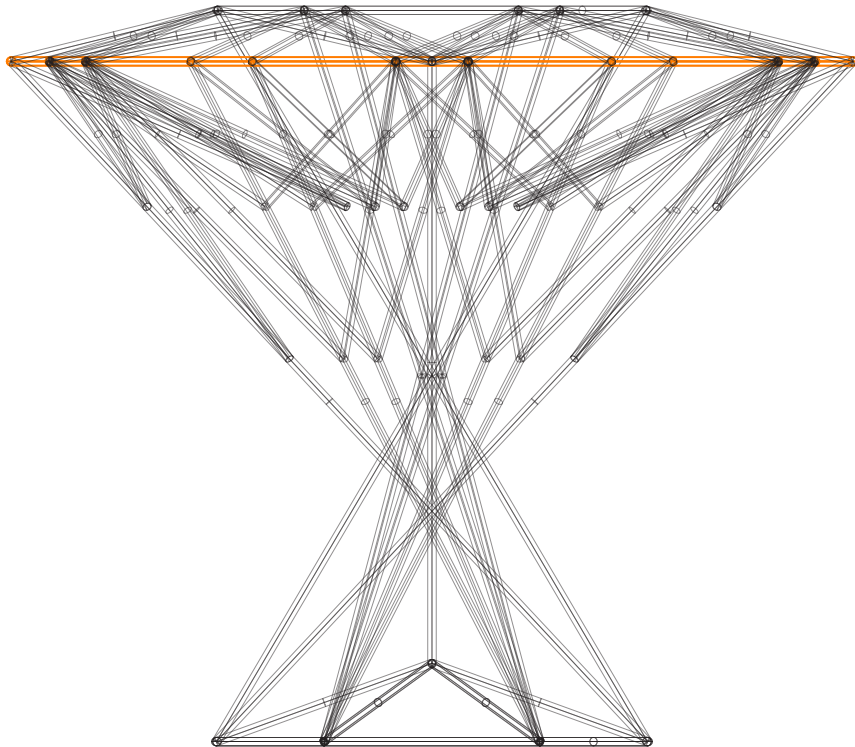
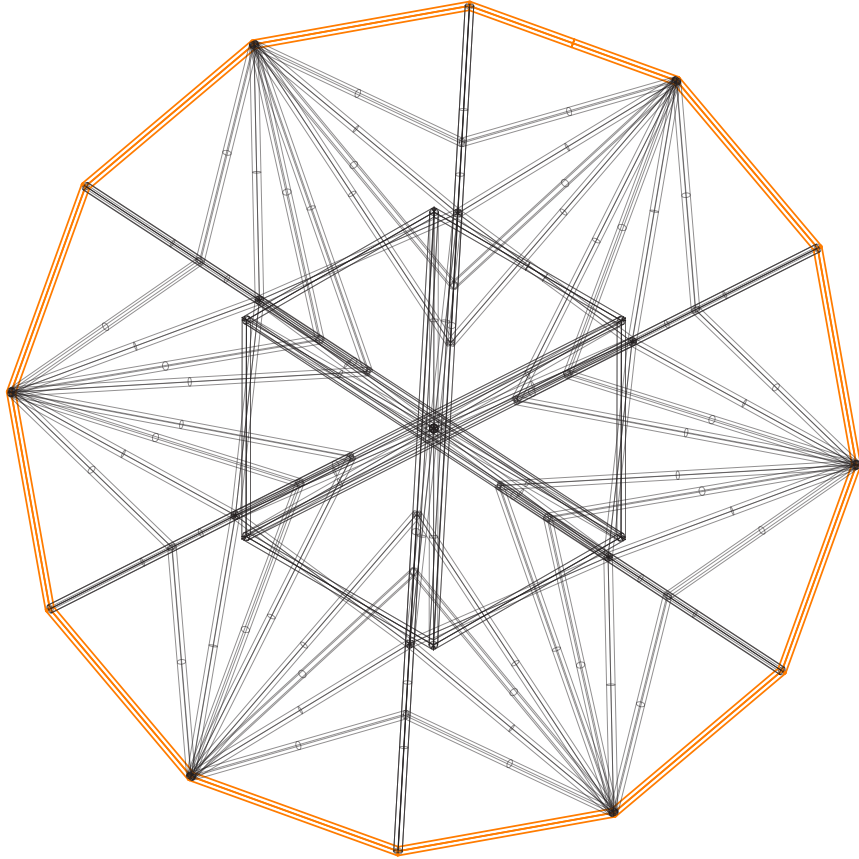
D - 11.68 IN (6)



Component Set: D



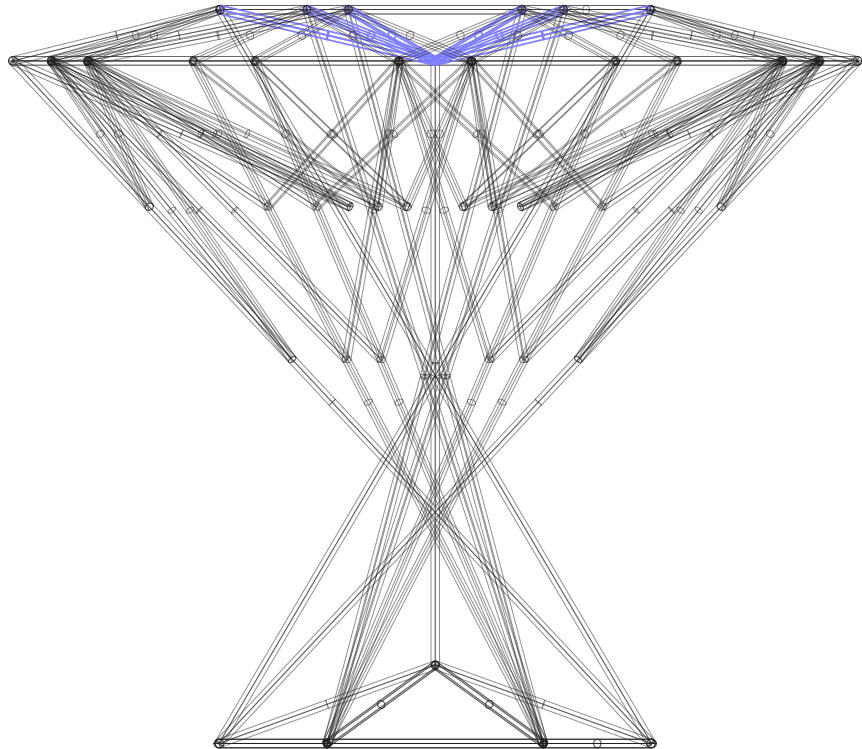
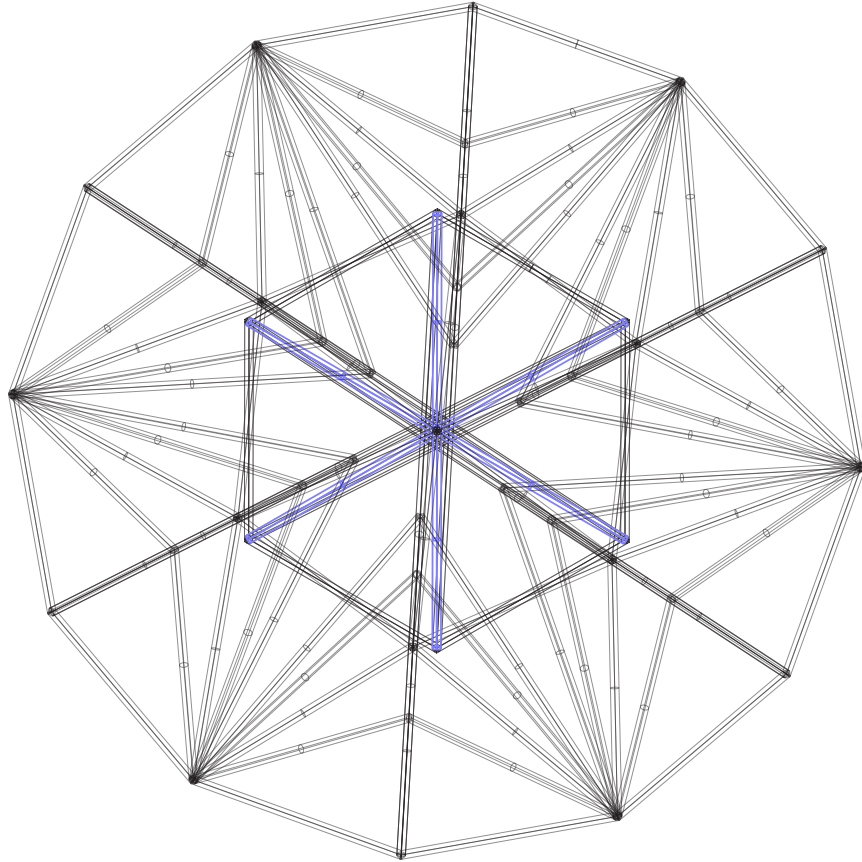
E - 11.82 IN (6)



Component Set: F

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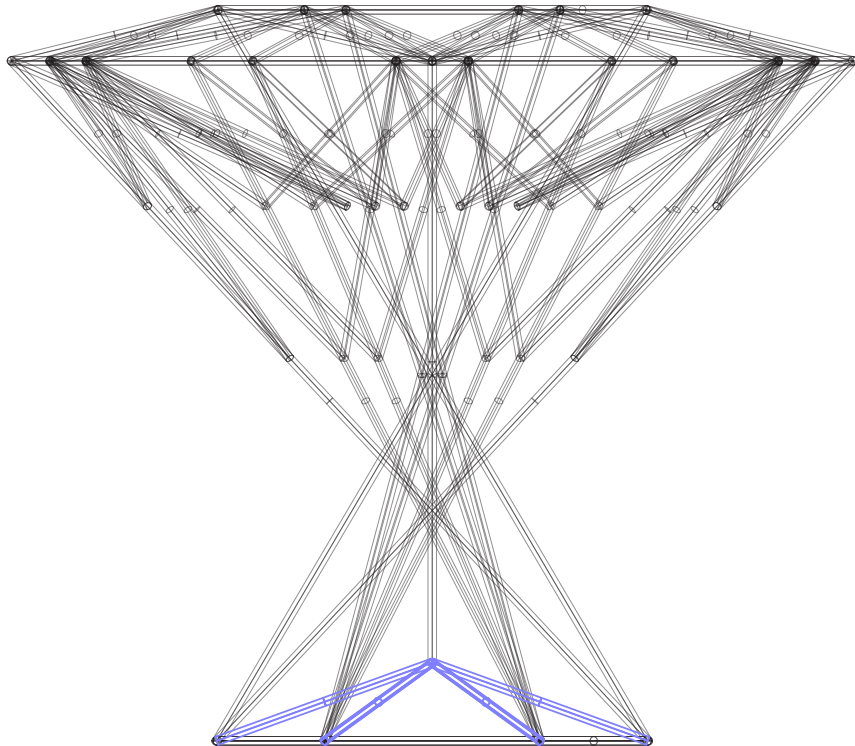
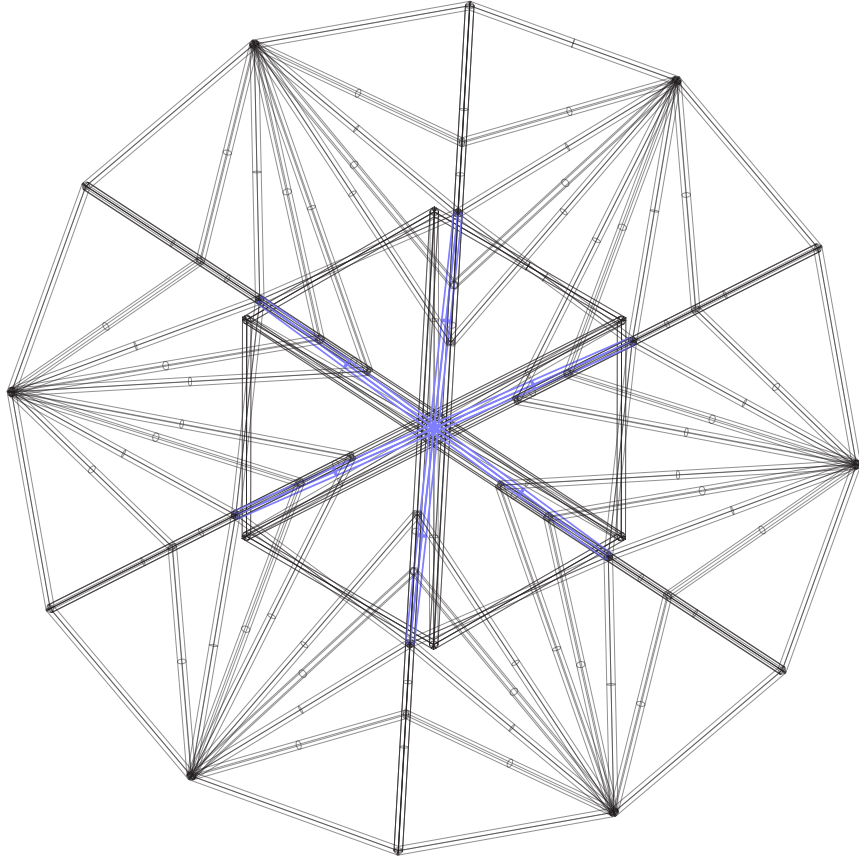
G - 12.48 IN (6)



Component Set: G

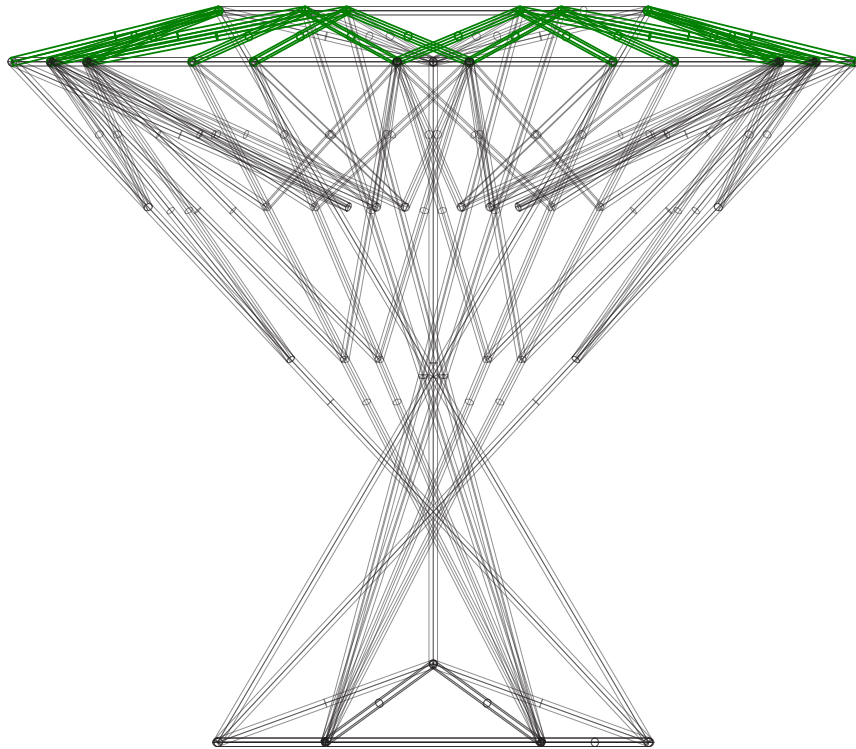
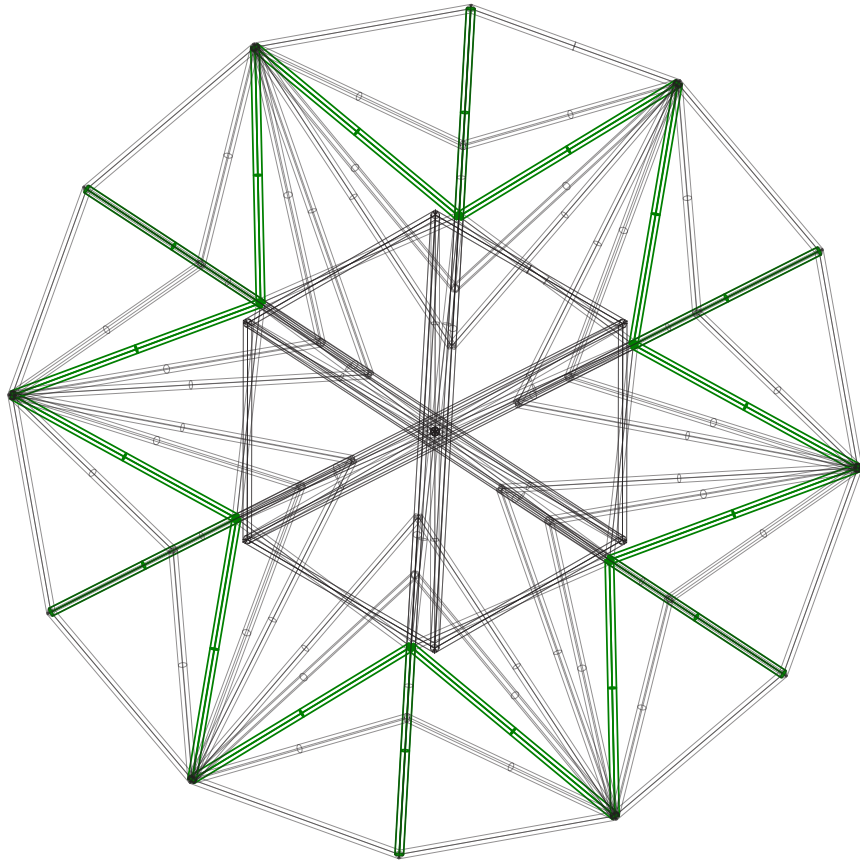


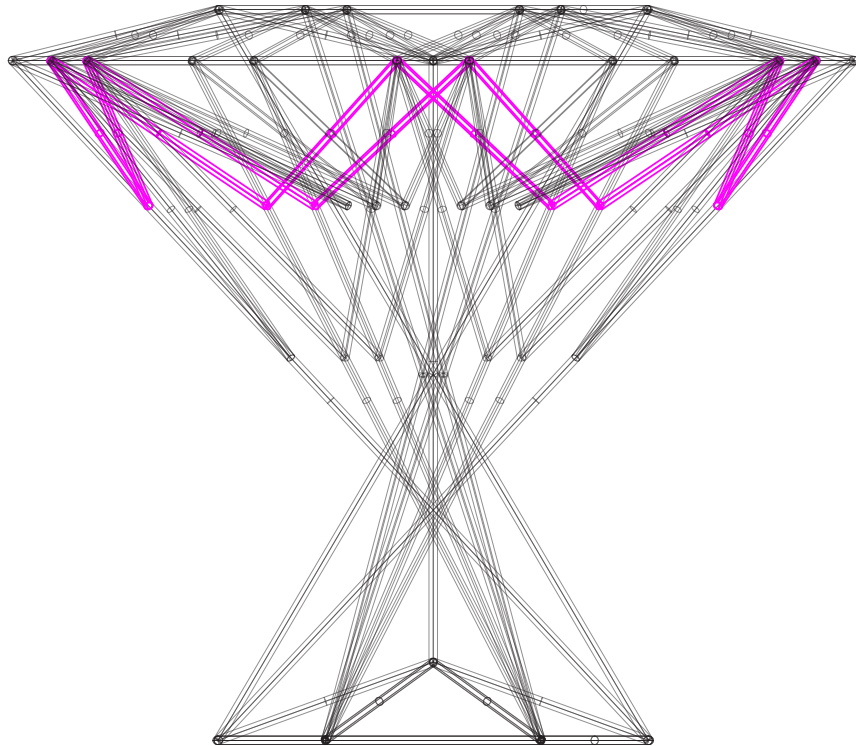
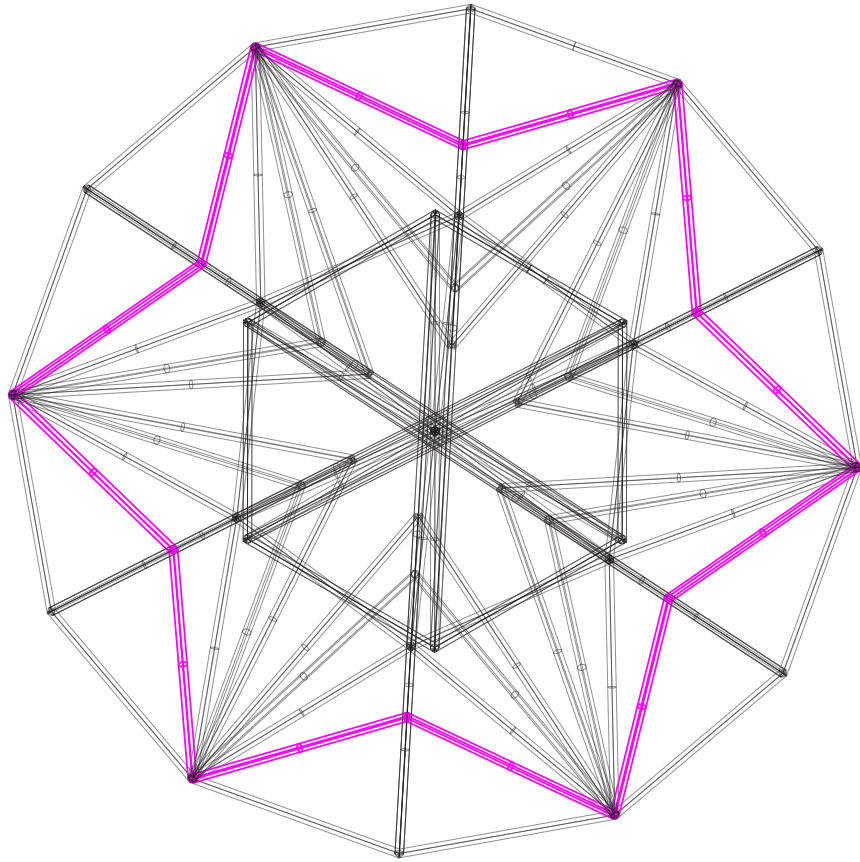
H - 11.68 IN (6)



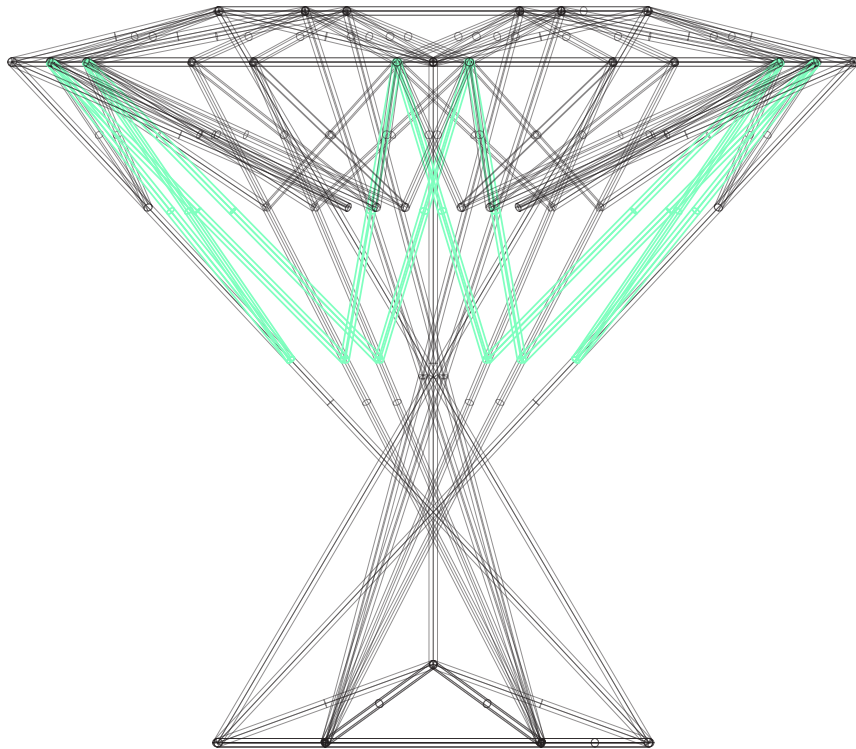
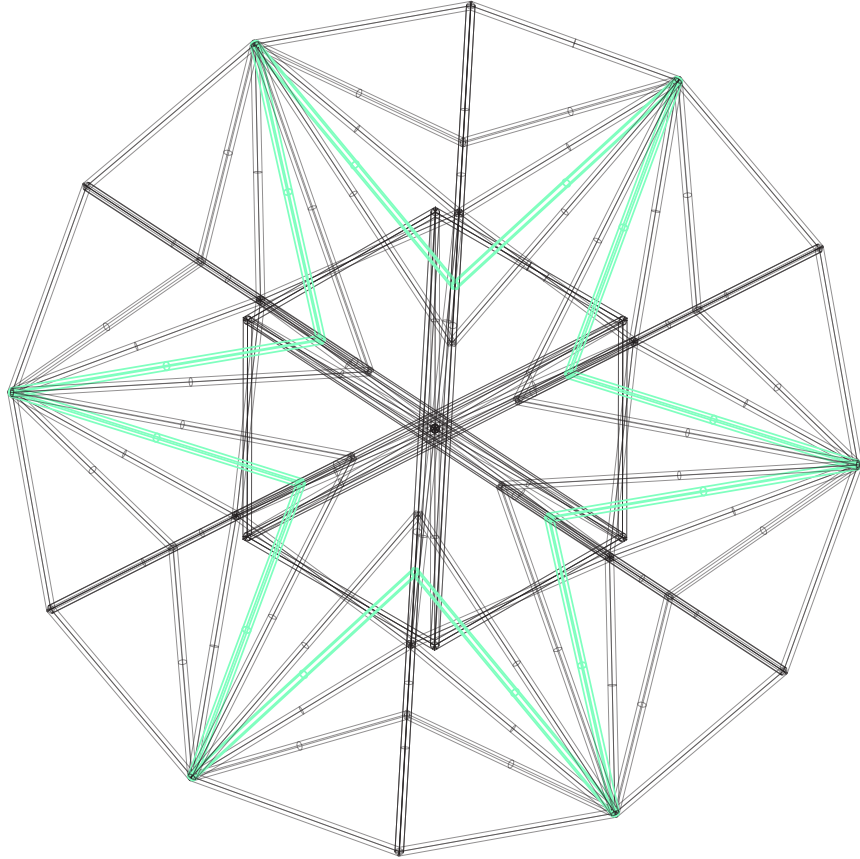
Component Set: H

I - 14.8 IN (12) . 11.54 IN (6)





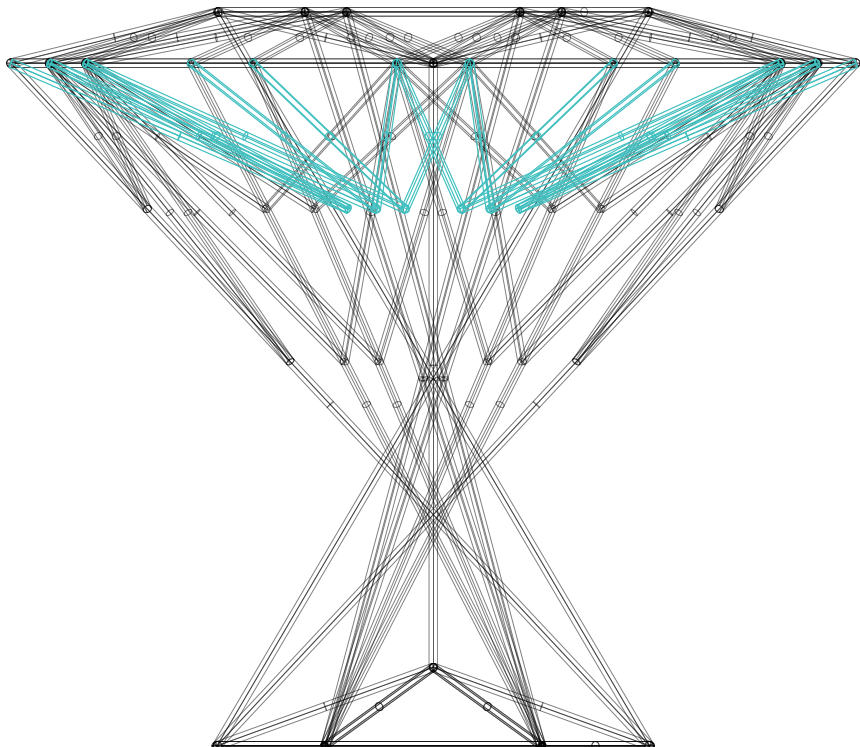
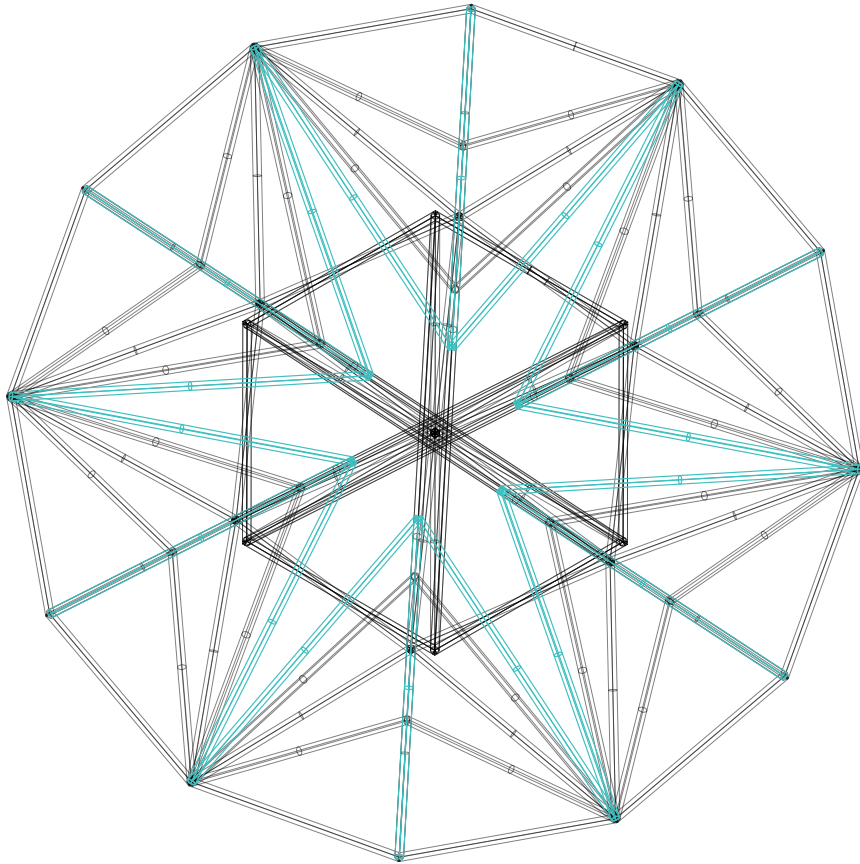
K - 24.35 IN (12)



Component Set: K

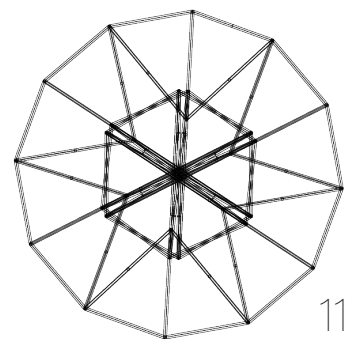
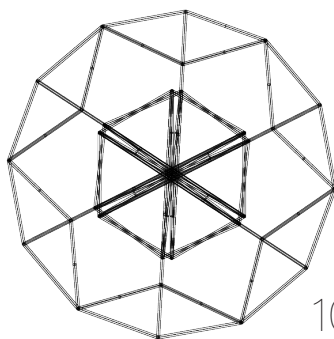
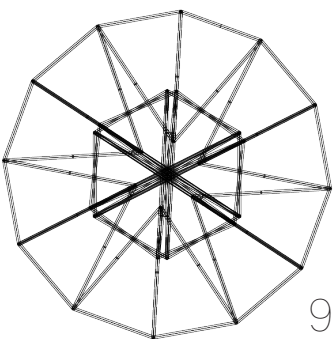
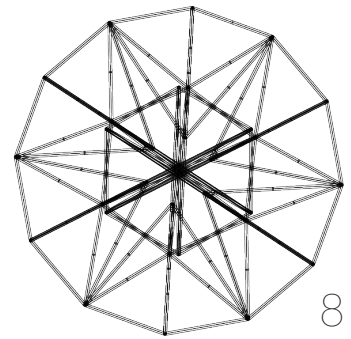
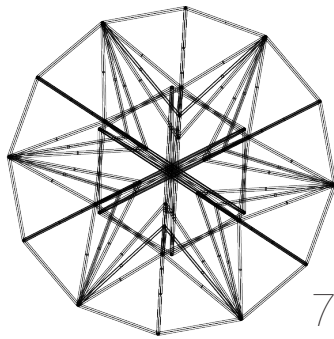
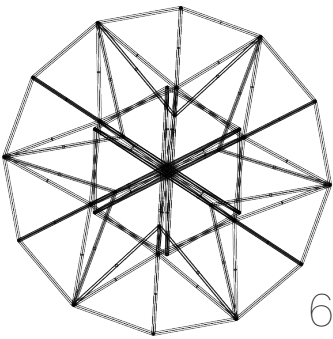
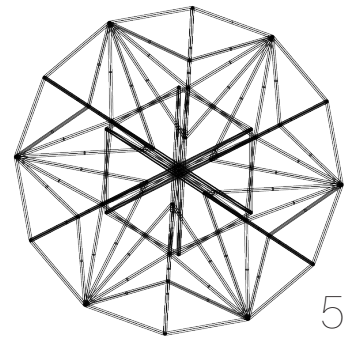
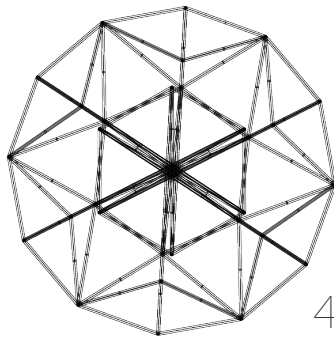
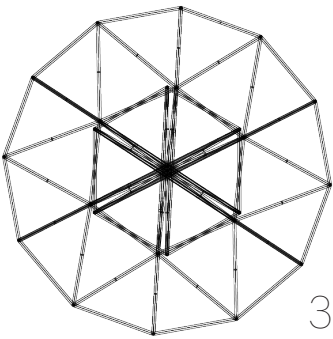
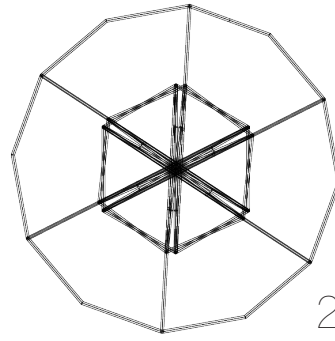
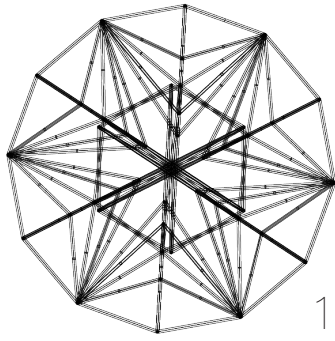
pg. 12

L - 21.6 IN (12) . 21.15 IN (6)

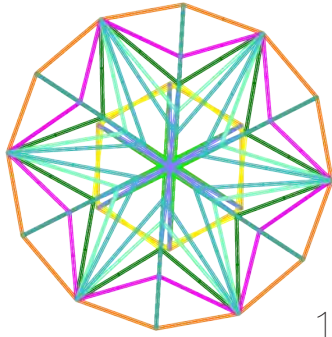


Component Set: L

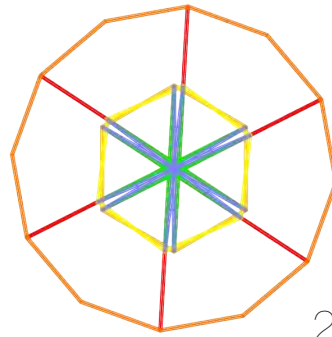
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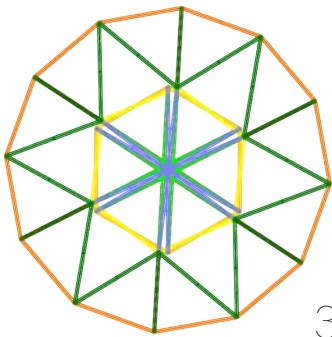
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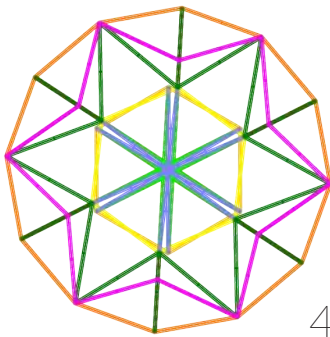
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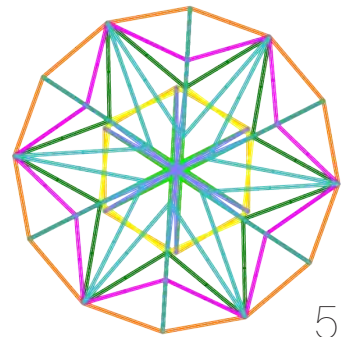
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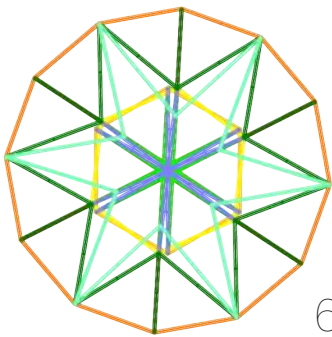
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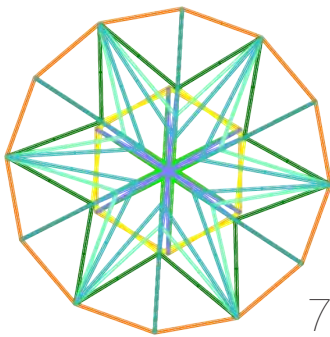
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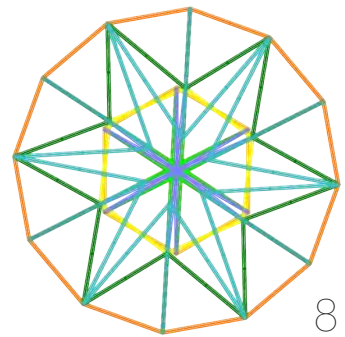
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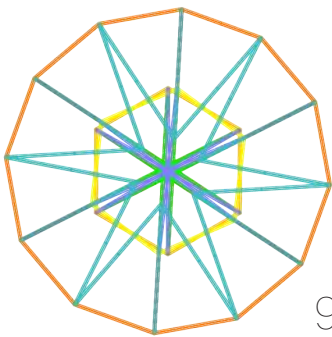
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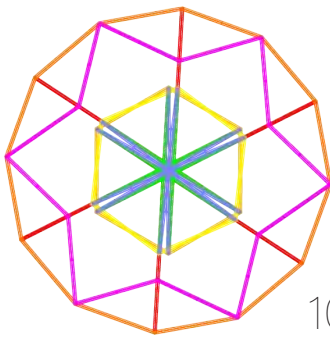
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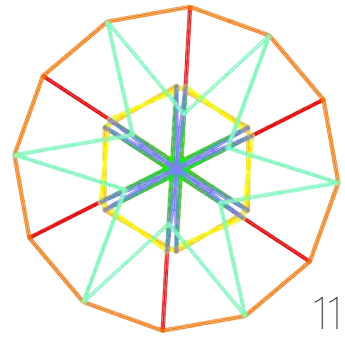
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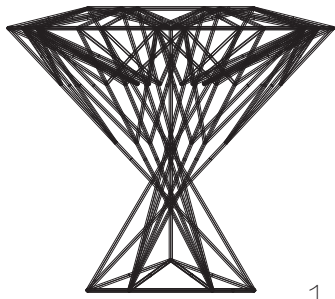


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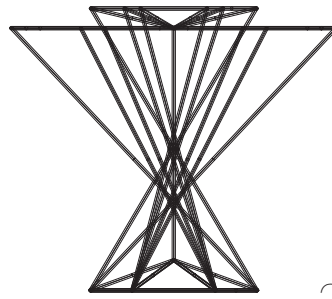


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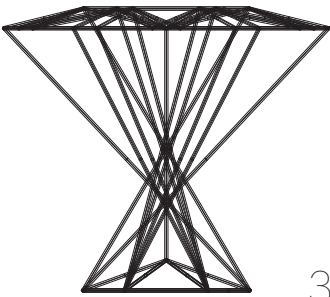
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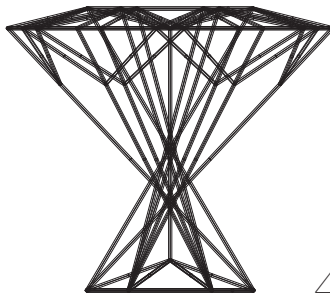
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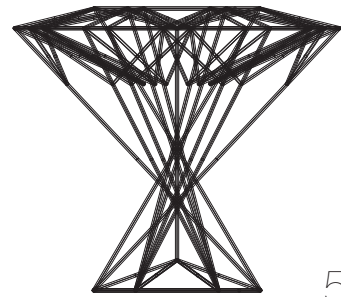
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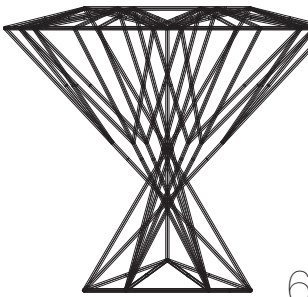
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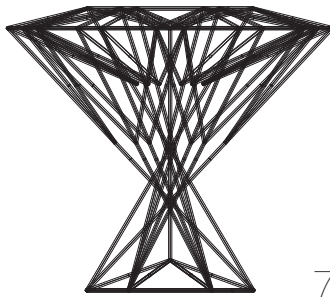
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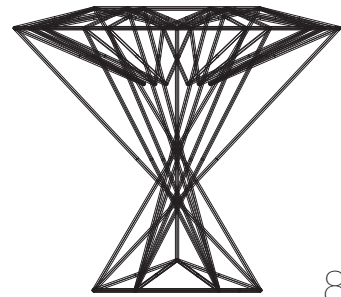
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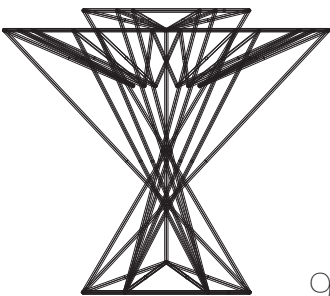
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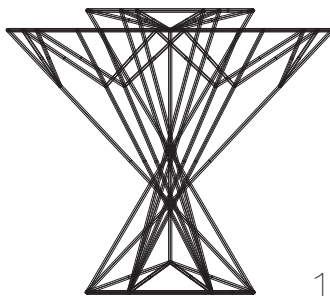
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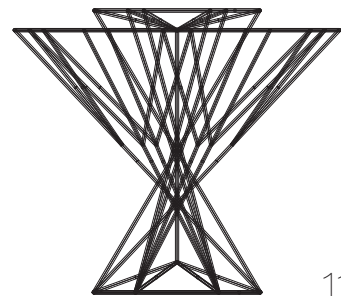
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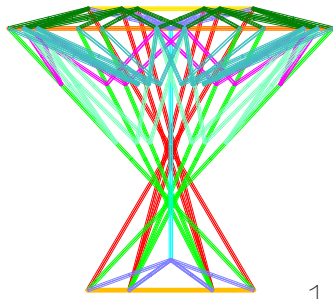
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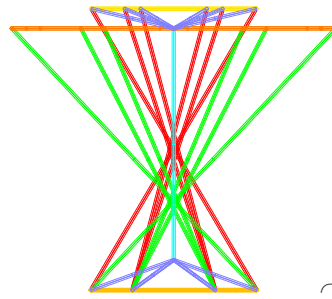
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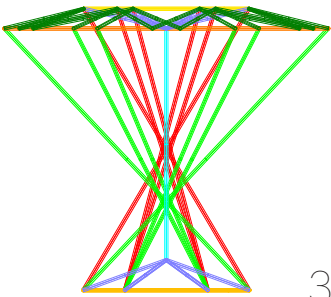
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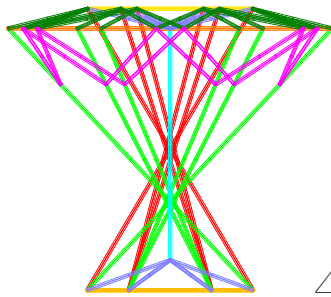
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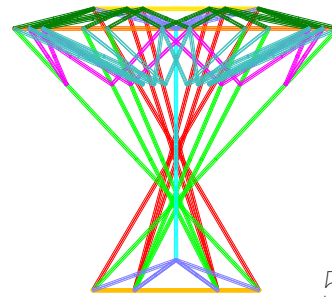
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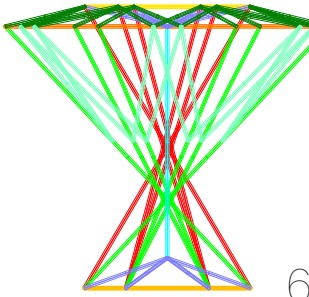
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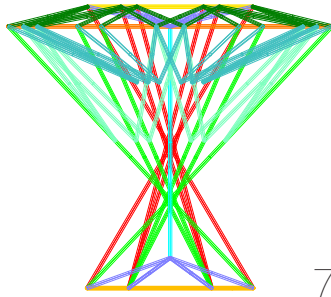
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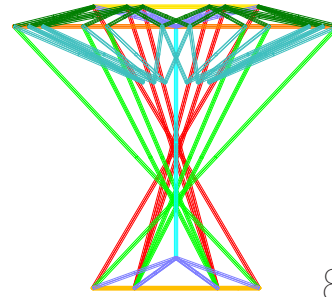
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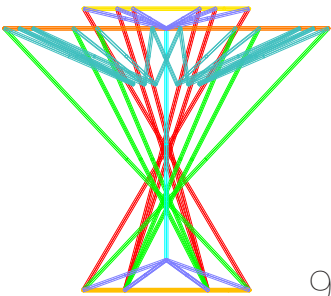
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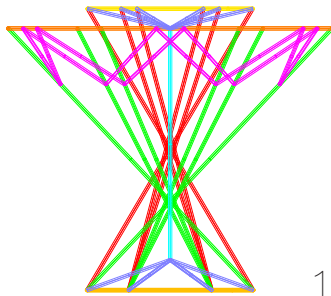
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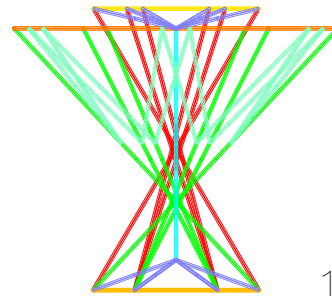
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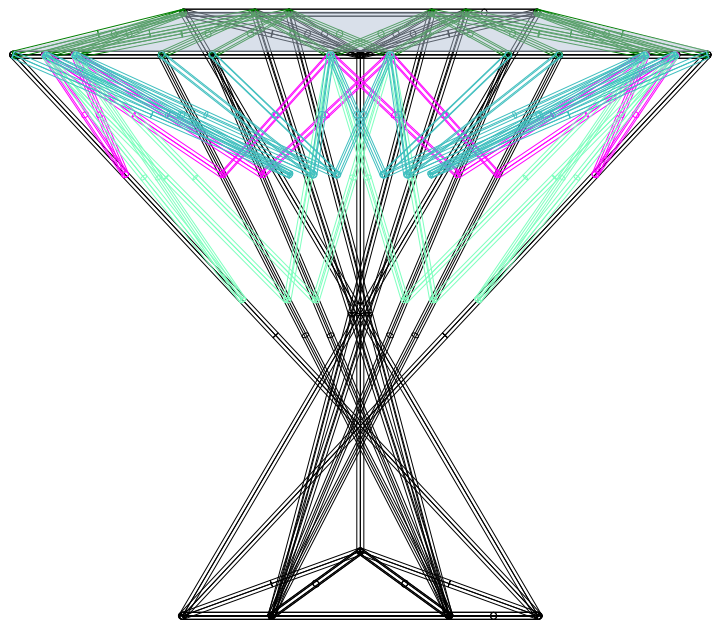
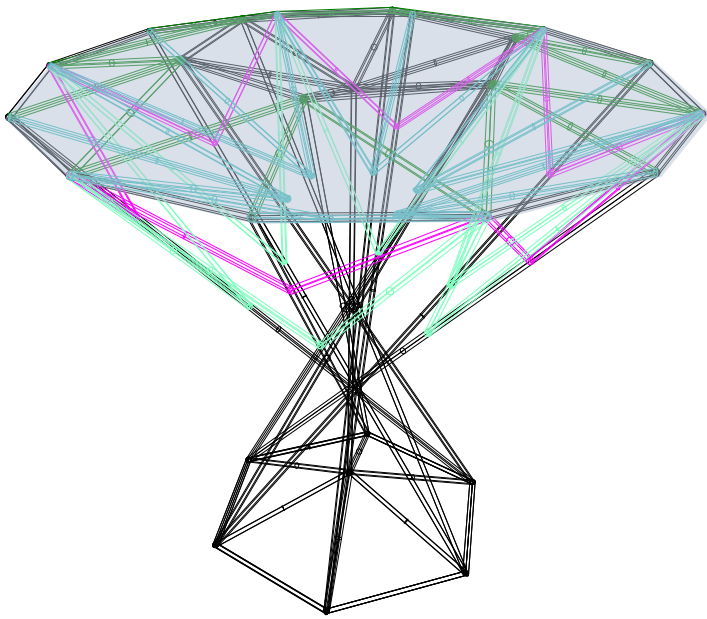
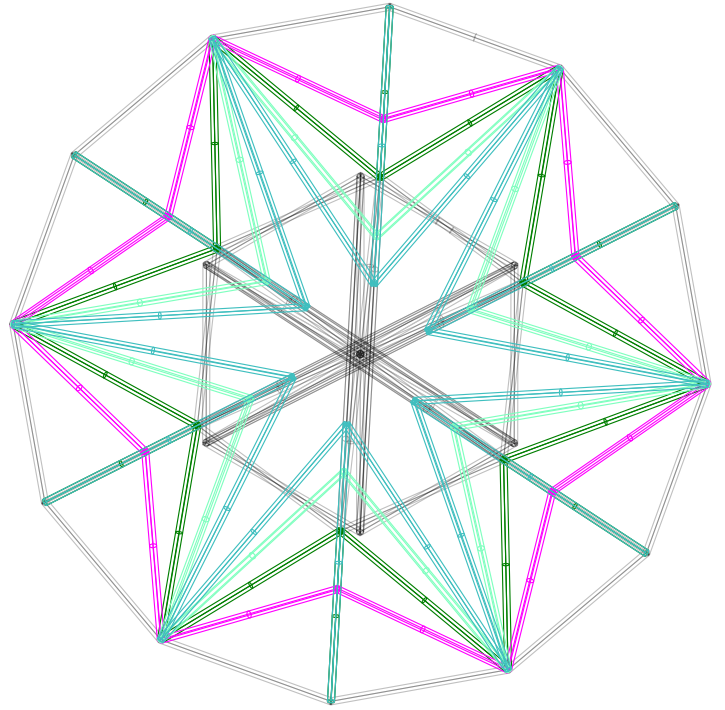
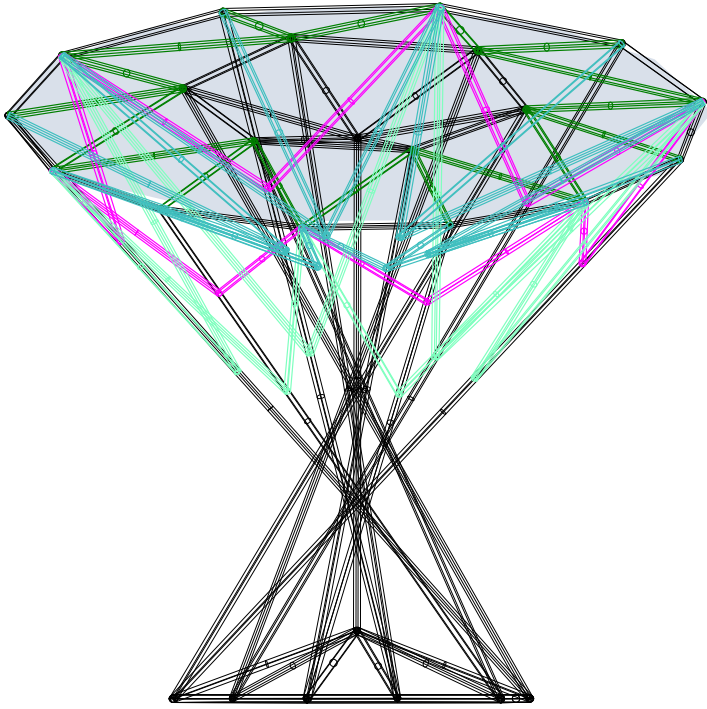
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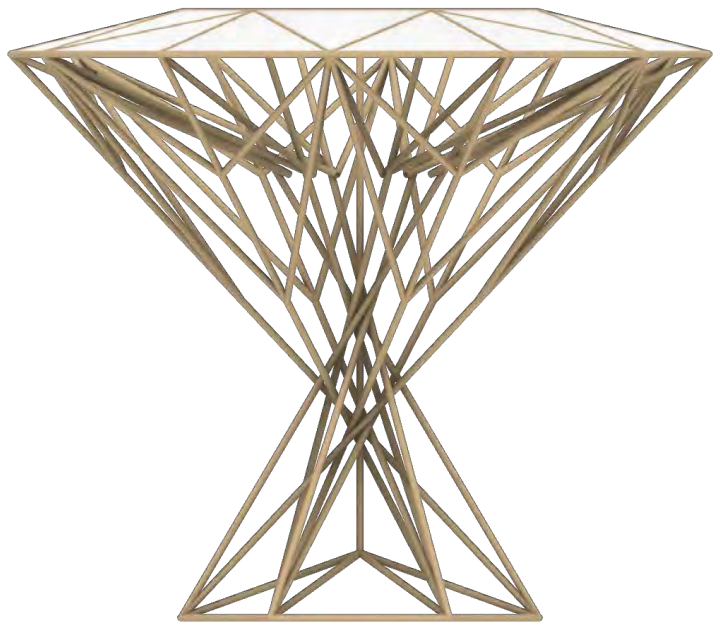
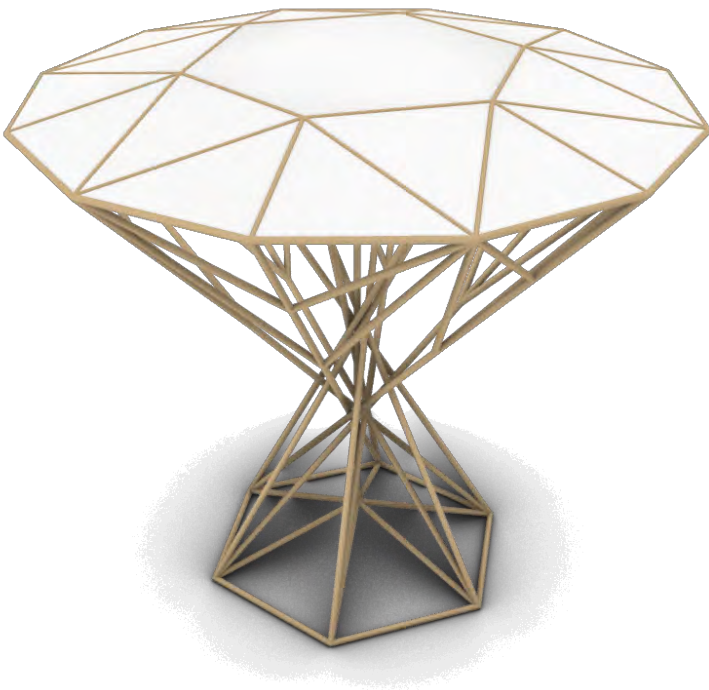
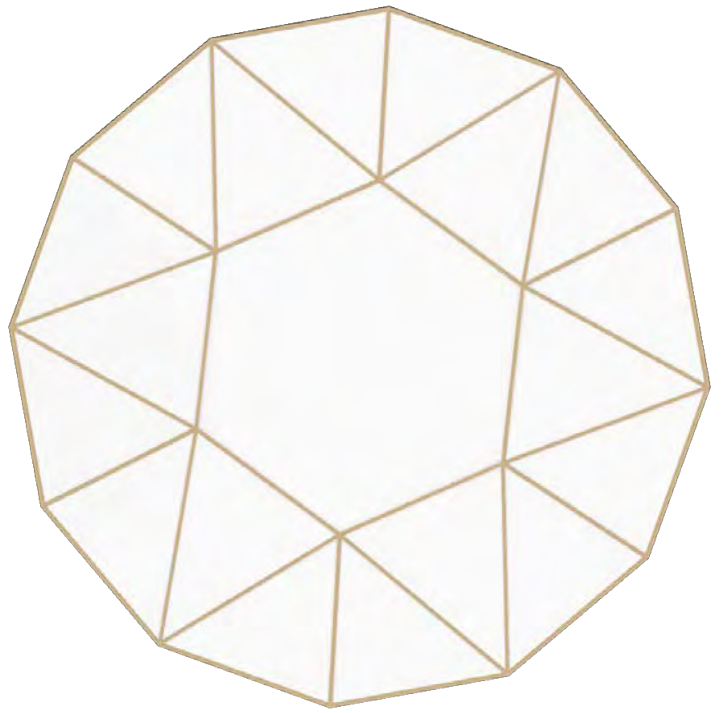
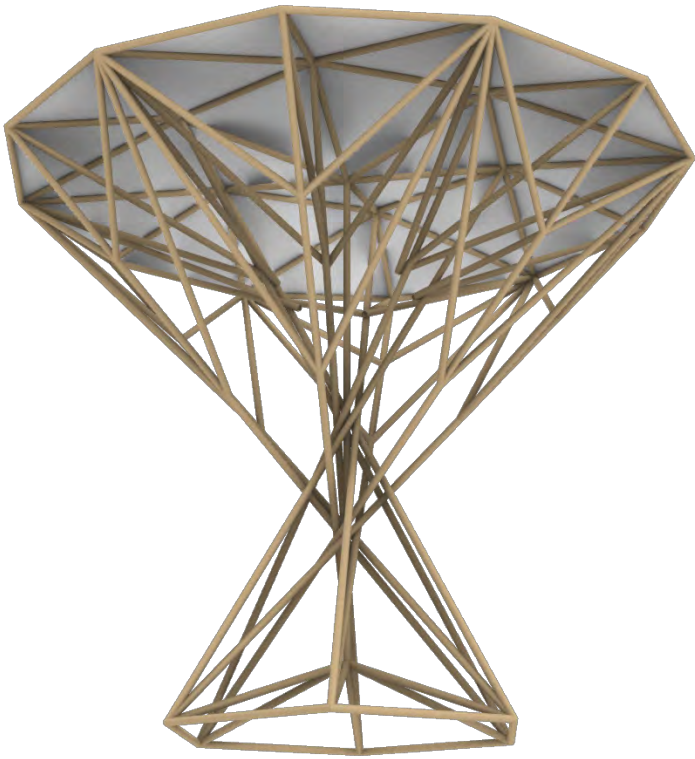


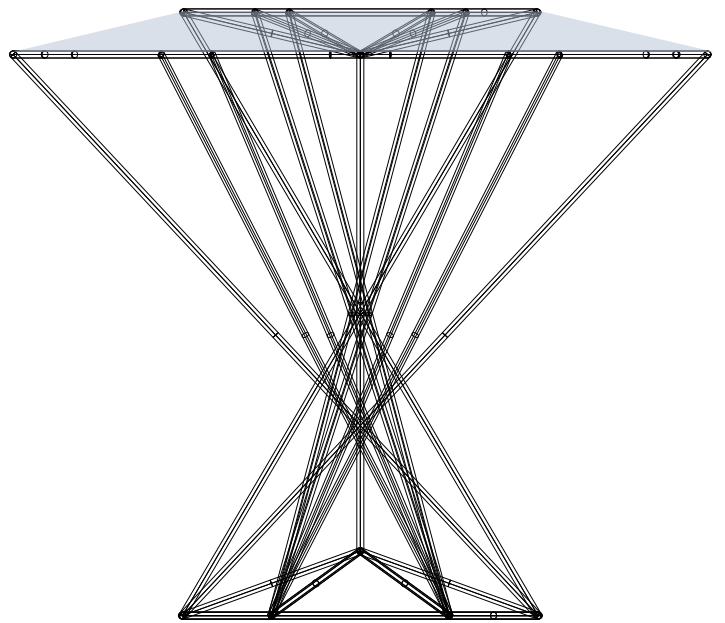
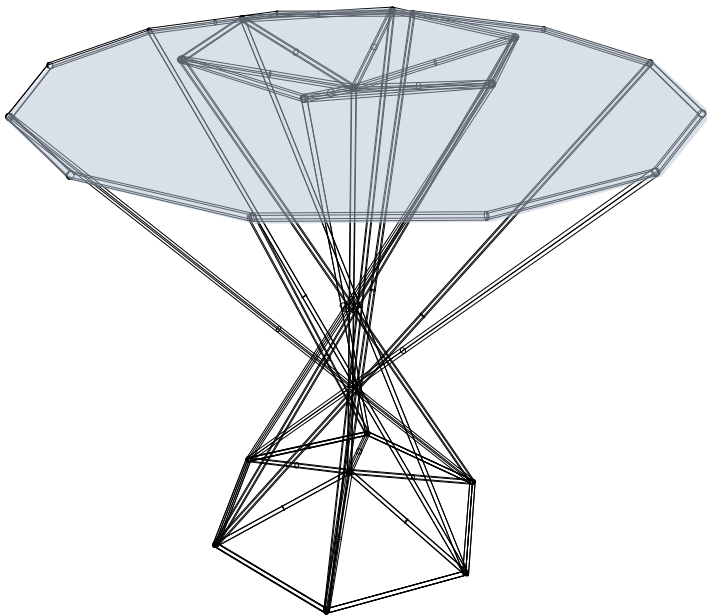
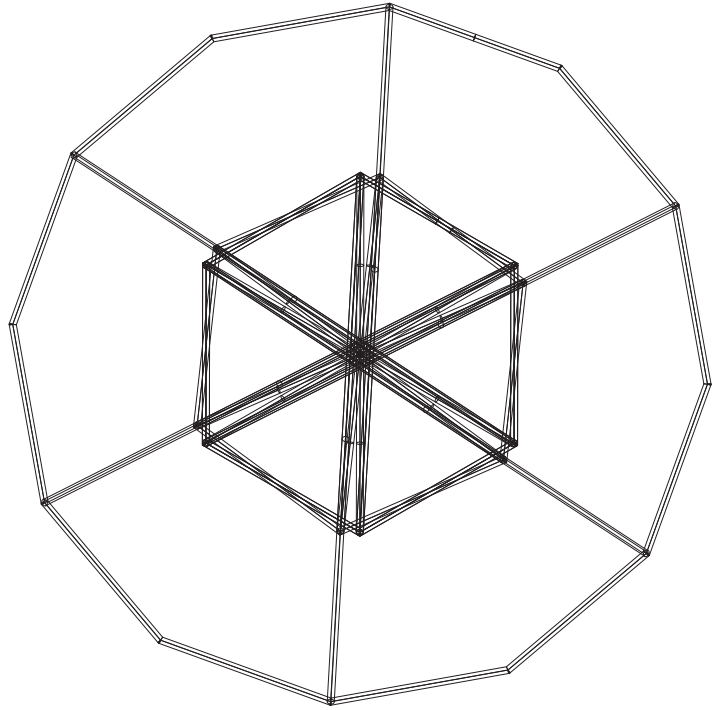
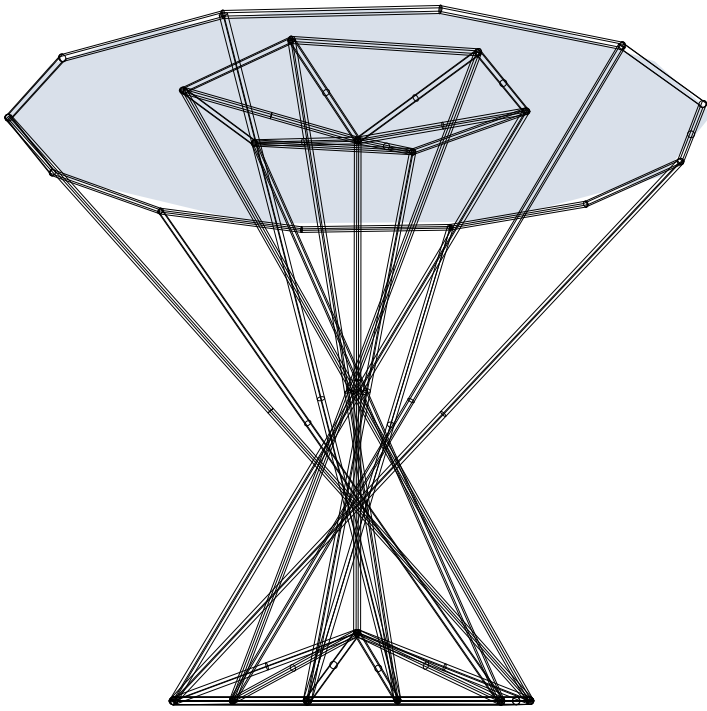
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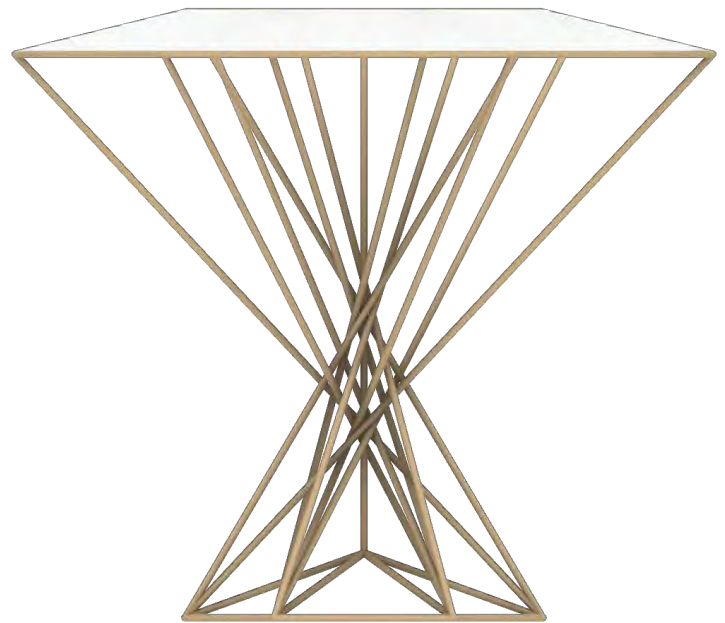
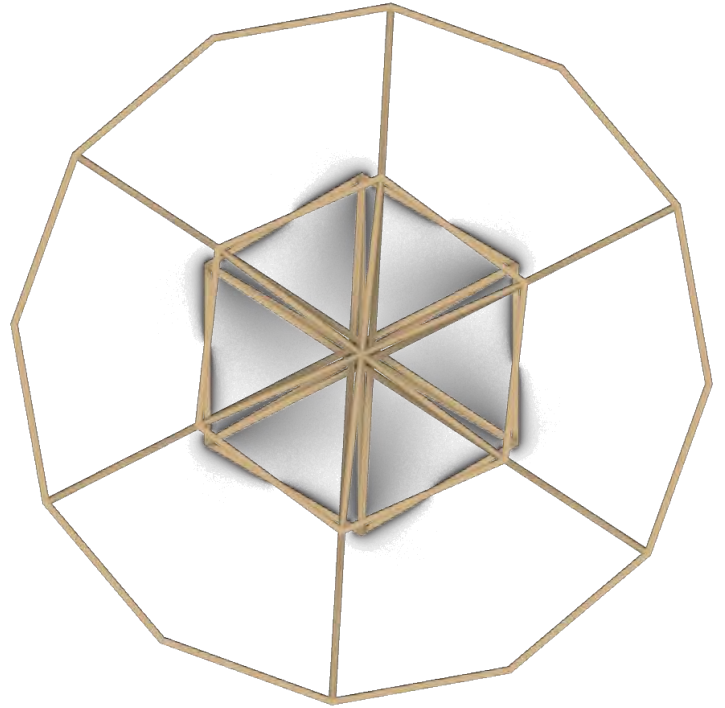


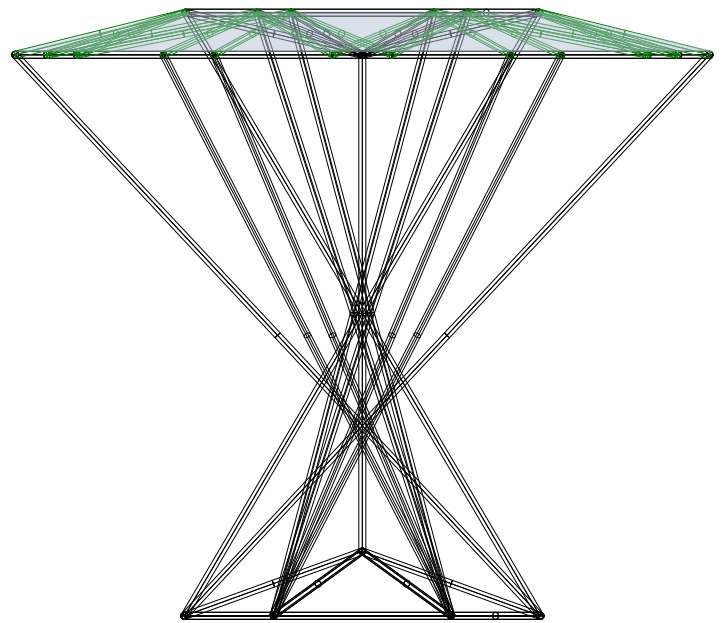
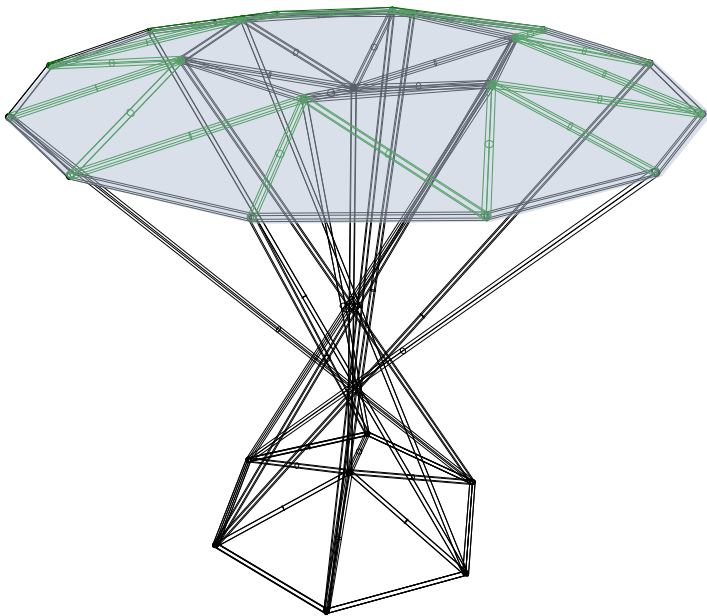
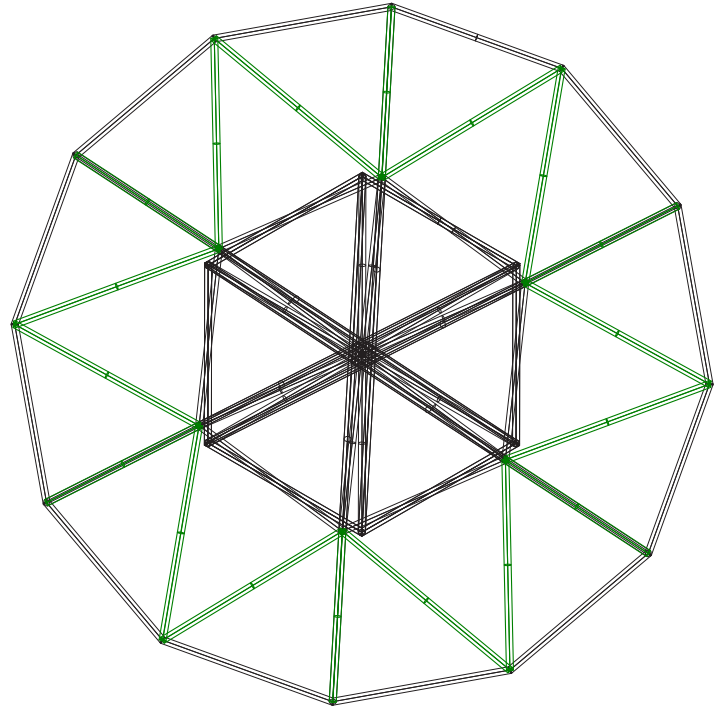
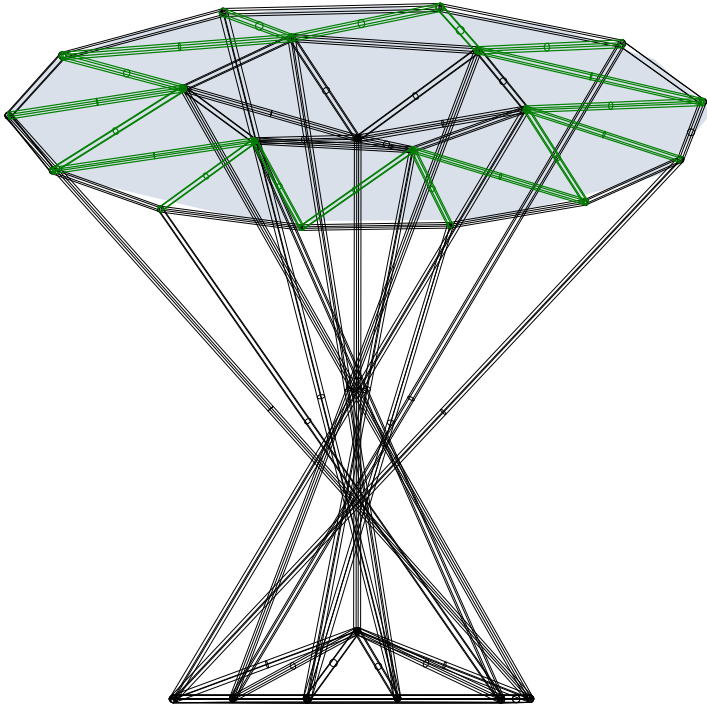
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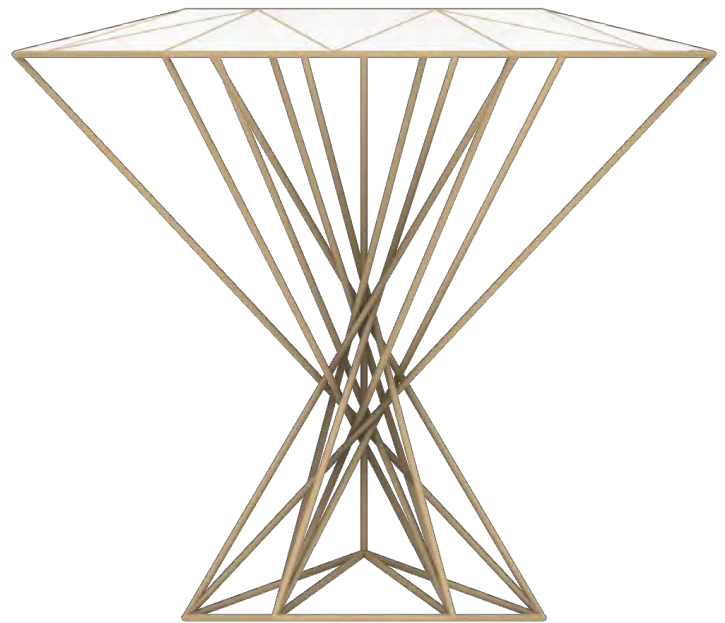
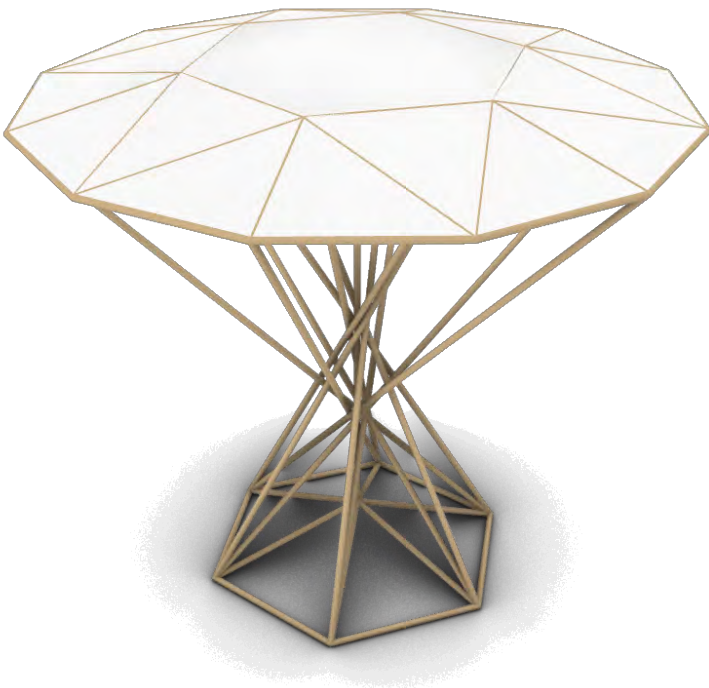
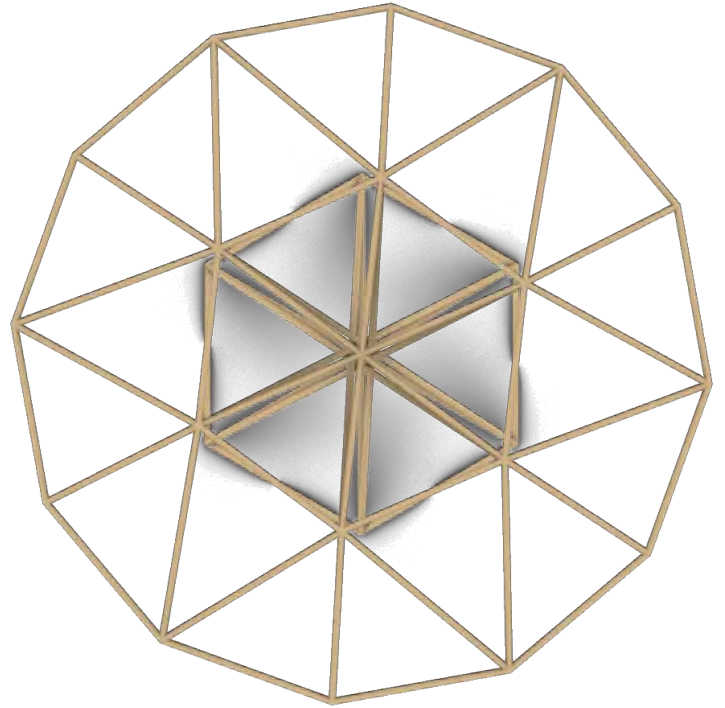
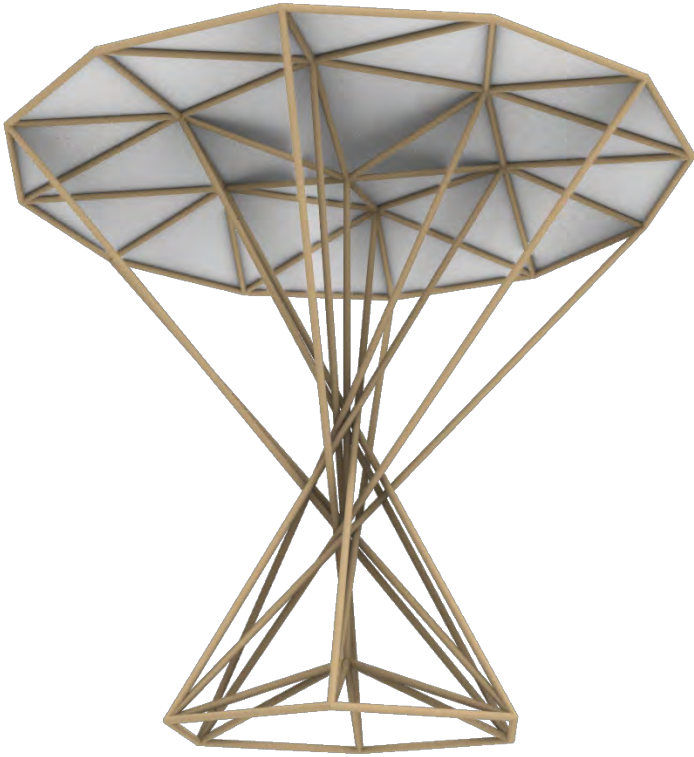


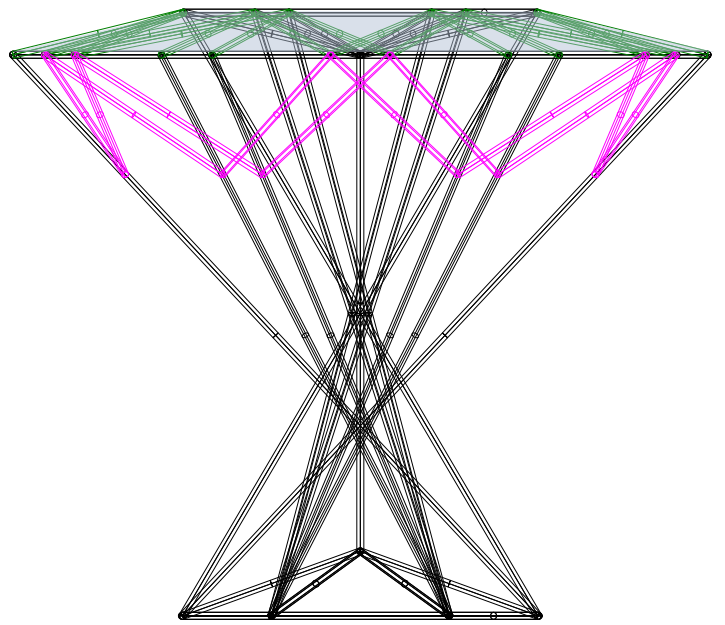
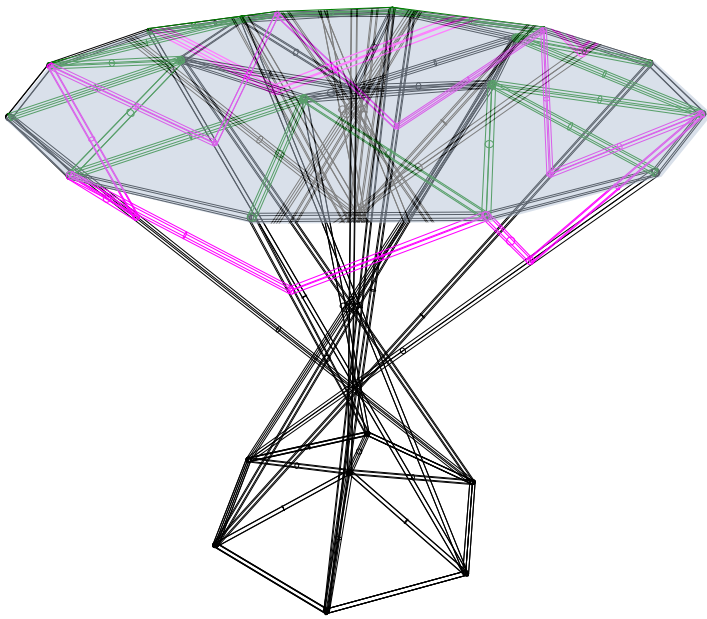
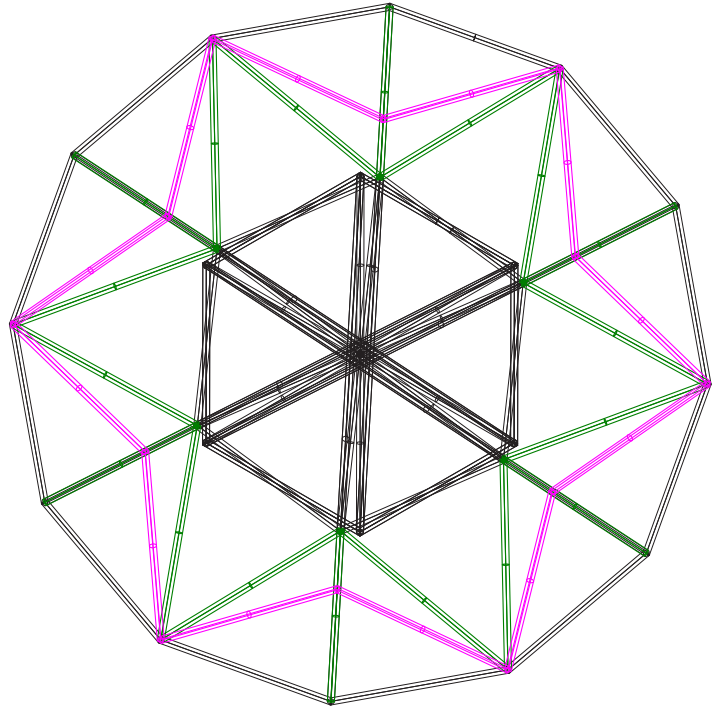
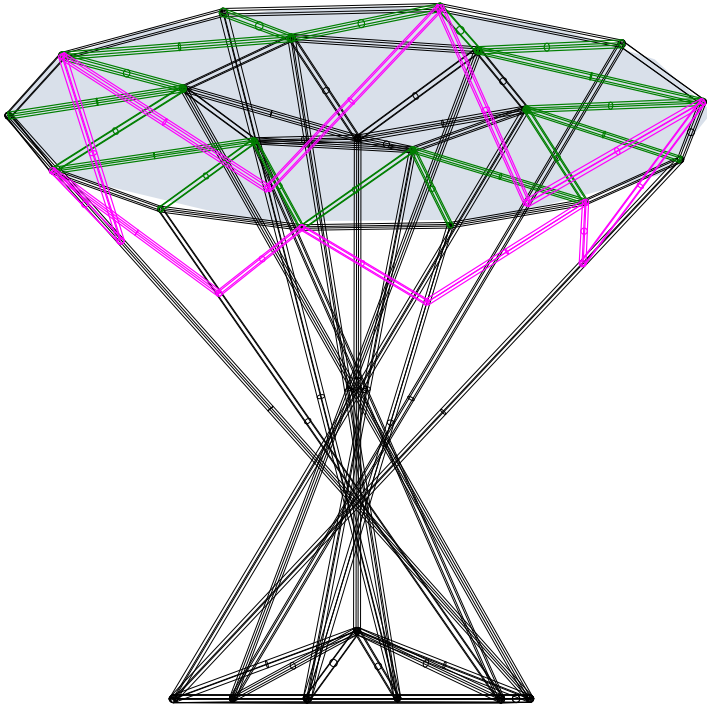




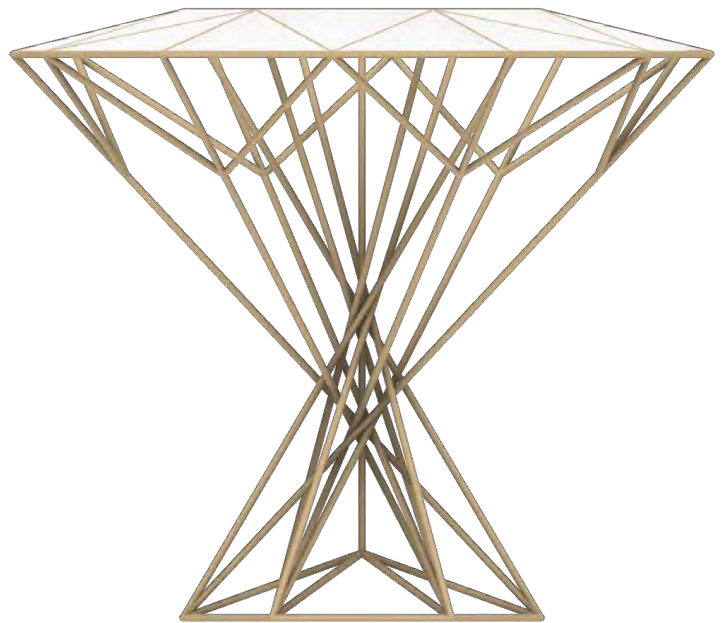
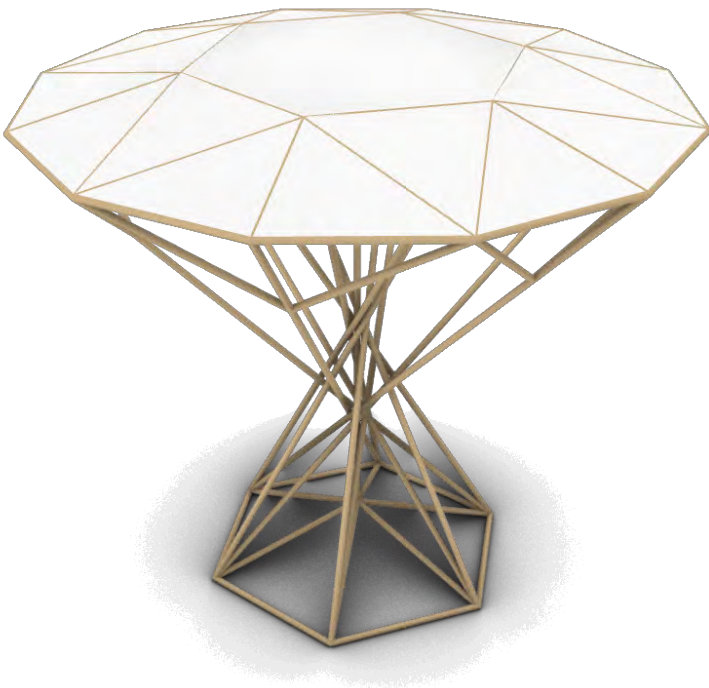
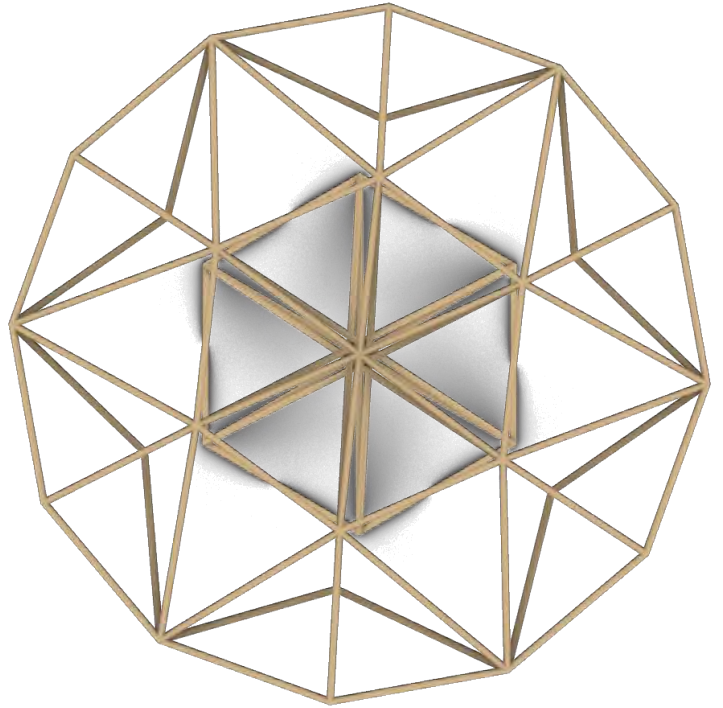
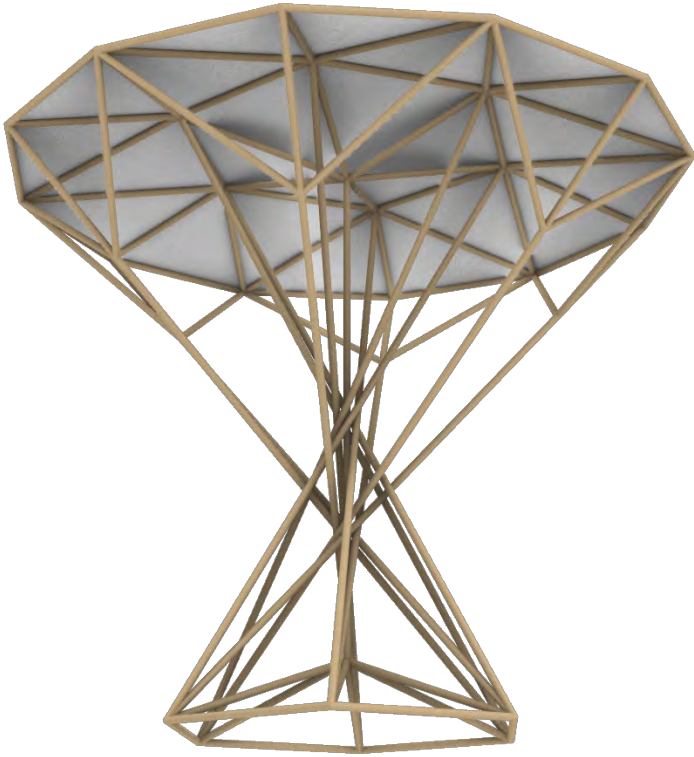


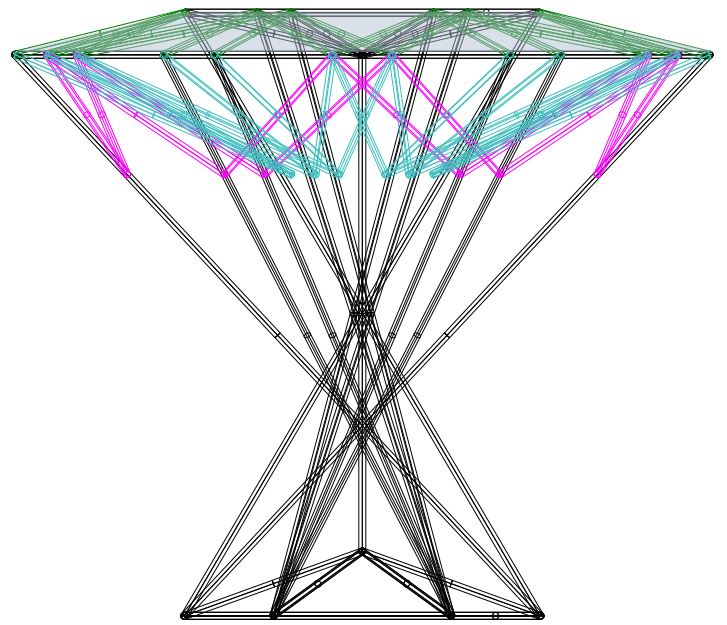
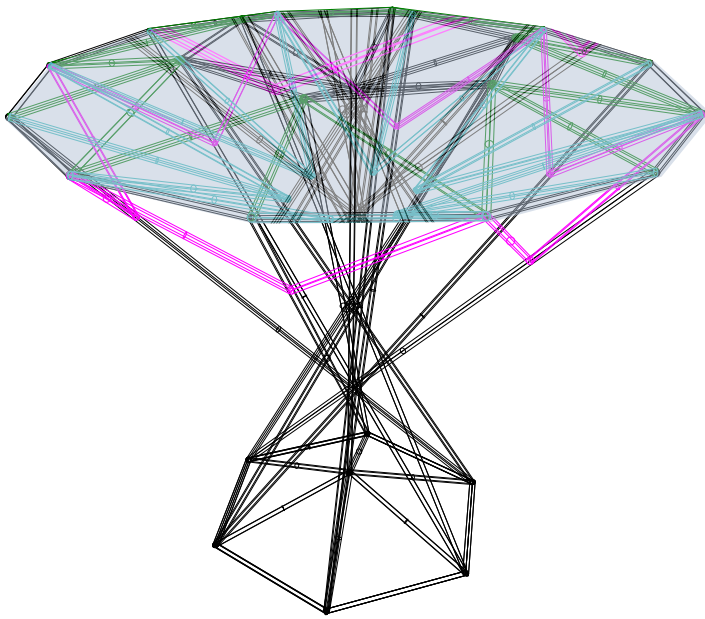
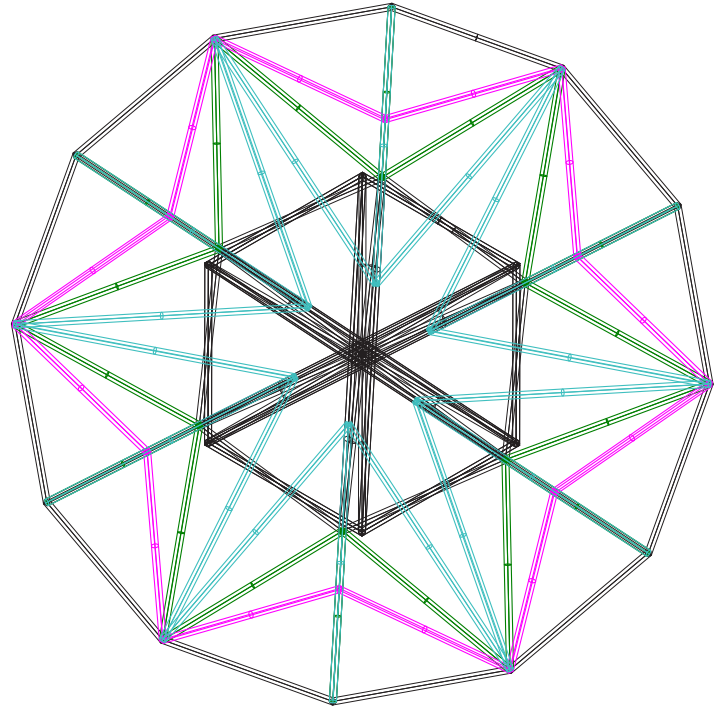
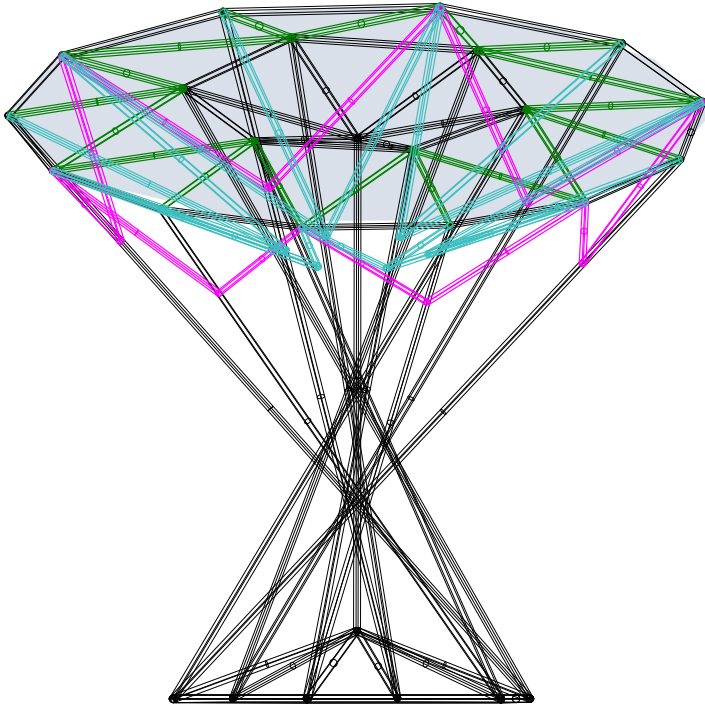


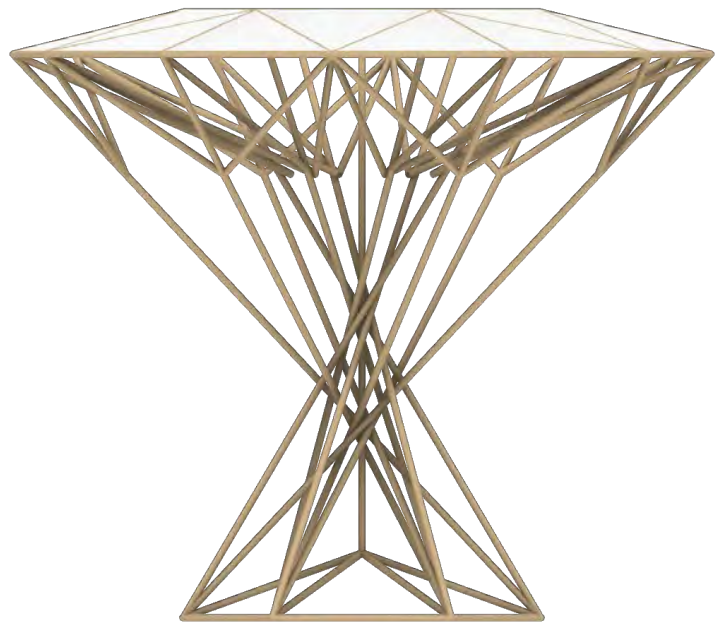
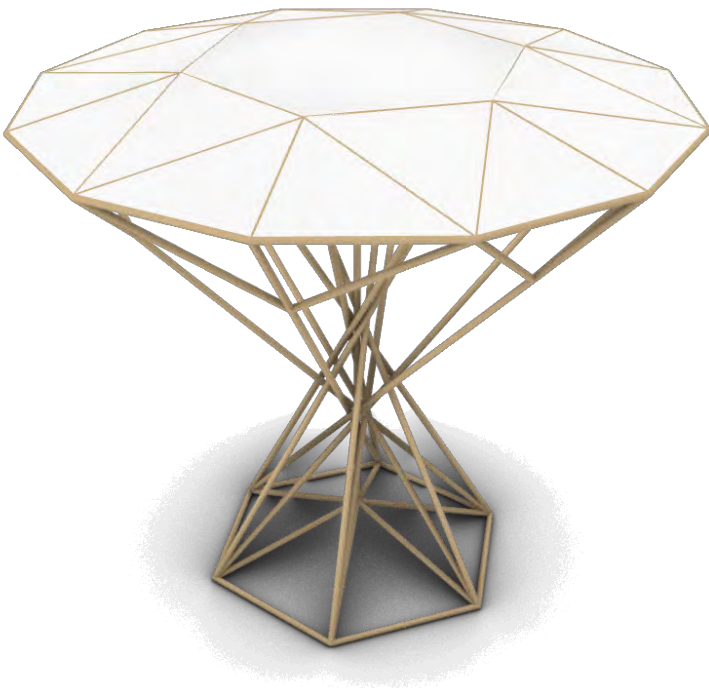
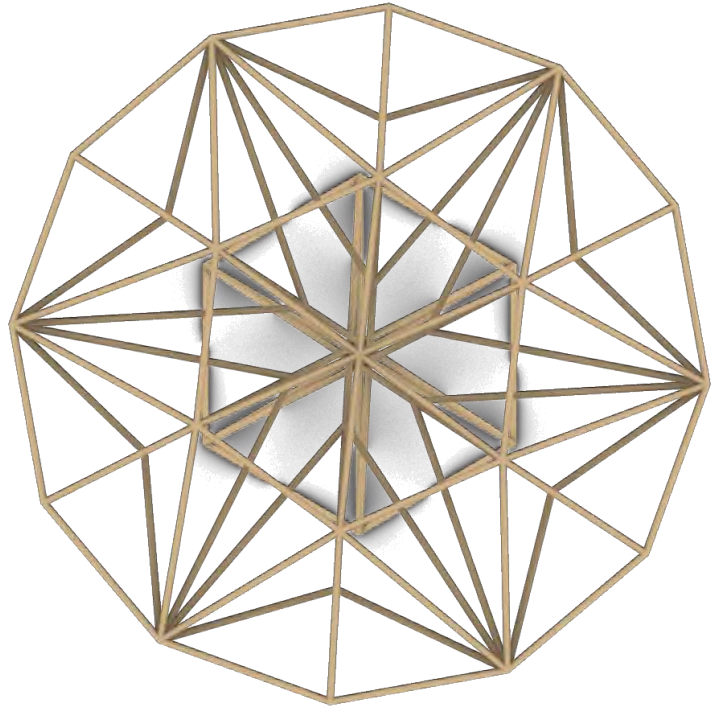
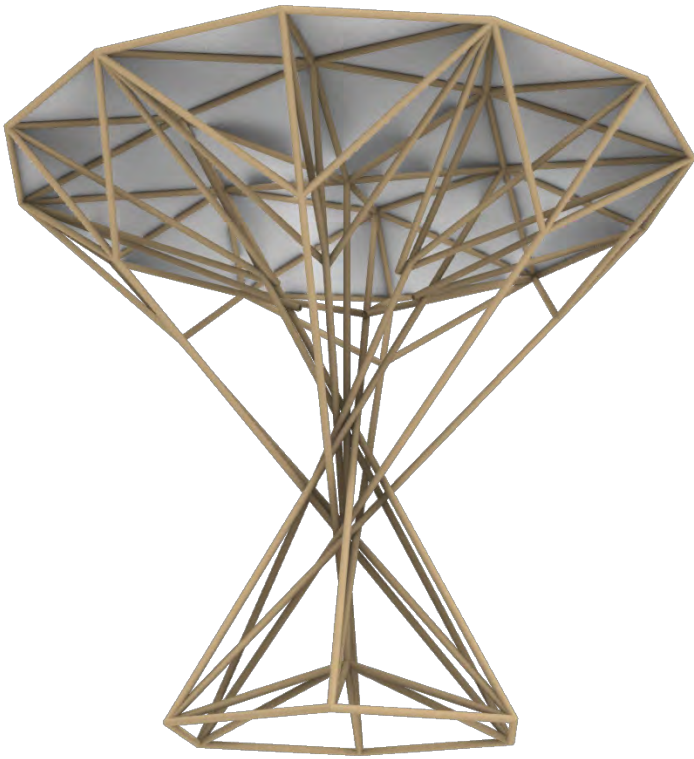


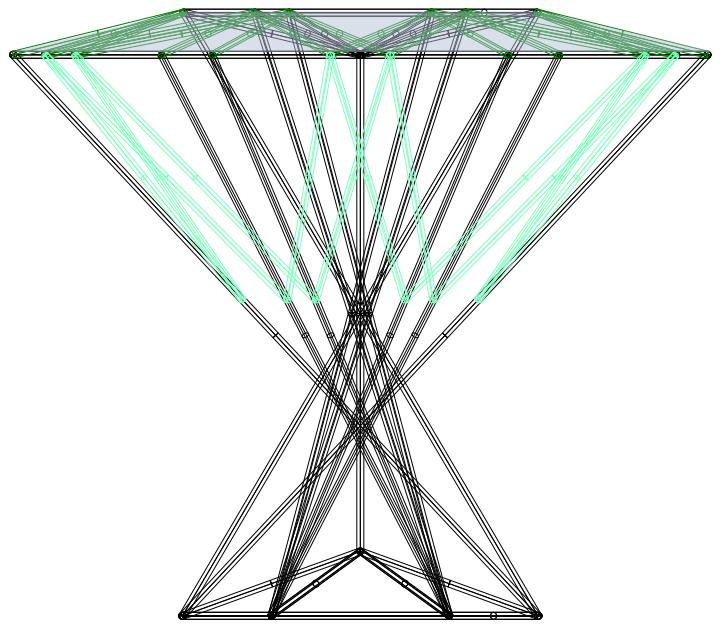
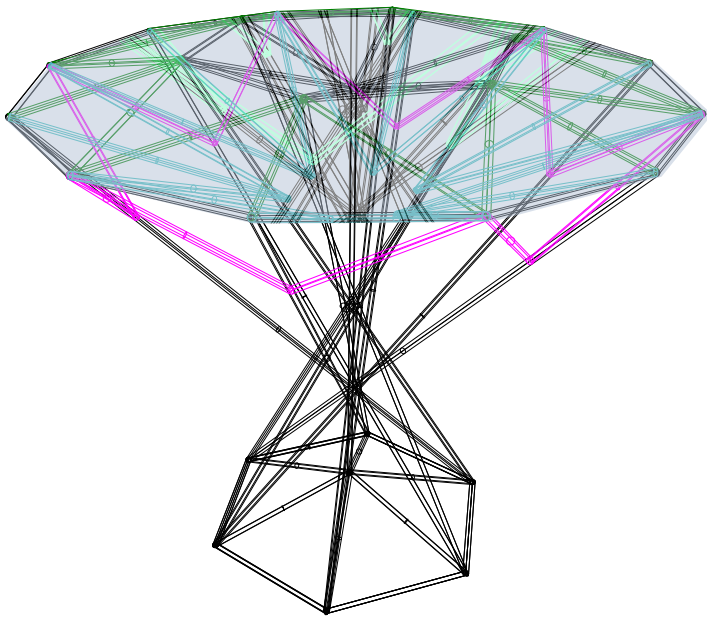
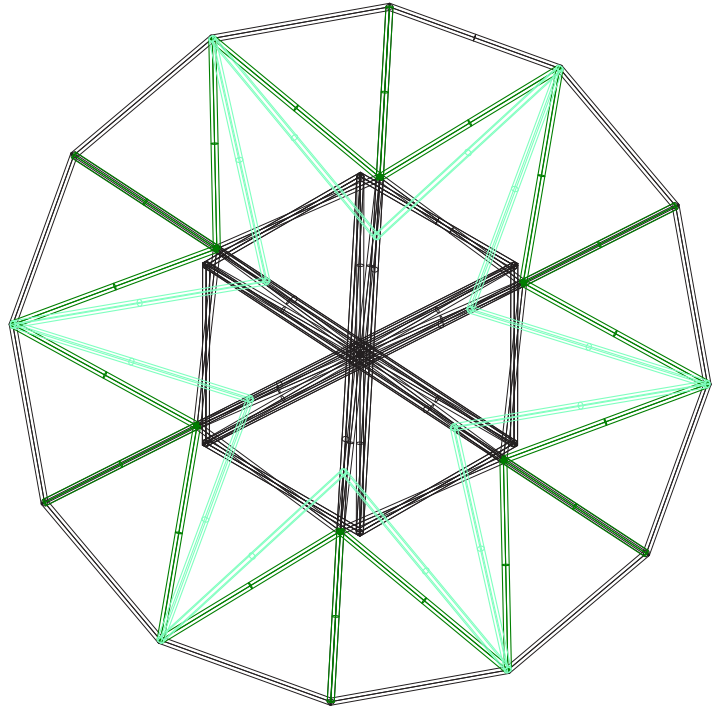
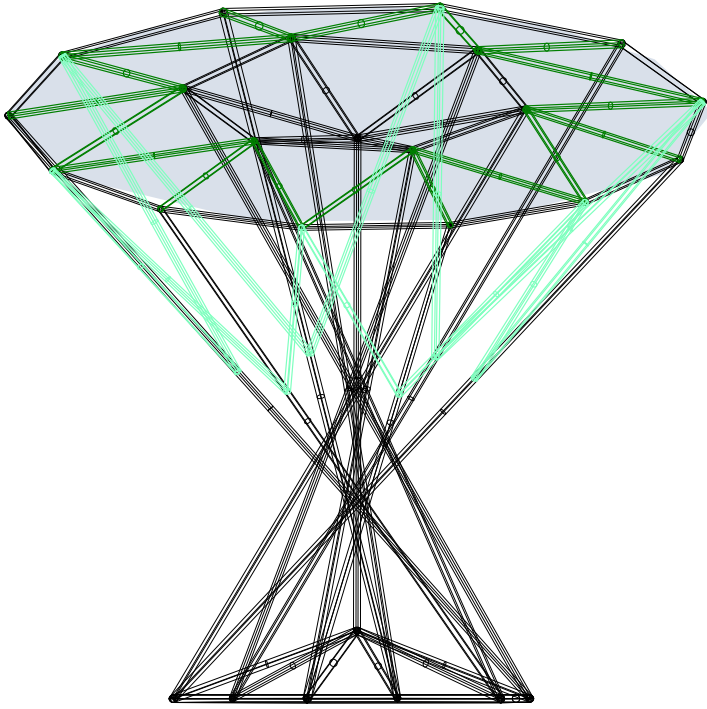


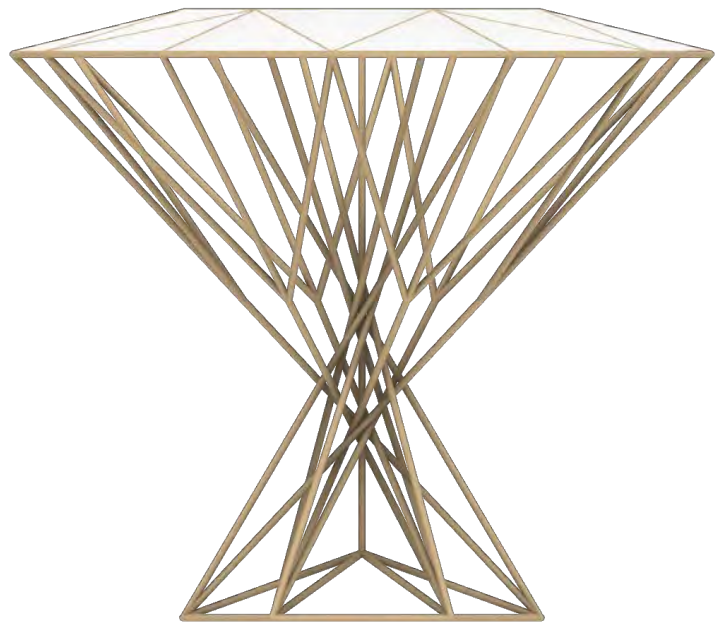
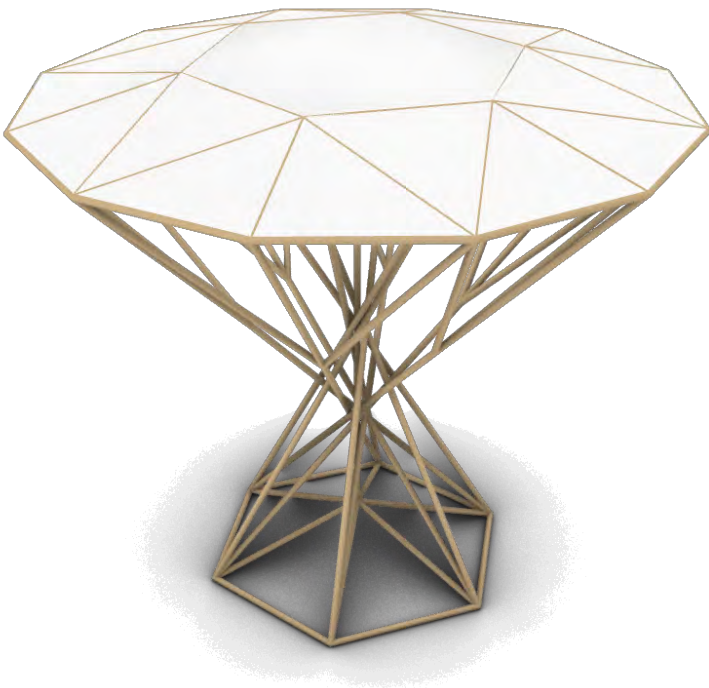
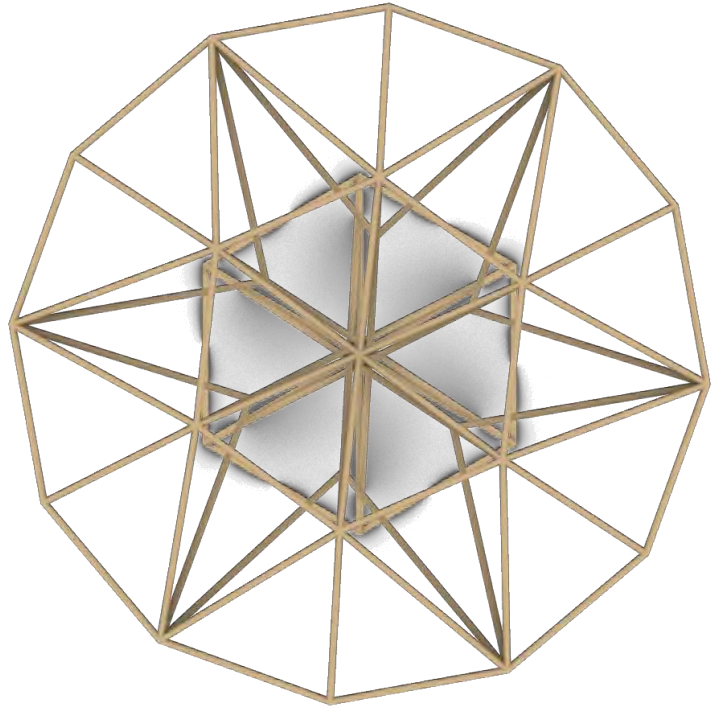
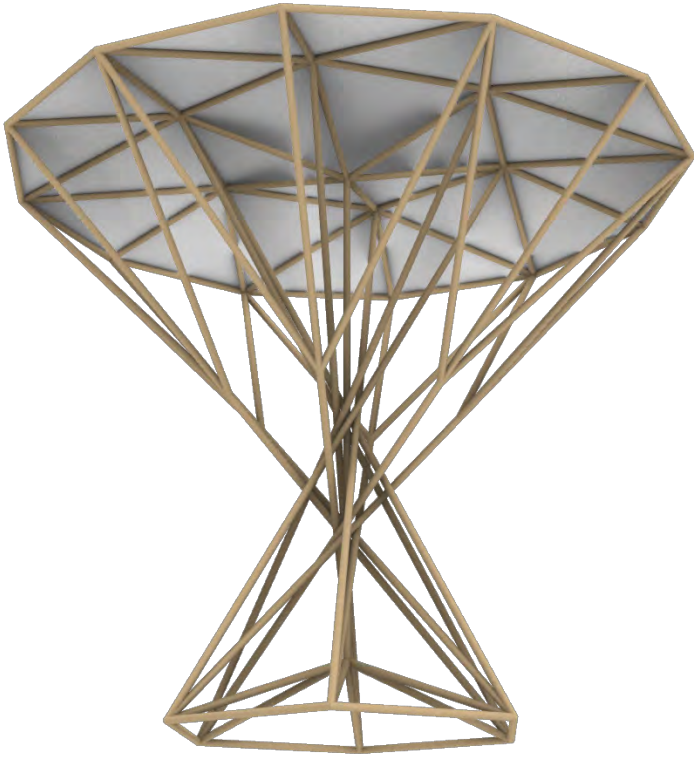


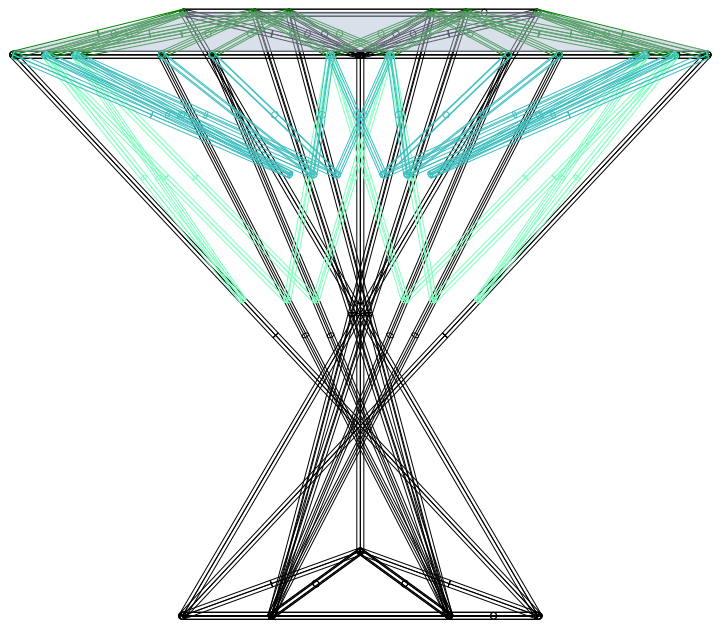
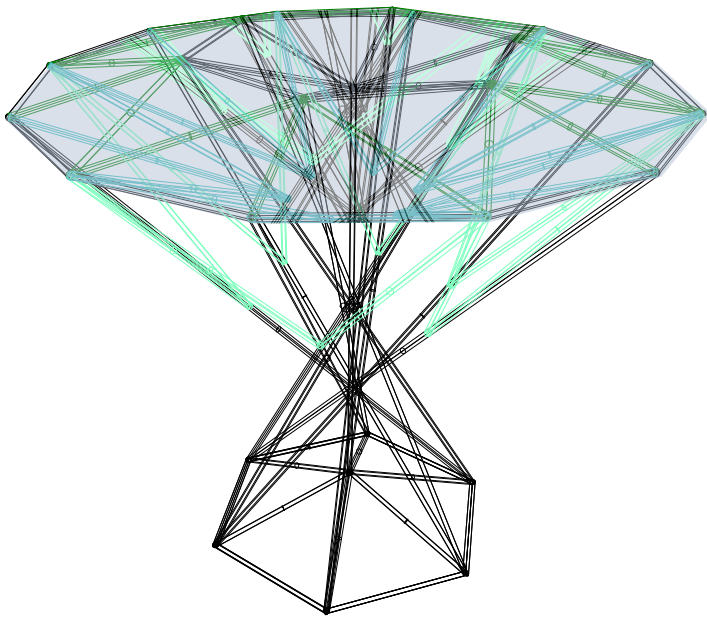
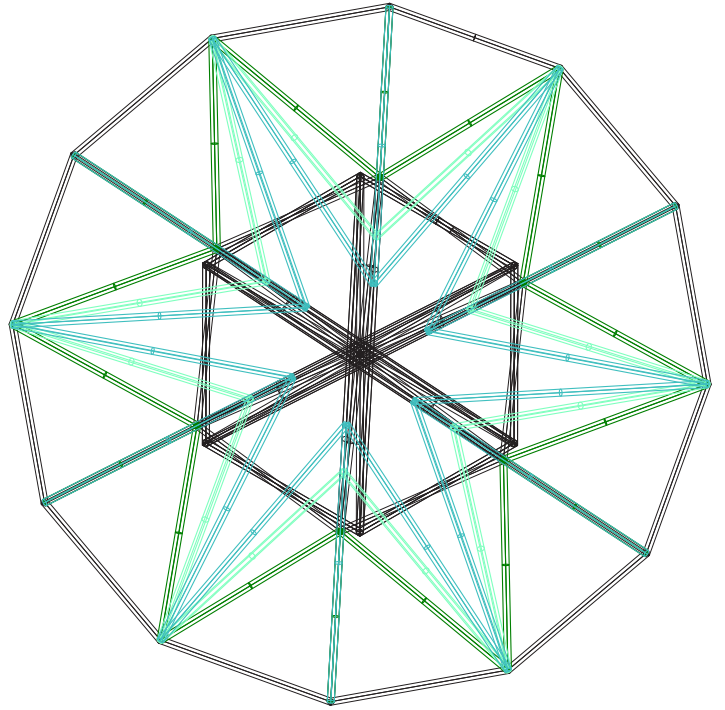
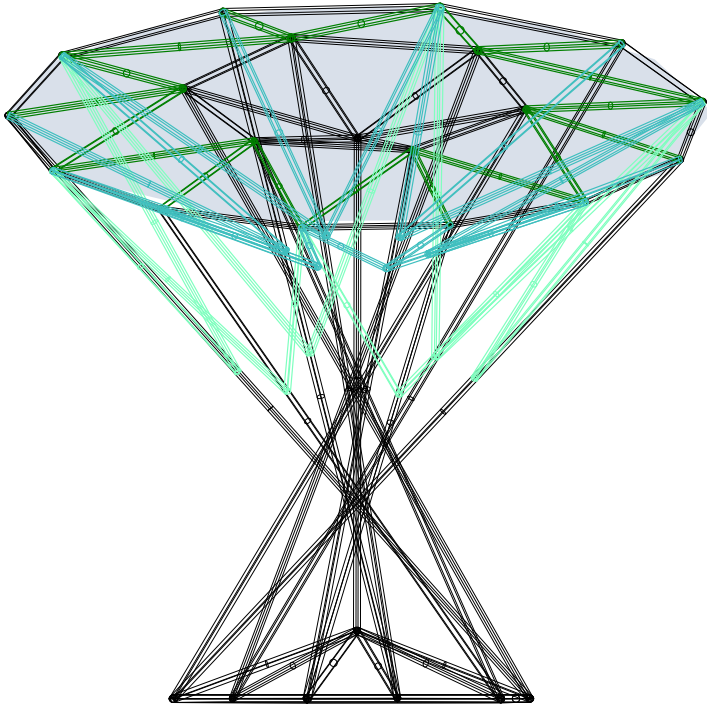


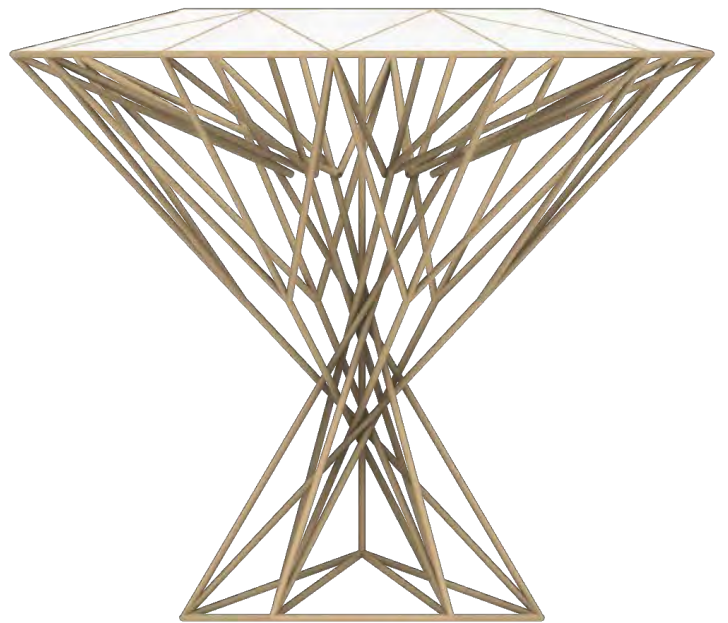
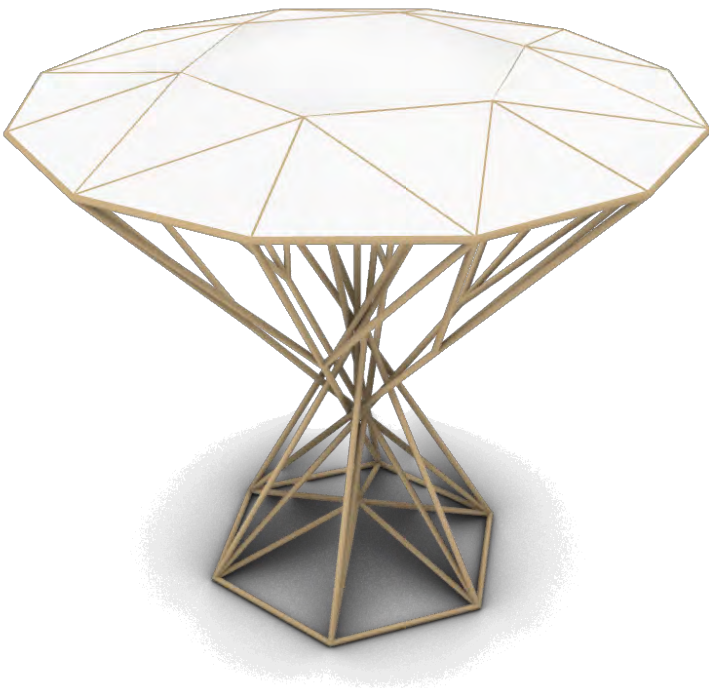
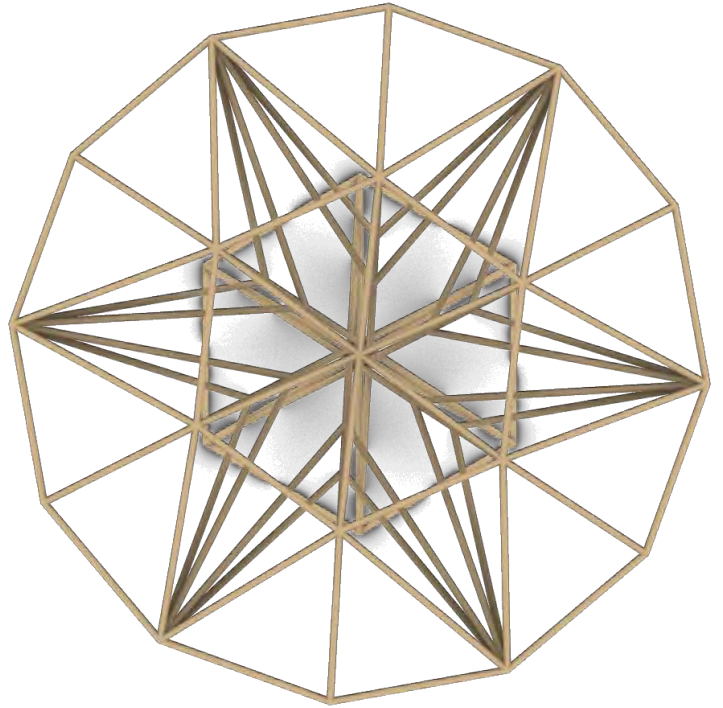
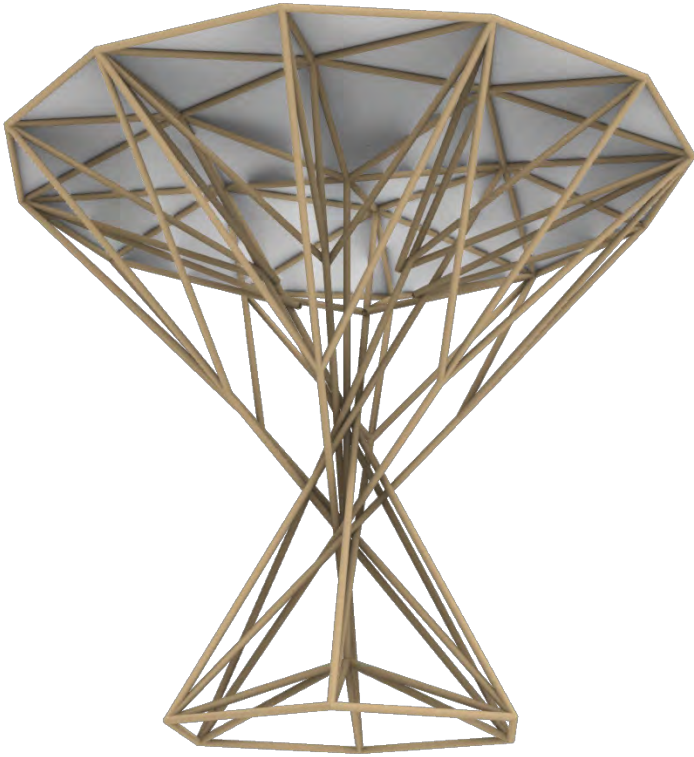


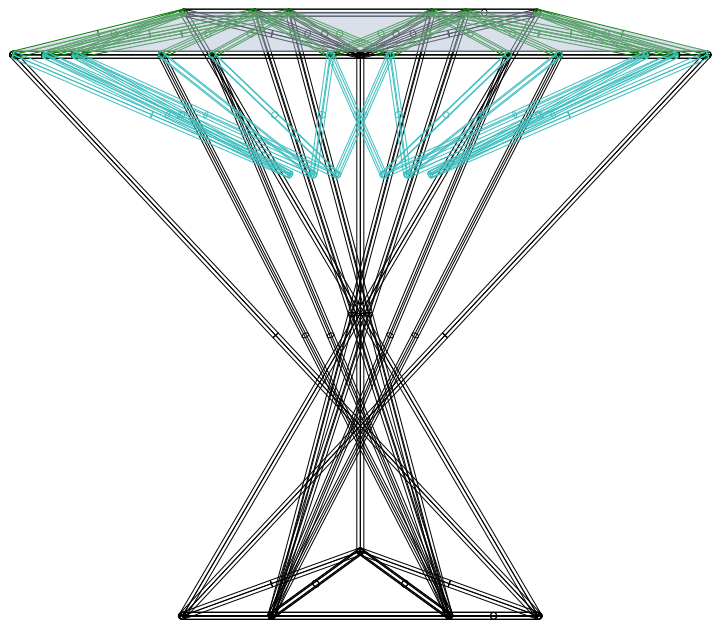
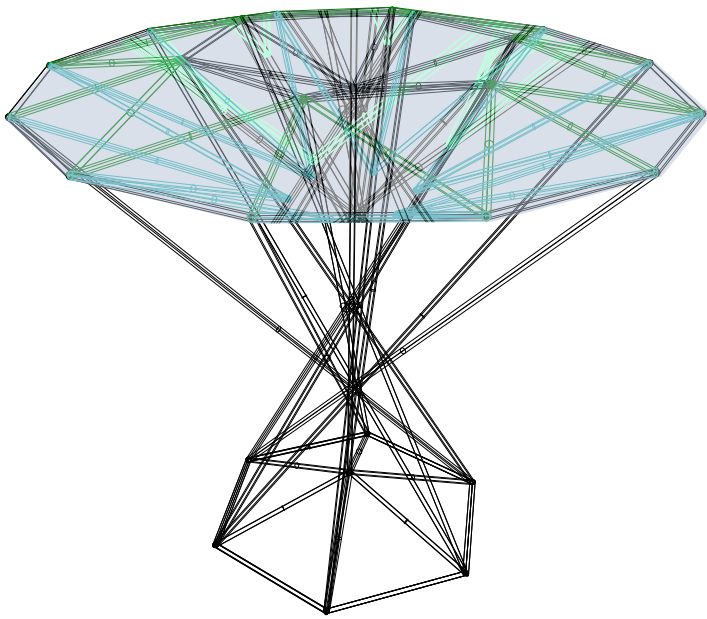
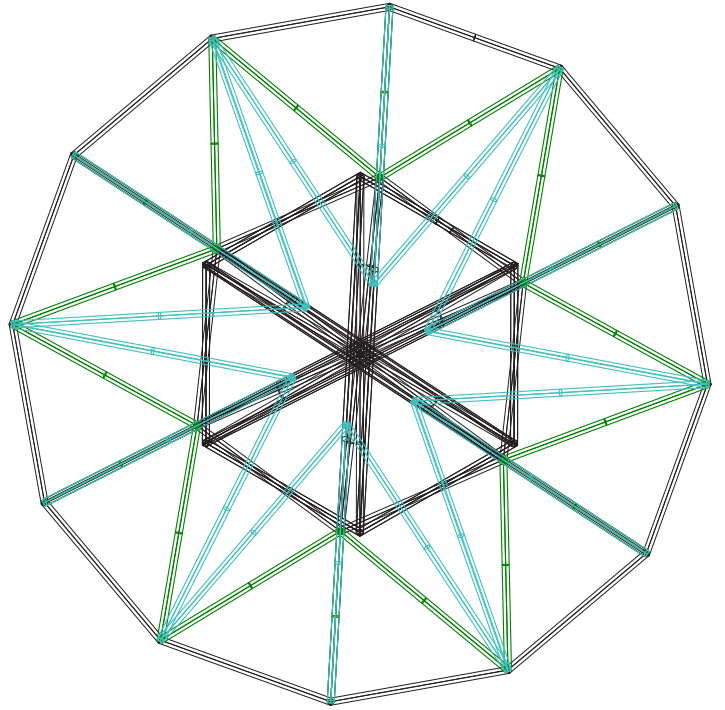
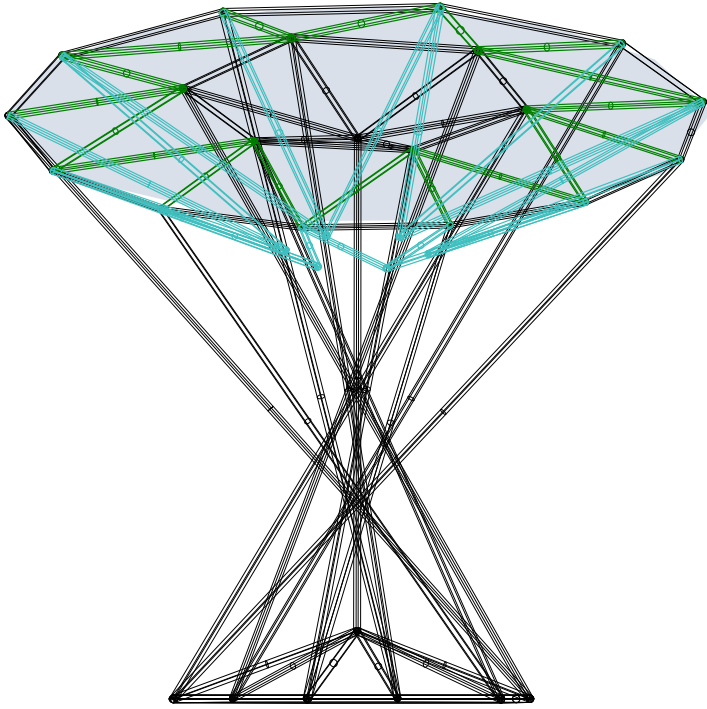




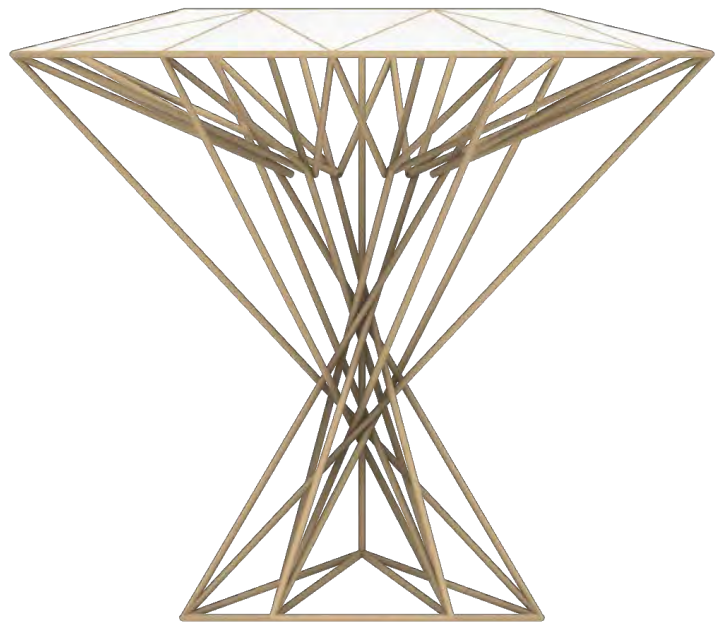
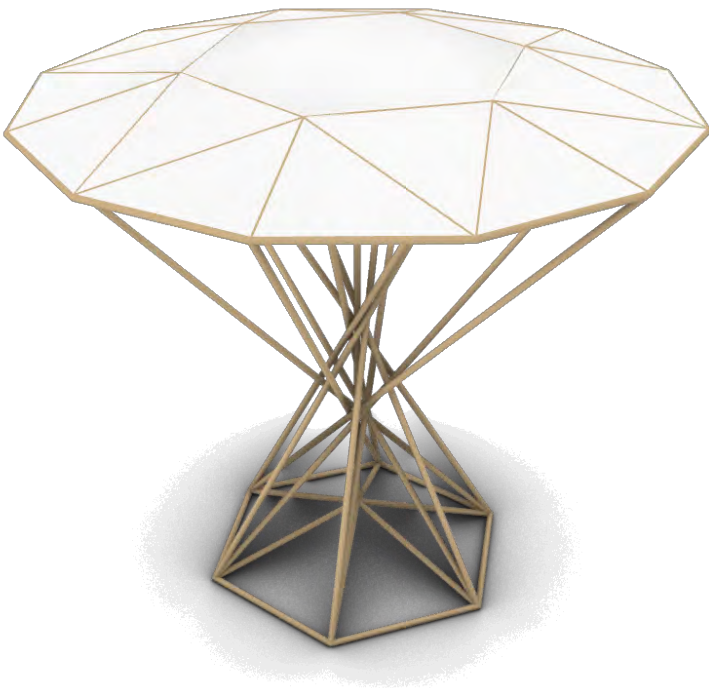
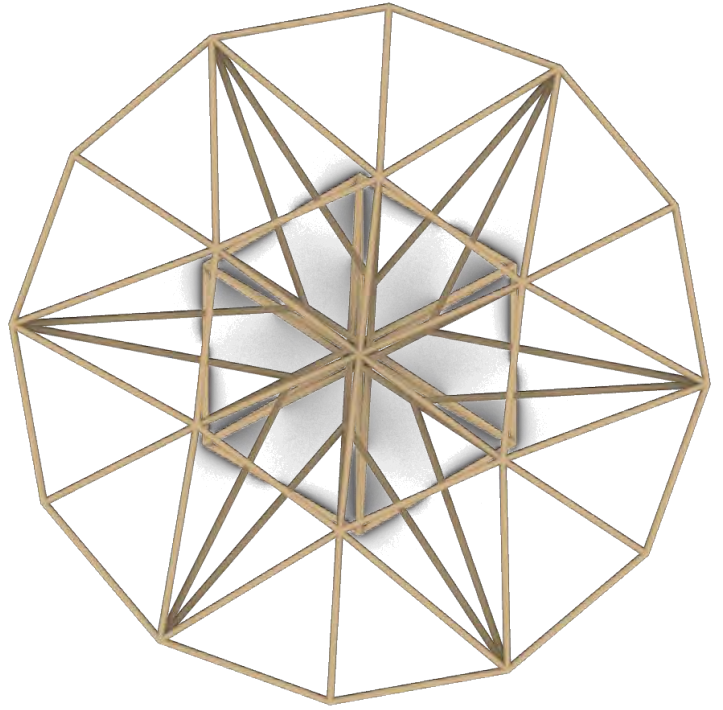
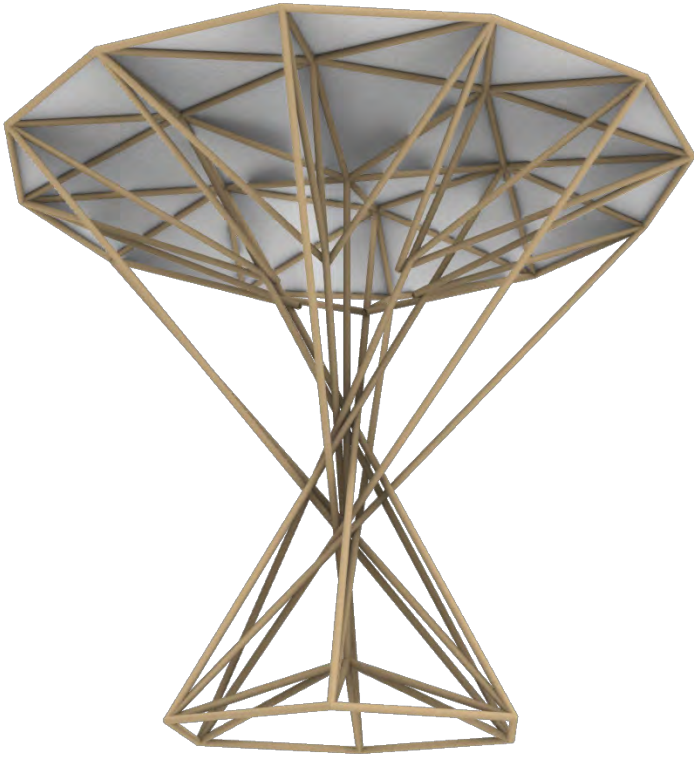


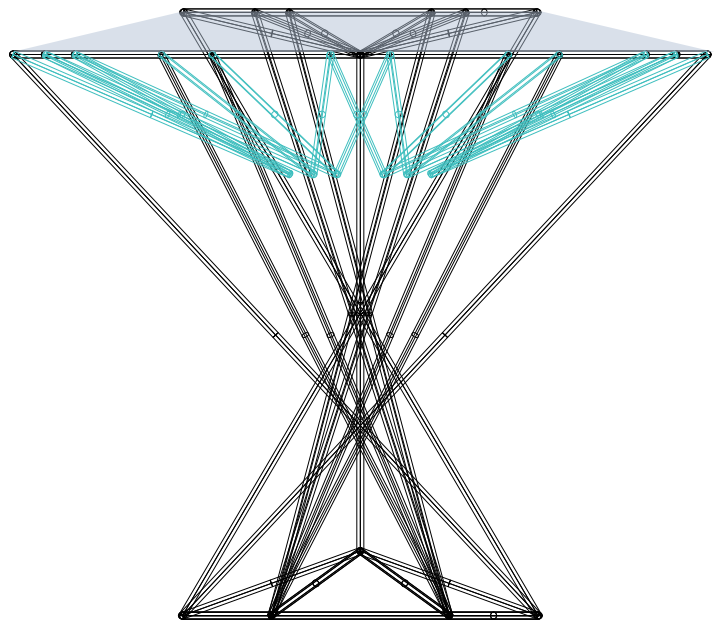
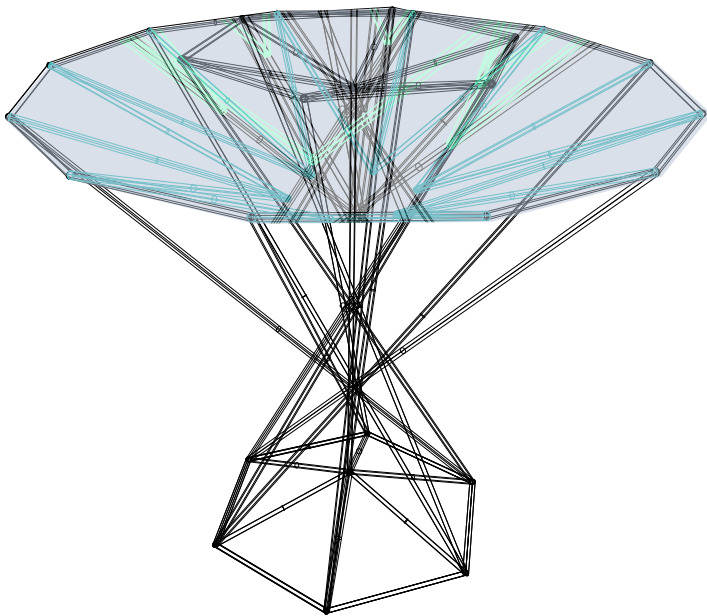
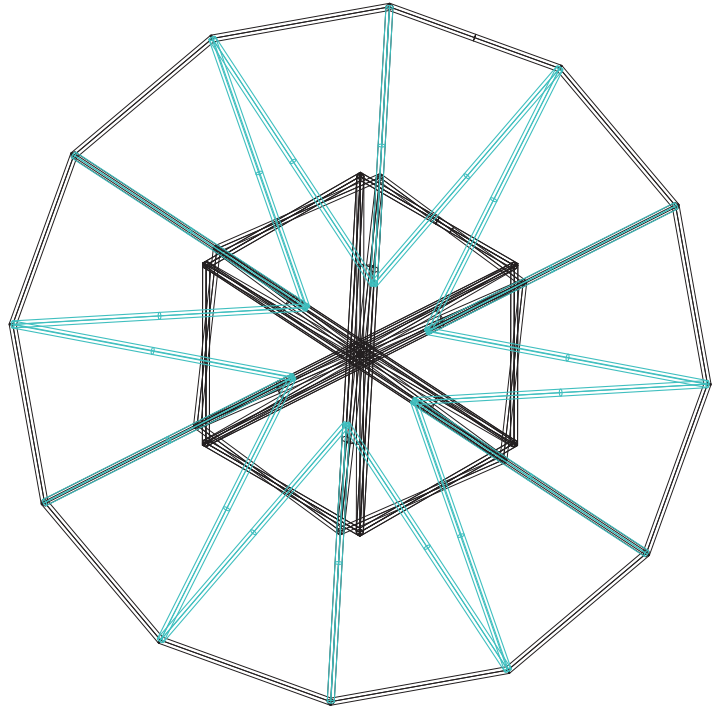
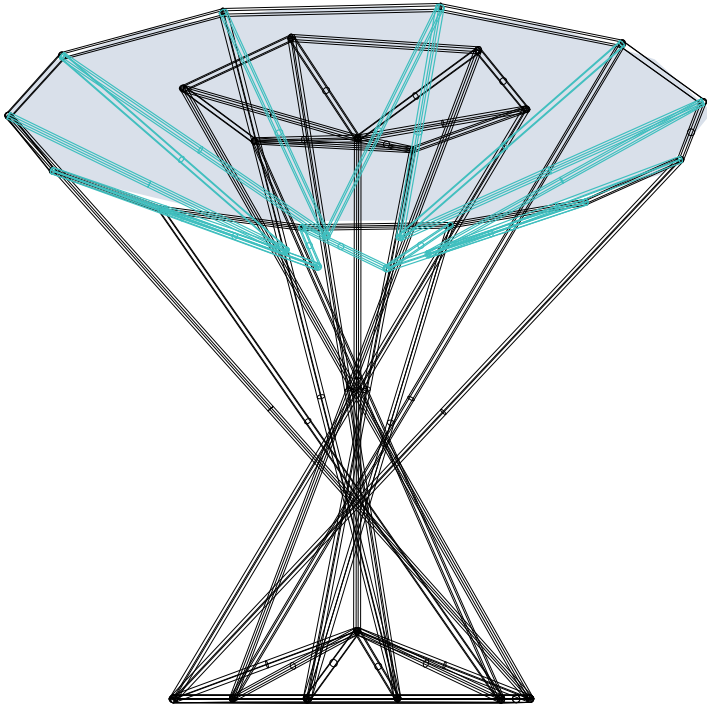


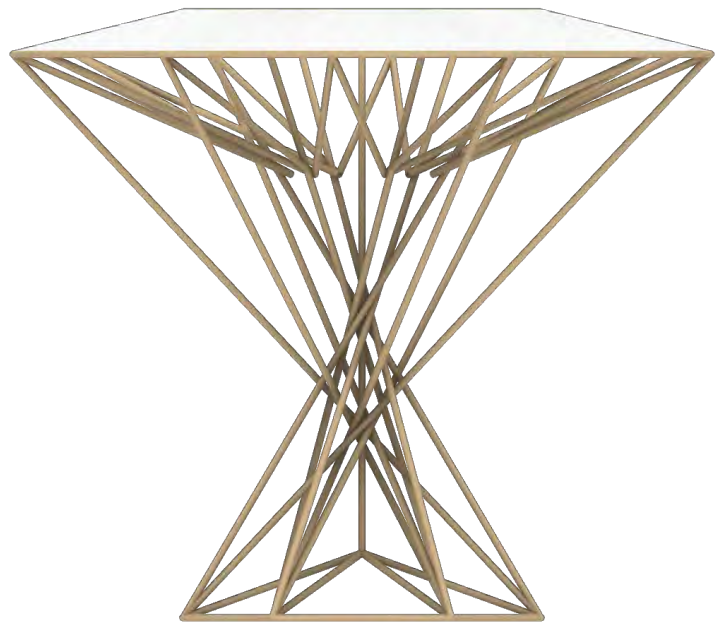
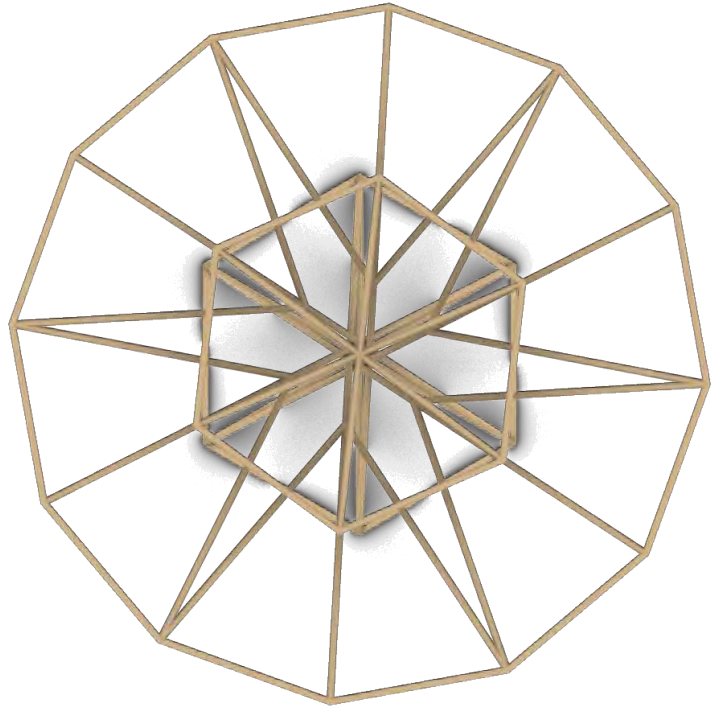
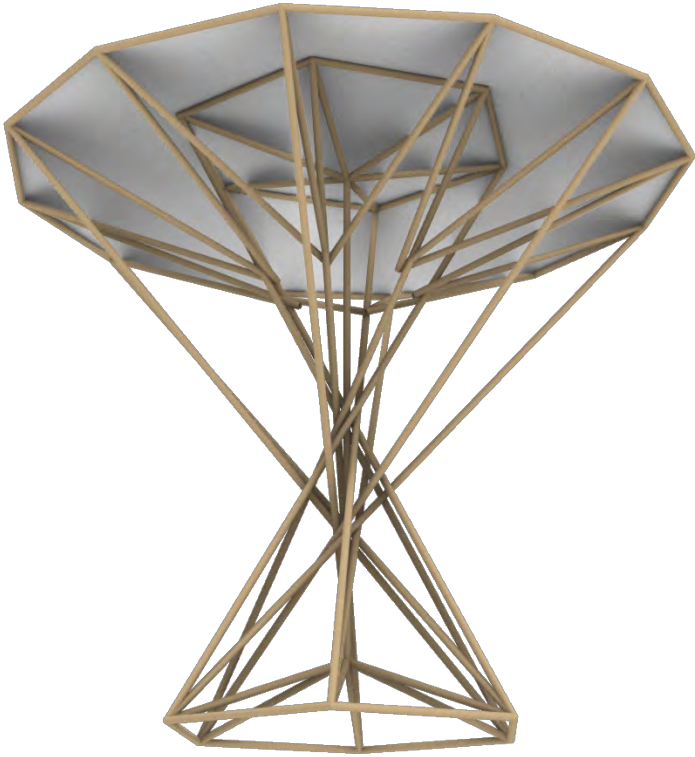


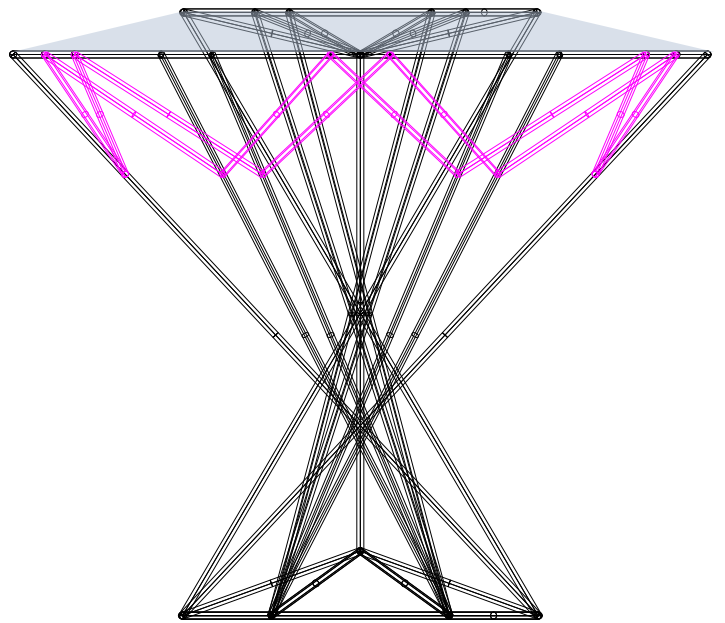
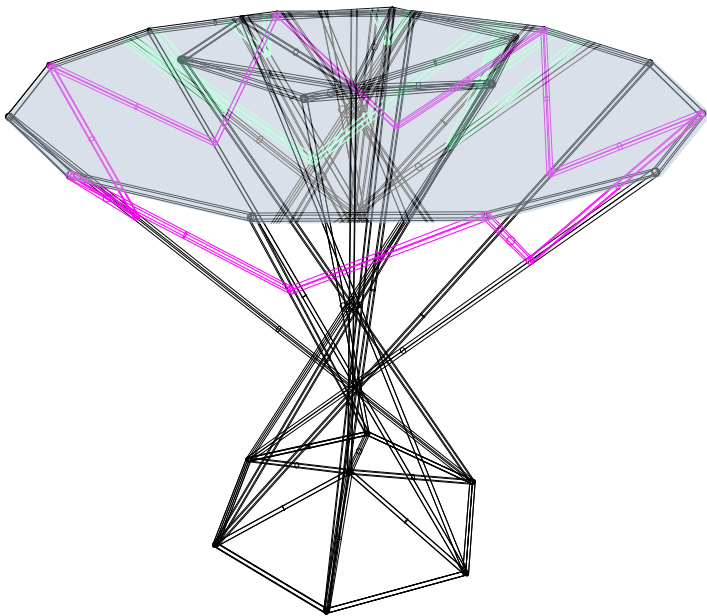
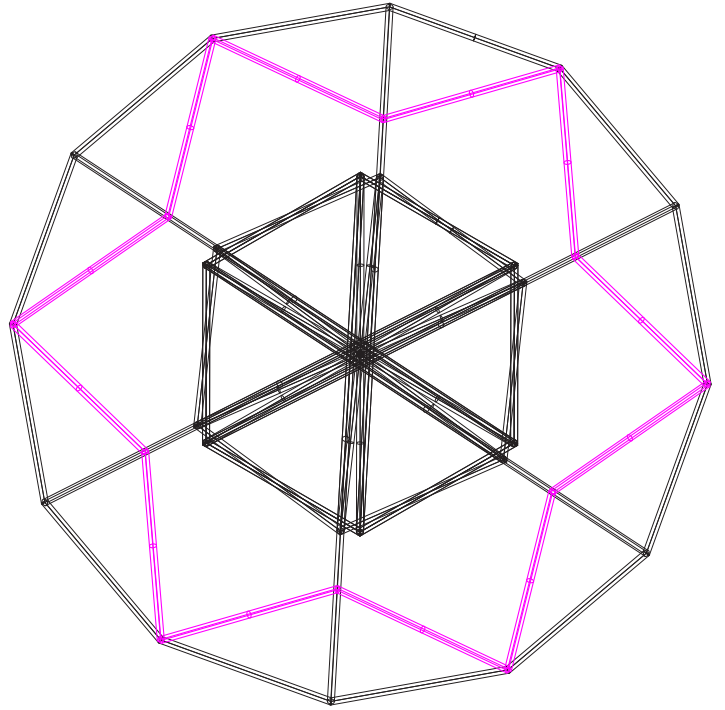
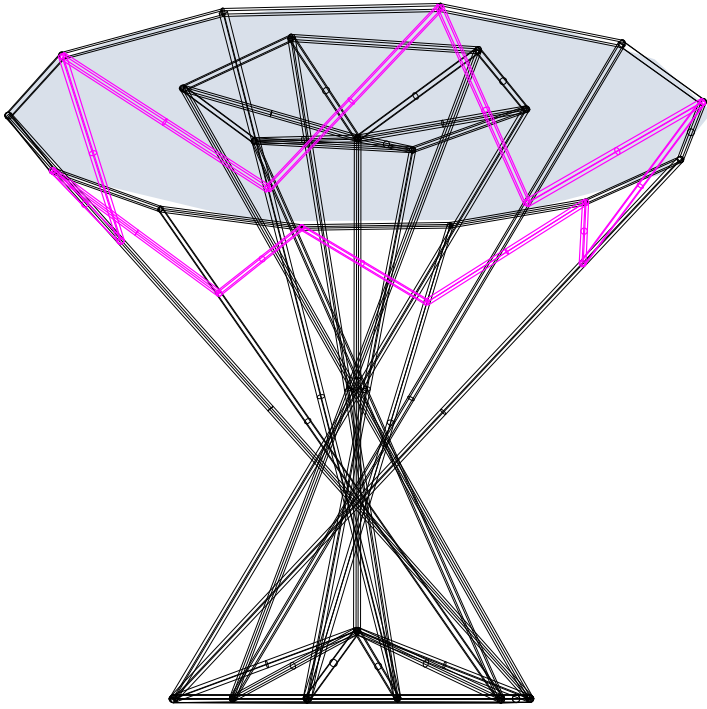


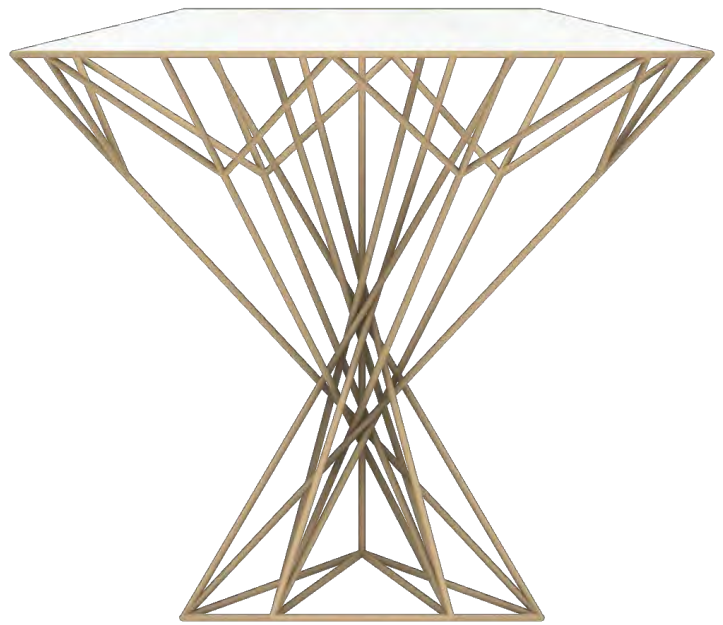
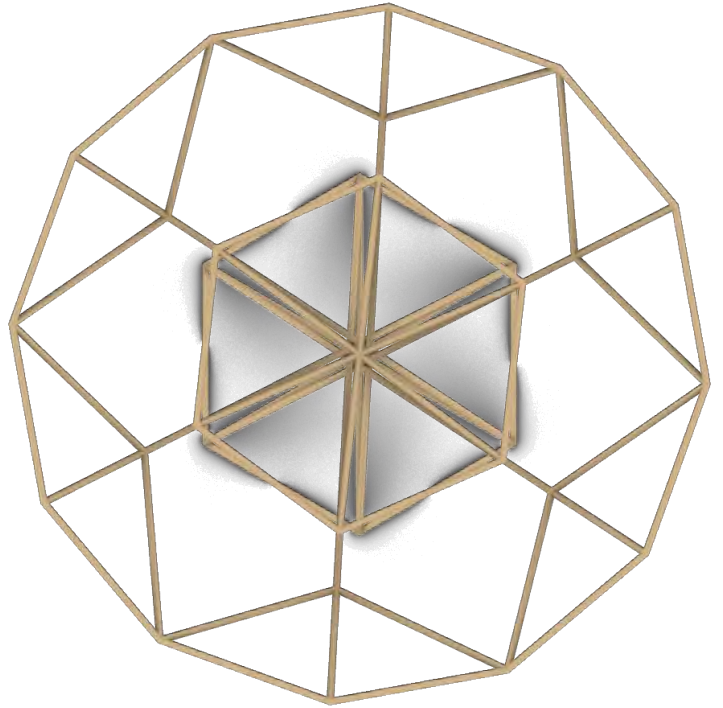


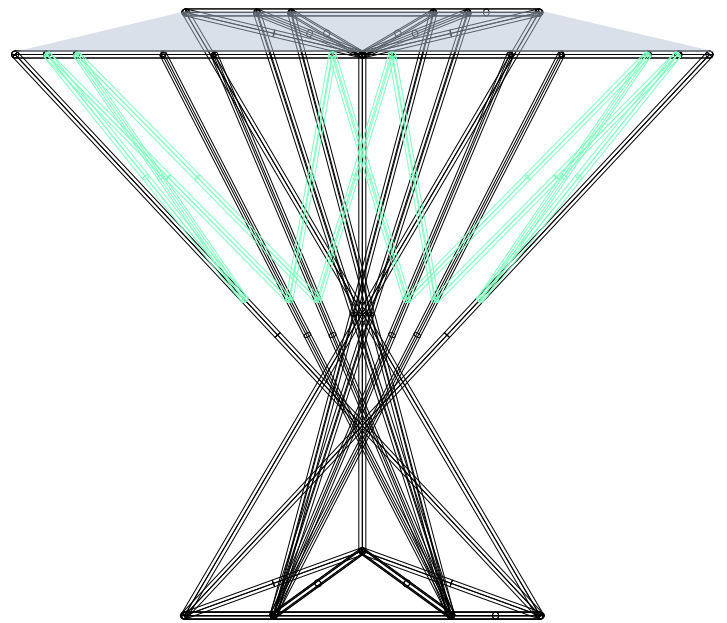
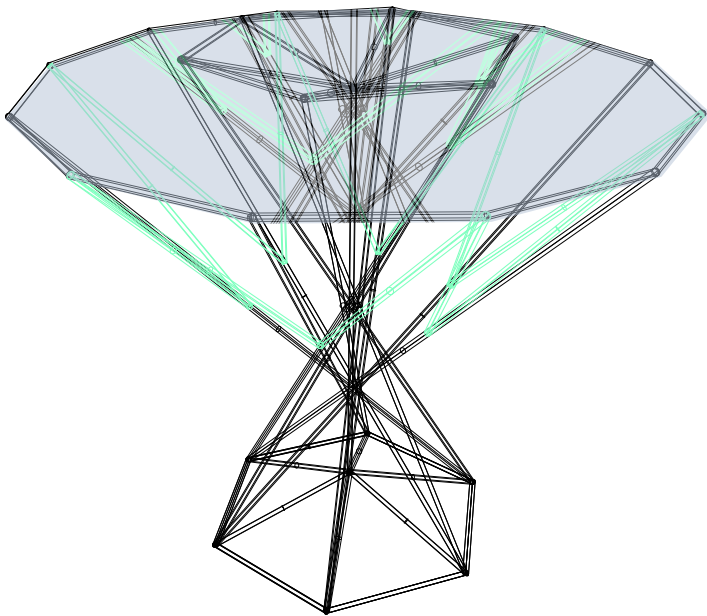
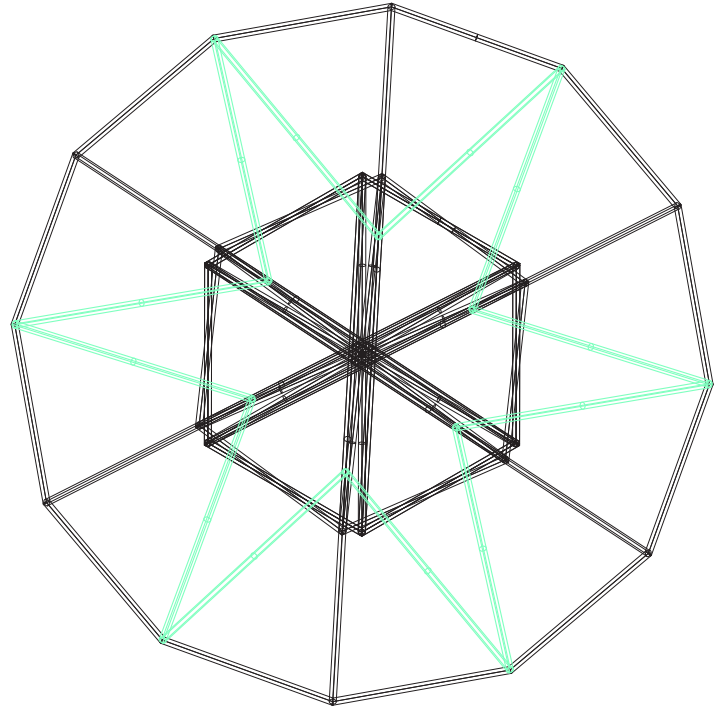
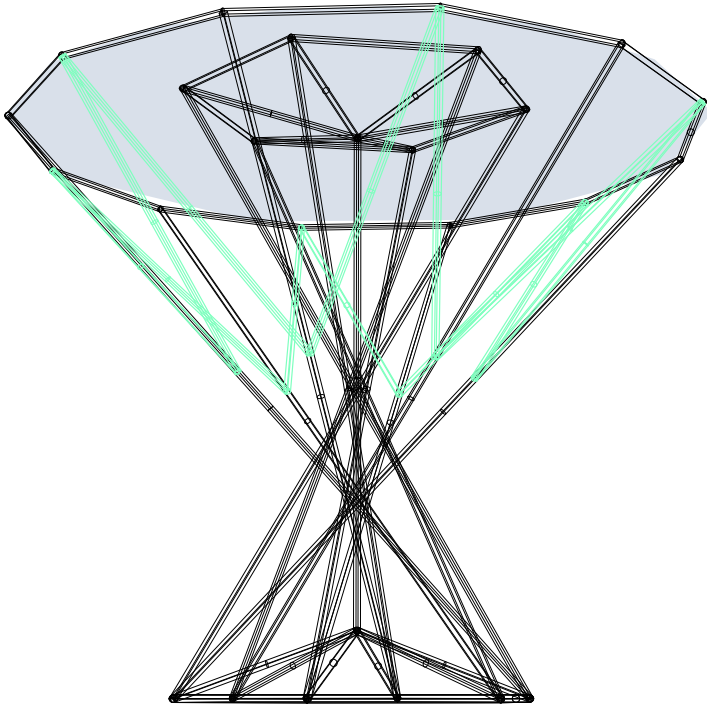


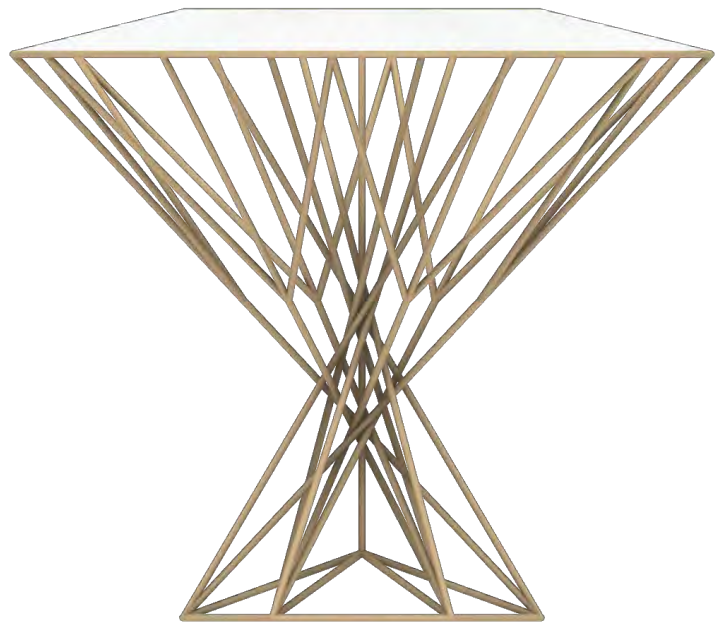
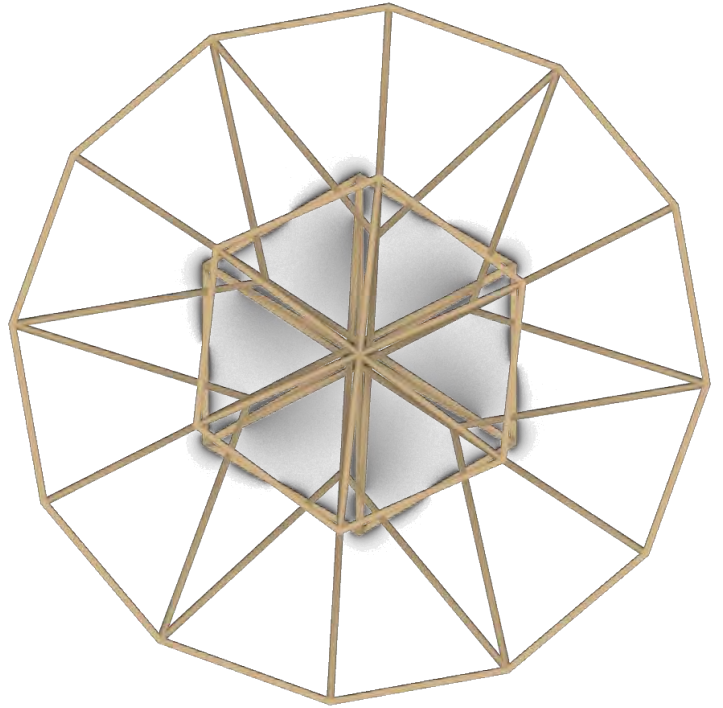












## MATERIAL CALCULATIONS

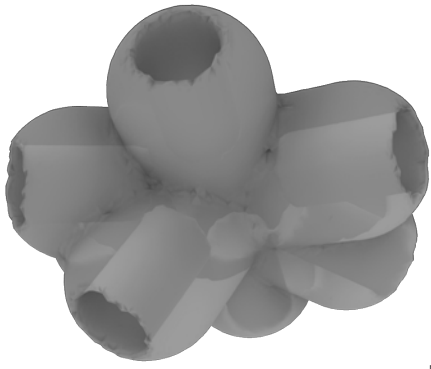
A(1)	48.9 (6)
A(2)	33.84 (6) . 14.02 (6)
B(1)	53.8 (6)
B(2J)	42.11 (6) . 10.72 (6)
B(2K)	29.84 (6) . 22.98 (6)
B(3)	29.84 (6) . 11.27 (6) . 10.72 (6)
C	34.4 (1)
D	11.68 (6)
E	11.68 (6)
F	11.82 (12)
G	12.48 (6)
H	12.48 (6)
I	14.8 (12) . 11.54 (6)
J	14.63 (12)
K	24.35 (12)
L	21.6 (12) . 21.15 (6)
TOTAL	2,183" (181')

3D PRINTED NODES  
 FLEXIBLE MATERIAL  
 ALL 62  
 \$600 - 1,300

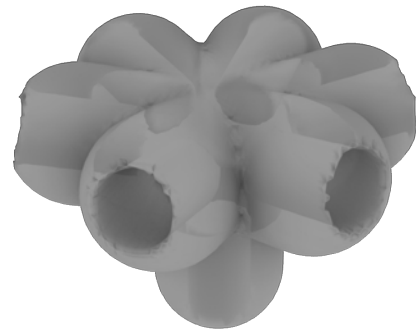
LOWES Dowel . 1/2 D x 72" . \$2.6

Minimum 30 Dowels . \$80.40

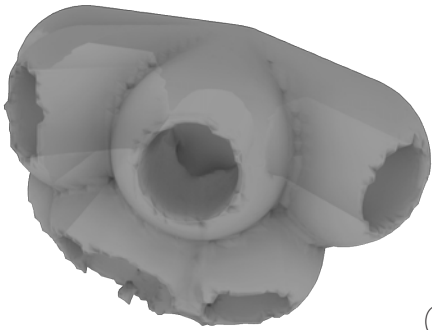




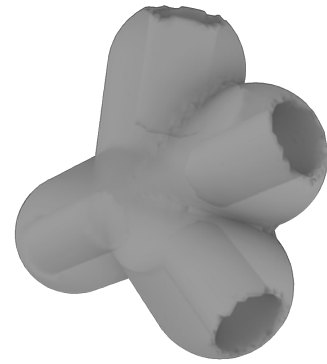
M



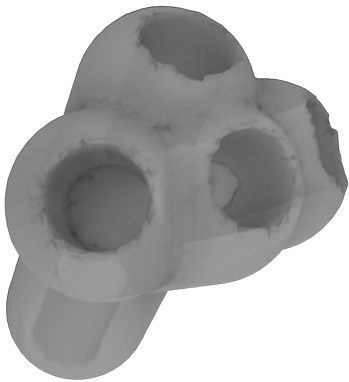
N



O



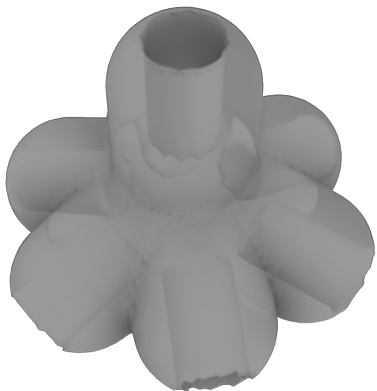
P



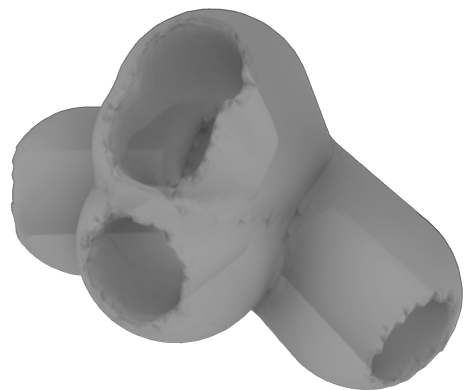
Q



R

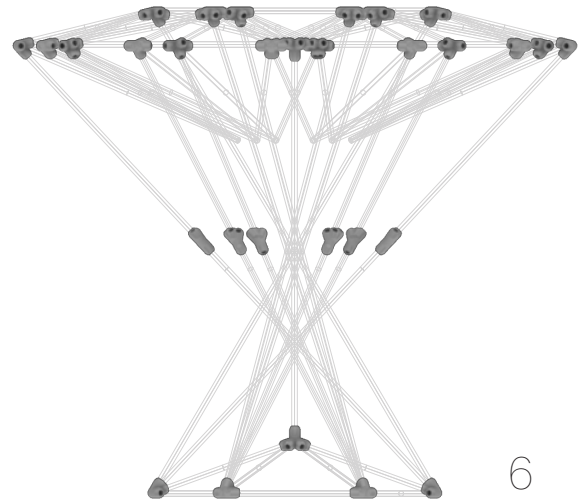
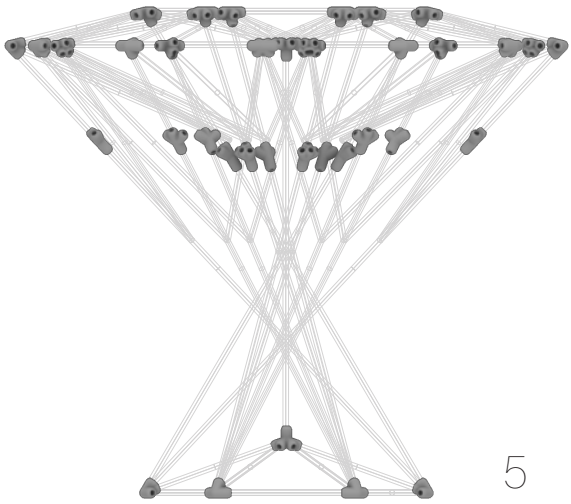
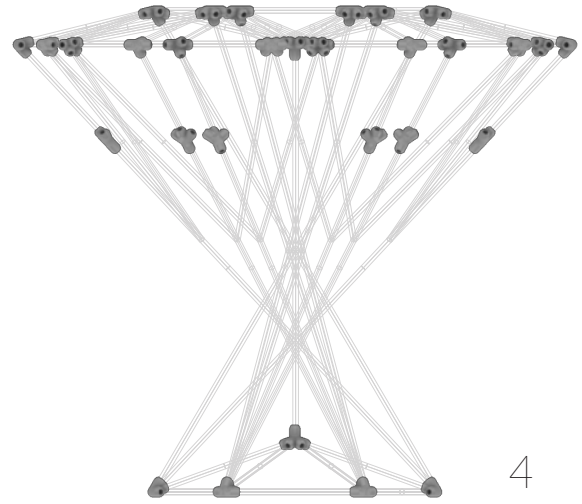
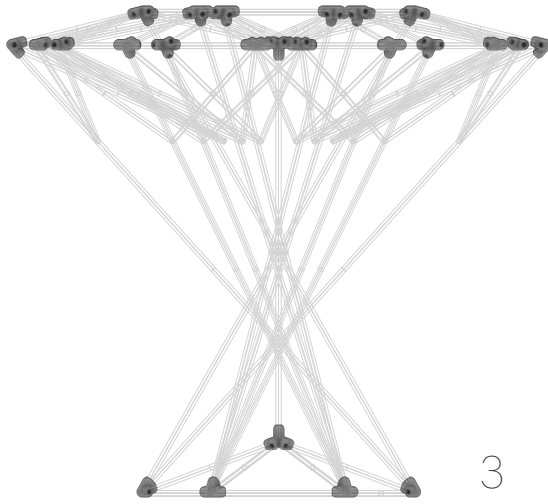
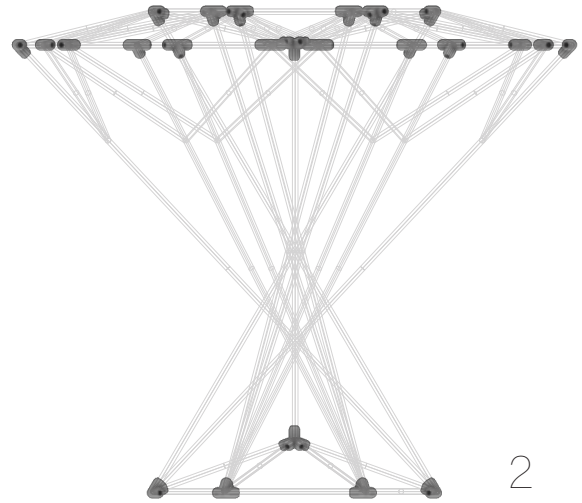
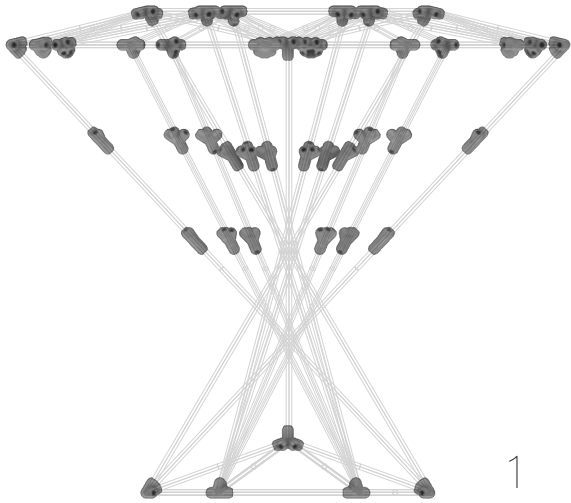


S



T

# NODE CONFIGURATIONS



# NODE CONFIGURATIONS

