

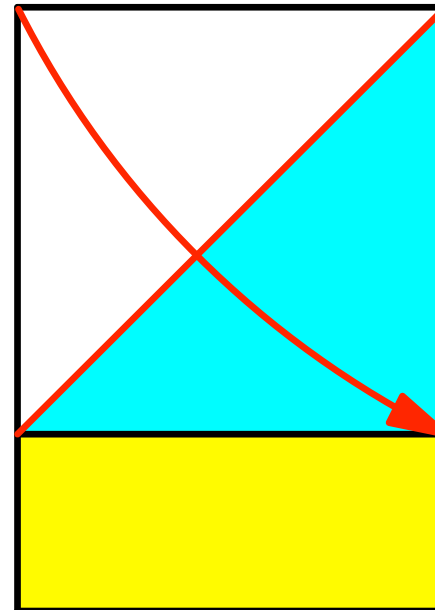
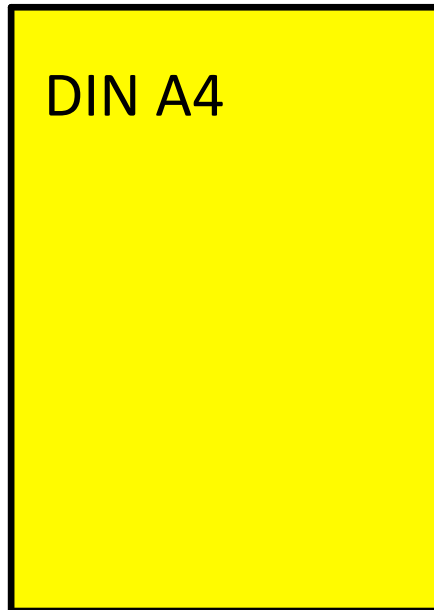
Hans Walser



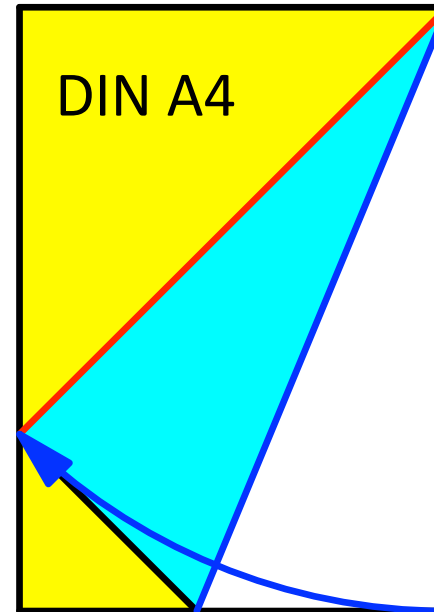
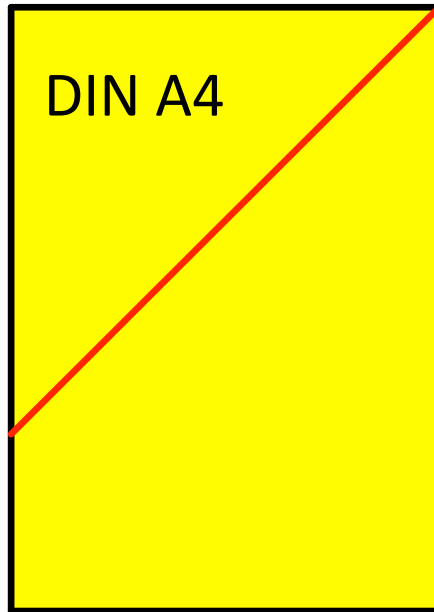
DIN 476

www.walser-h-m.ch/hans

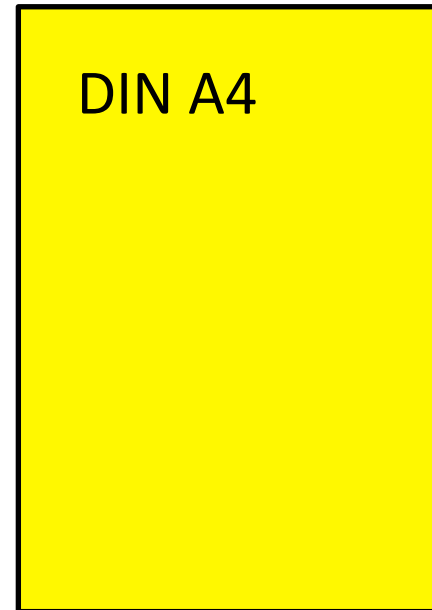
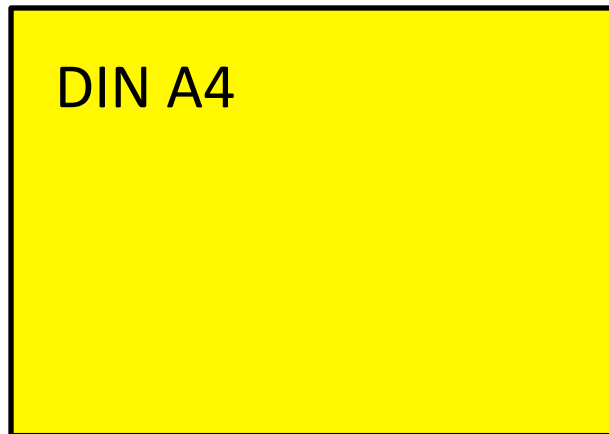
Seitenverhältnis



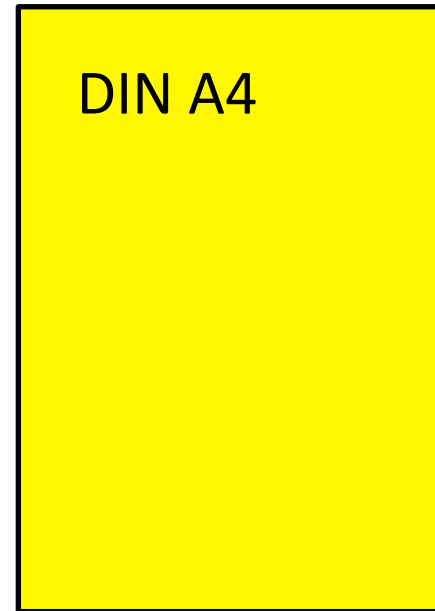
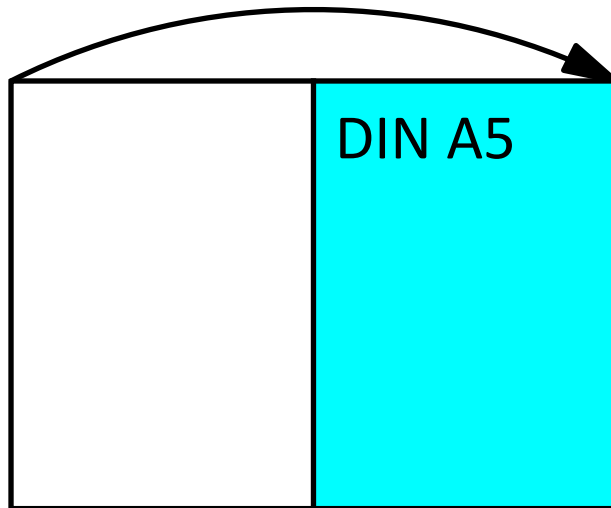
Seitenverhältnis



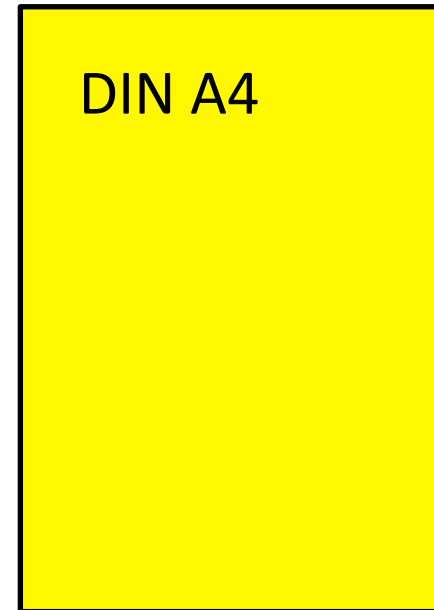
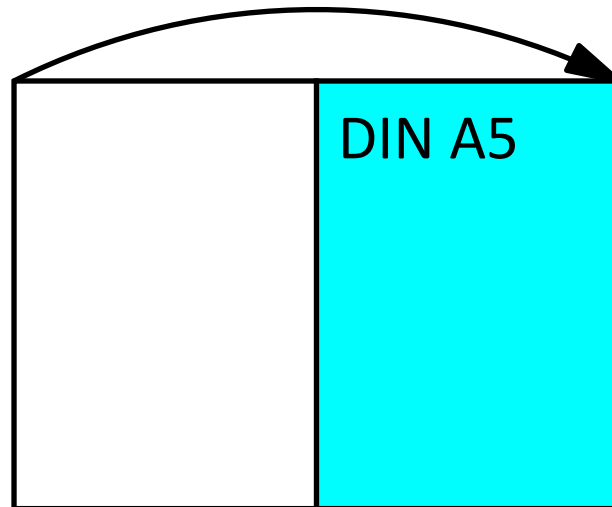
Zwei A4 Blätter, Querformat und Hochformat



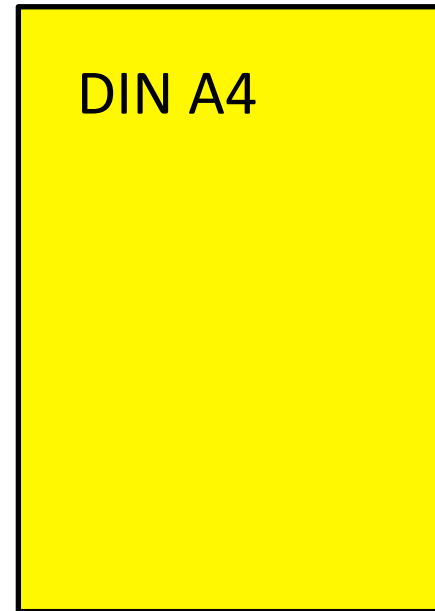
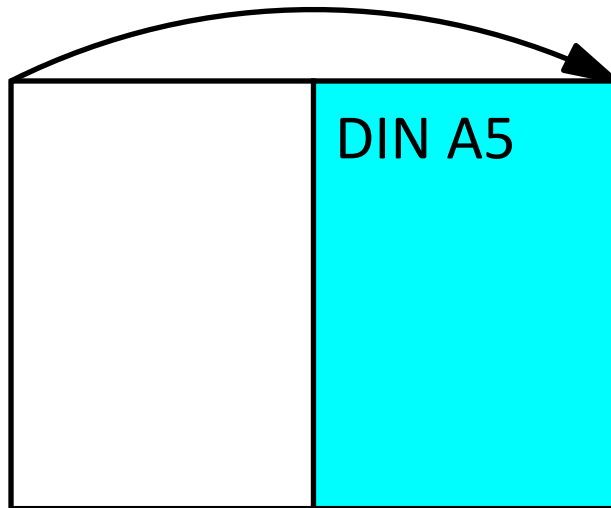
Falten



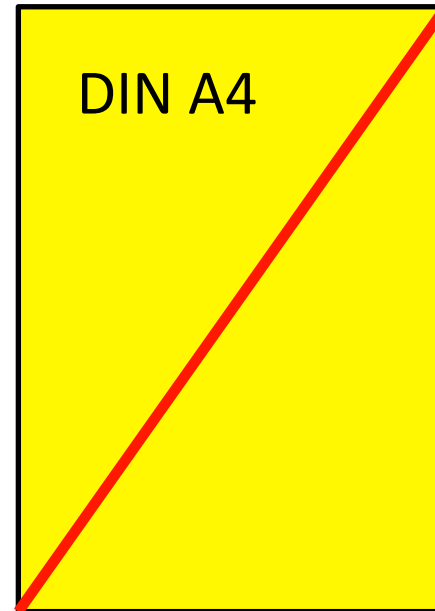
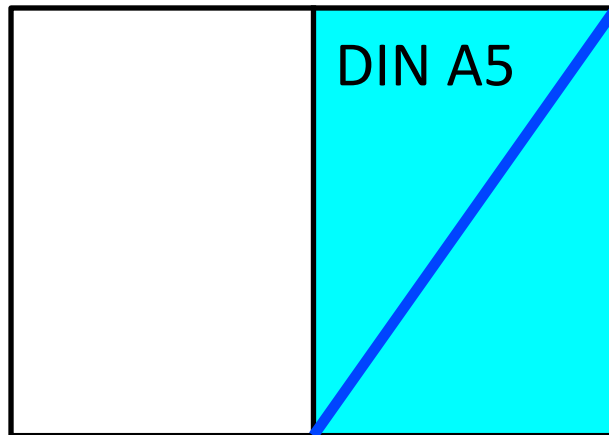
Bis zu welchem Format muss gefaltet werden,
damit es für jedes Menschenkind ein Rechteck gibt?



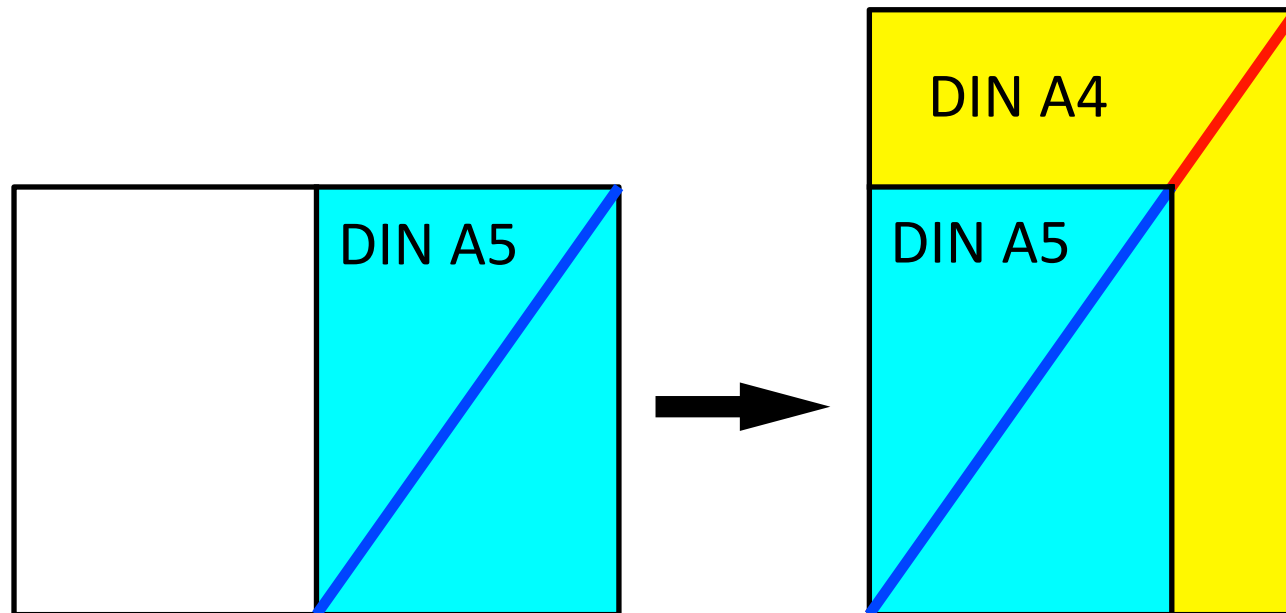
Falten



Diagonalen von links unten nach rechts oben

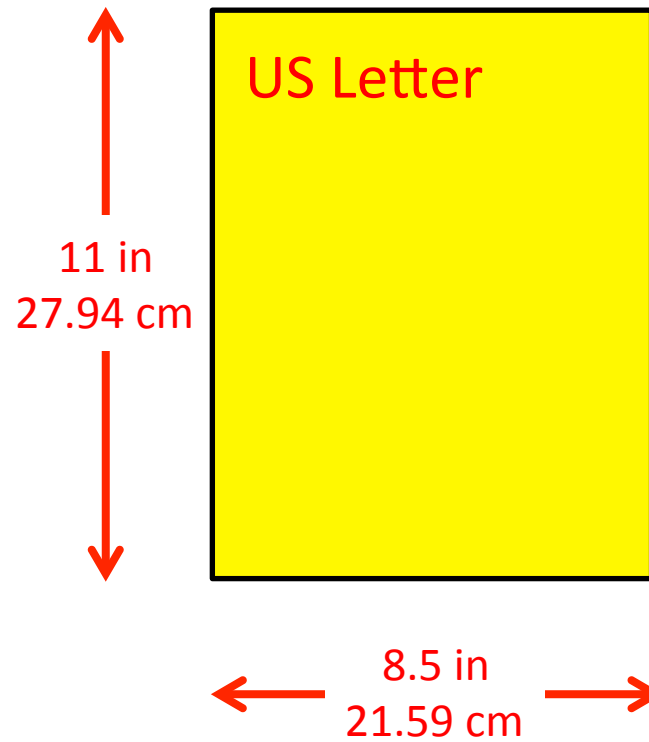
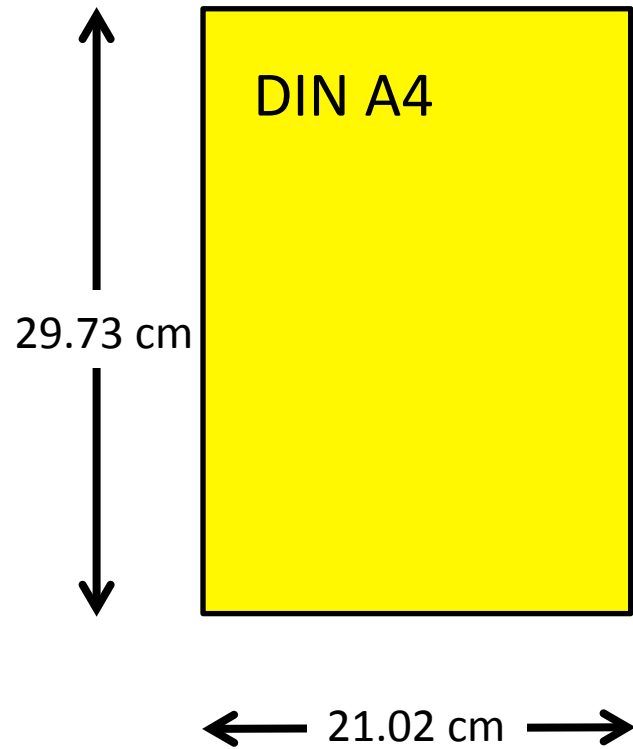


Einschieben



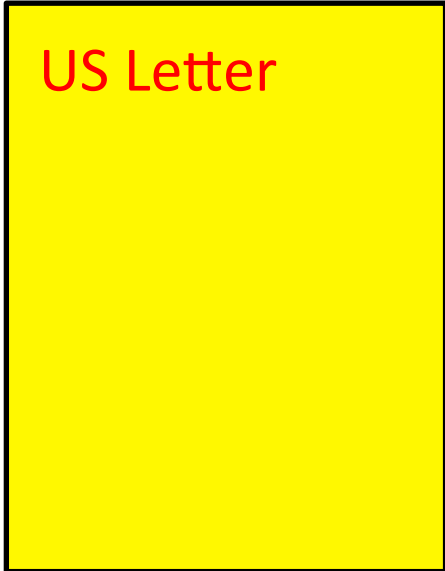
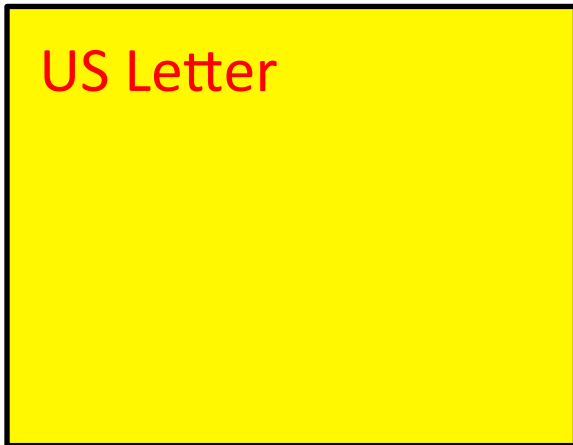
Die Diagonalen passen aufeinander

Vergleich: DIN A4 und US Letter

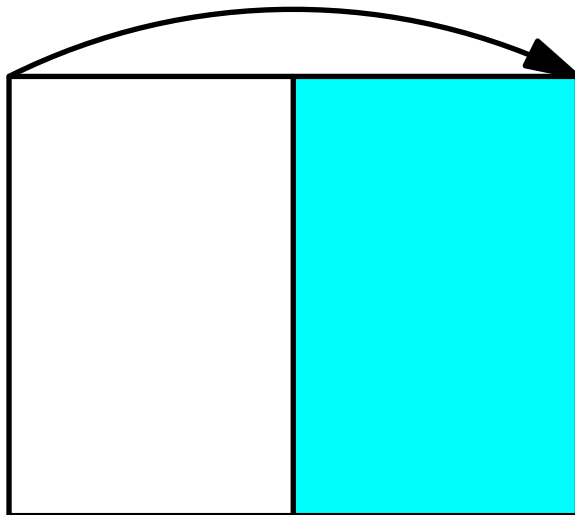


1 in (inch) = 2.54 cm

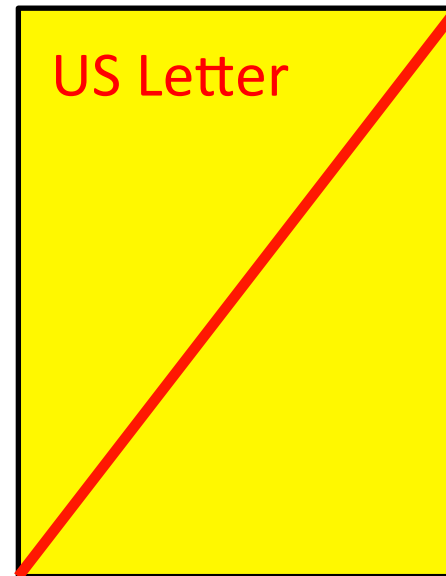
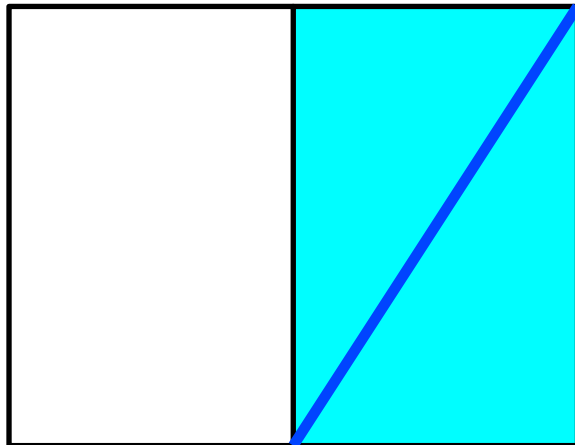
US Letter, Querformat und Hochformat



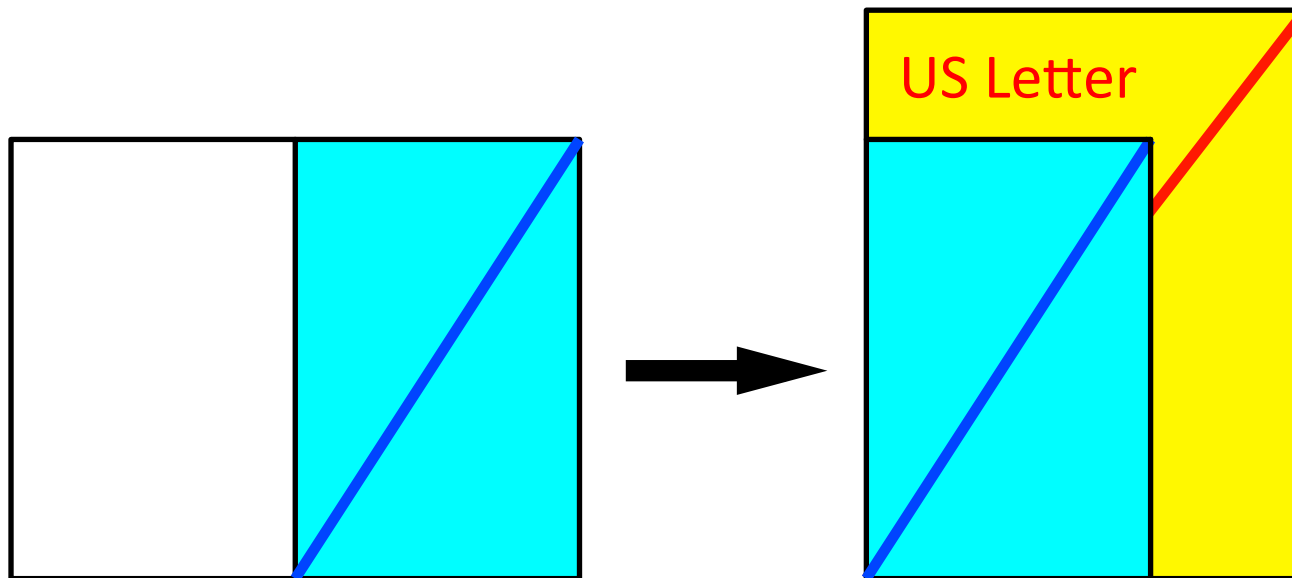
Falten



Diagonalen von links unten nach rechts oben

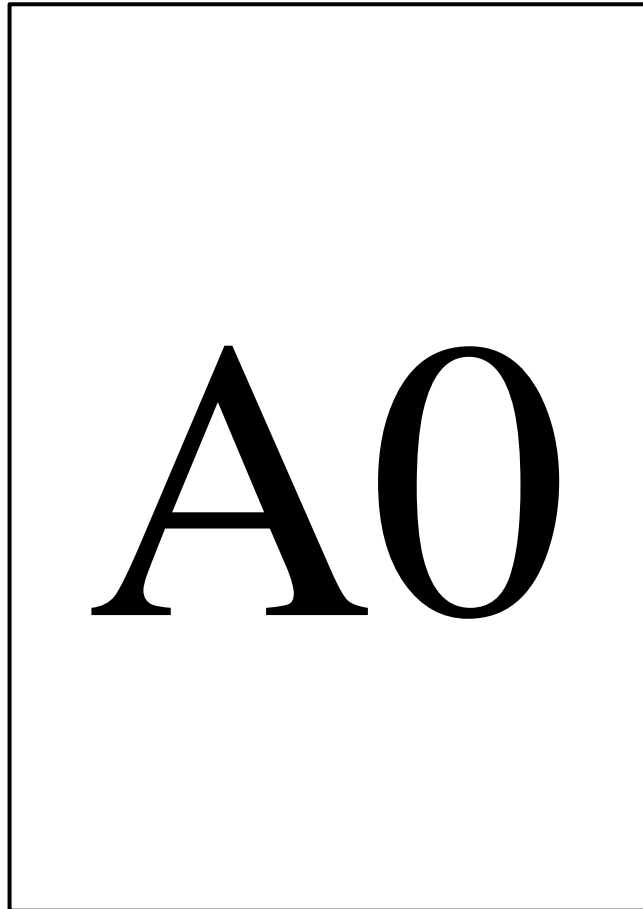


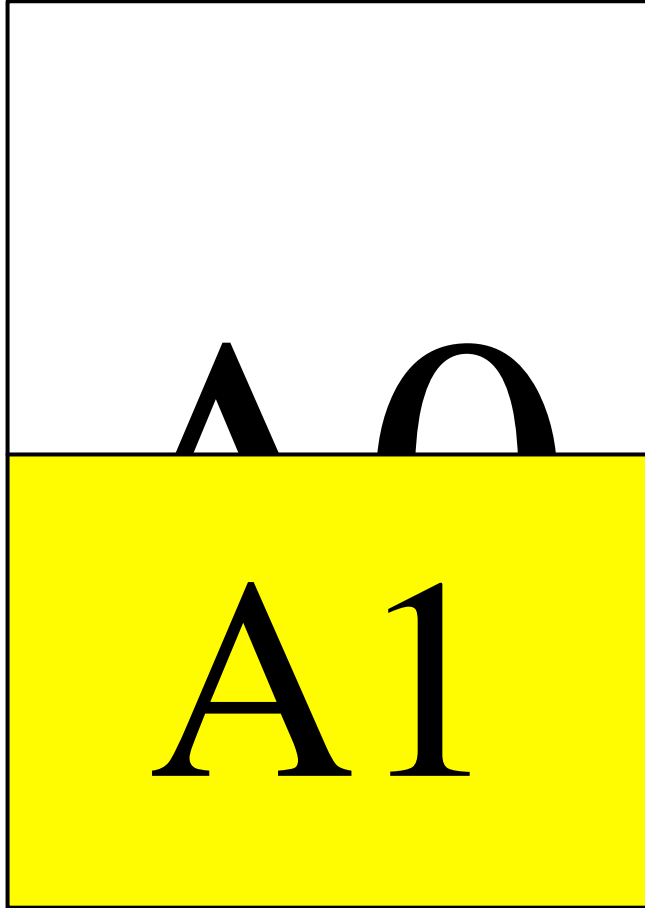
Einschieben



Die Diagonalen passen **nicht** aufeinander

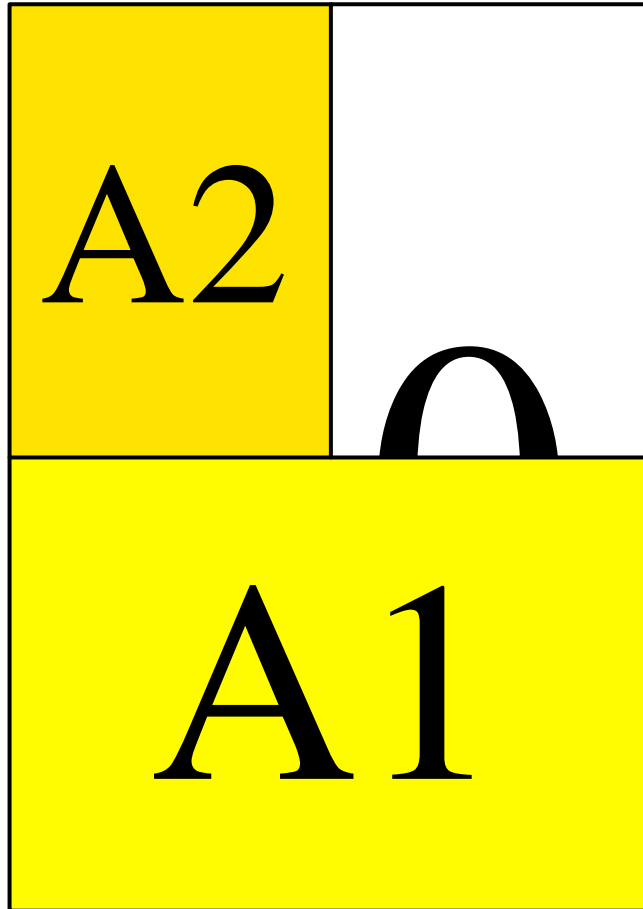
Hochformat

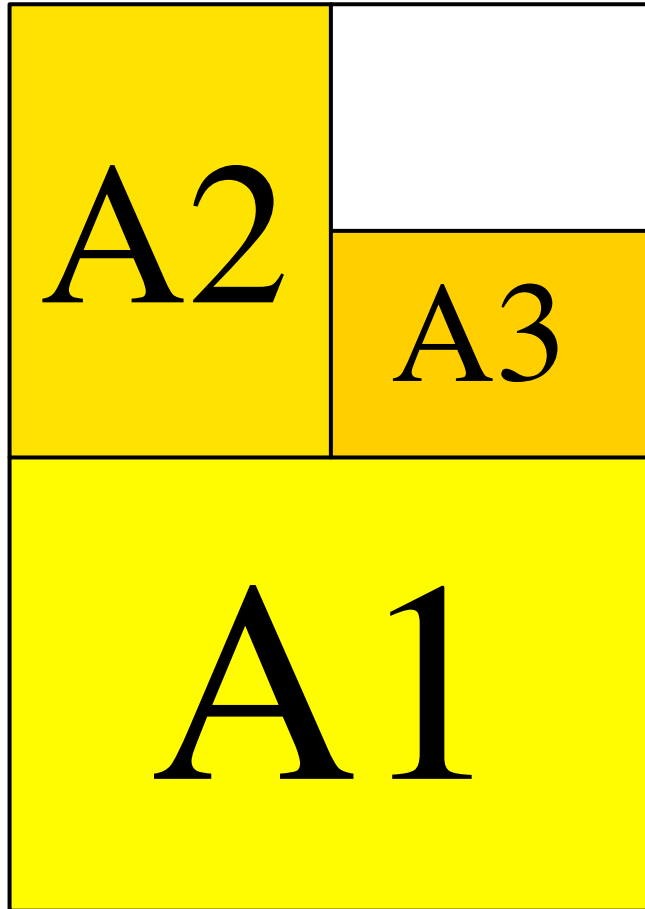




Querformat

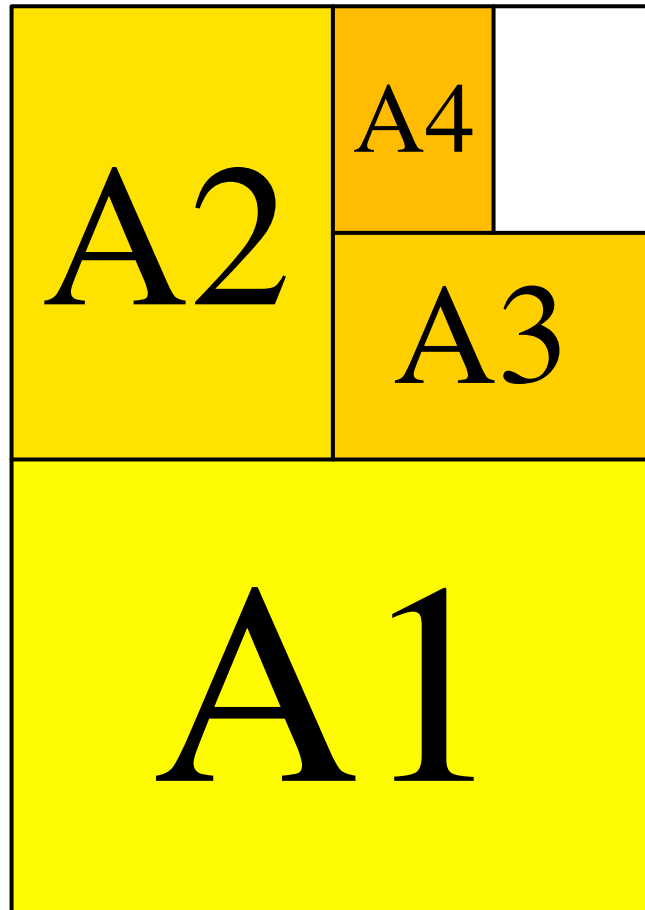
Hochformat

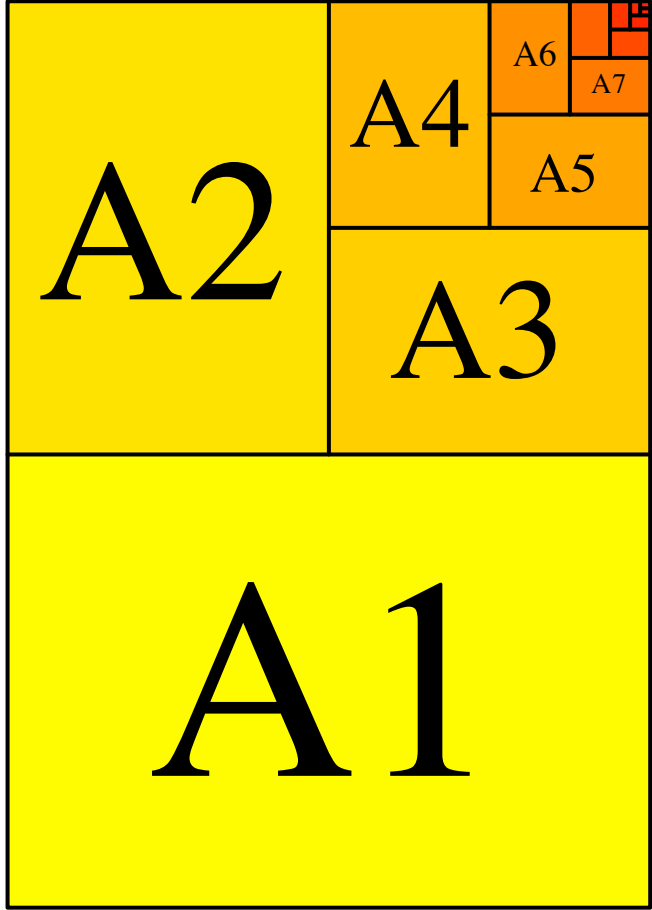


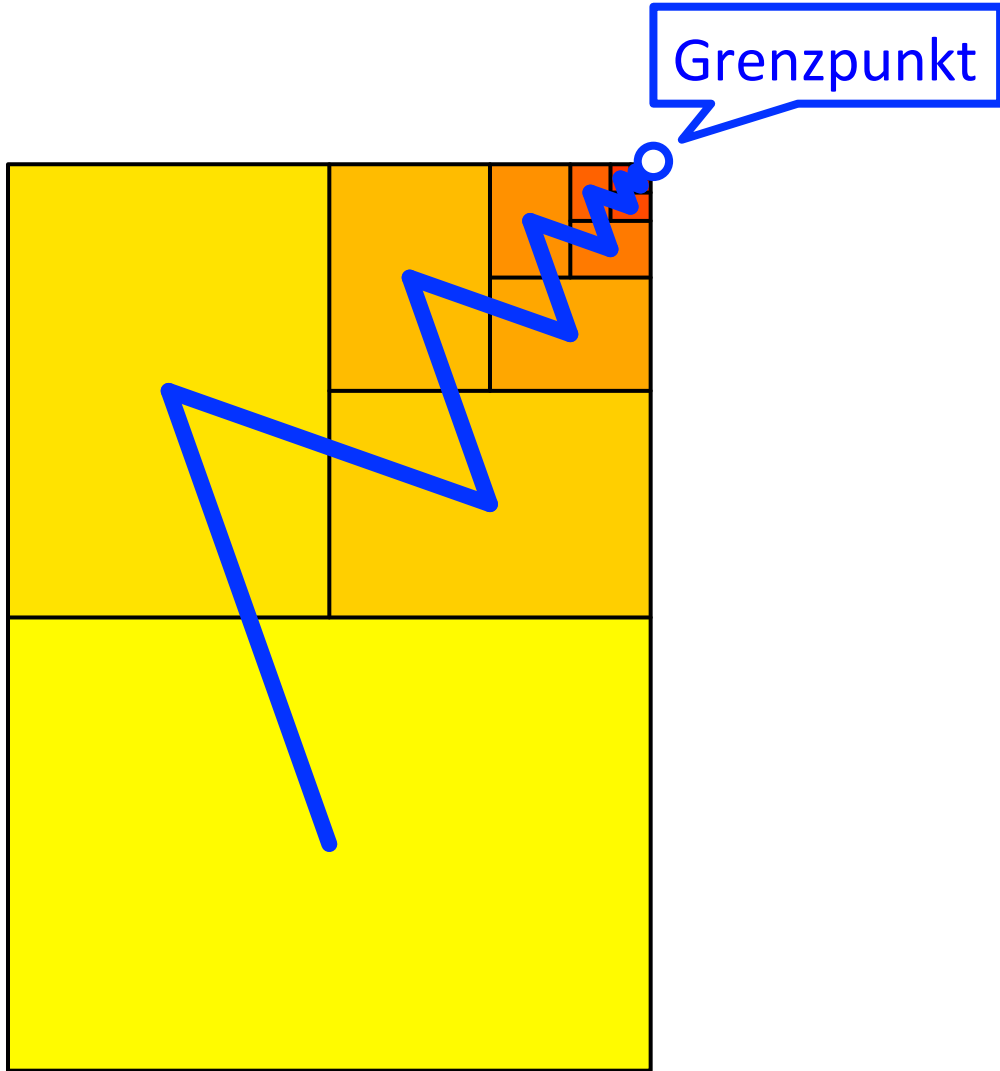


Querformat

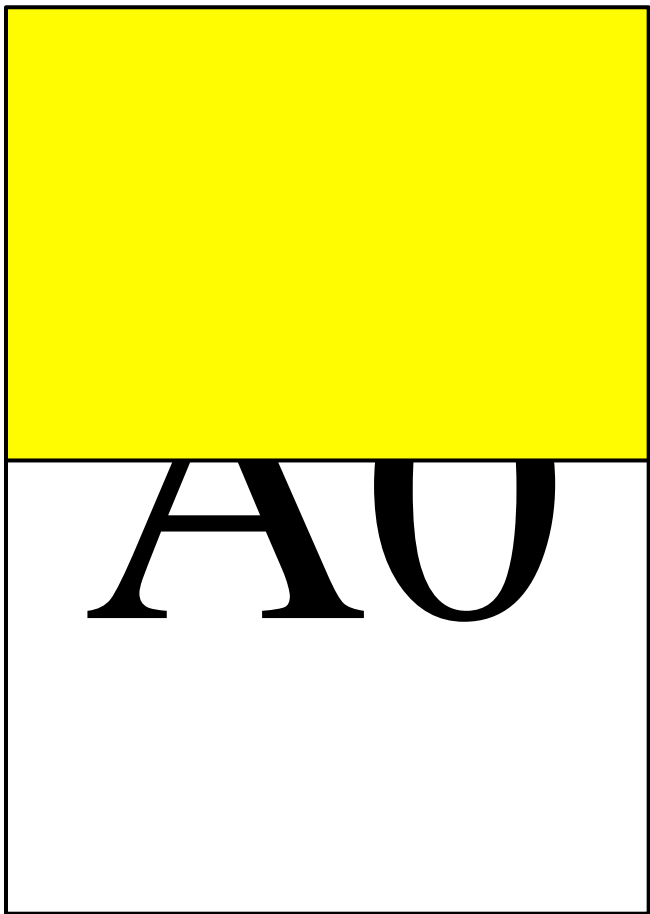
Hochformat

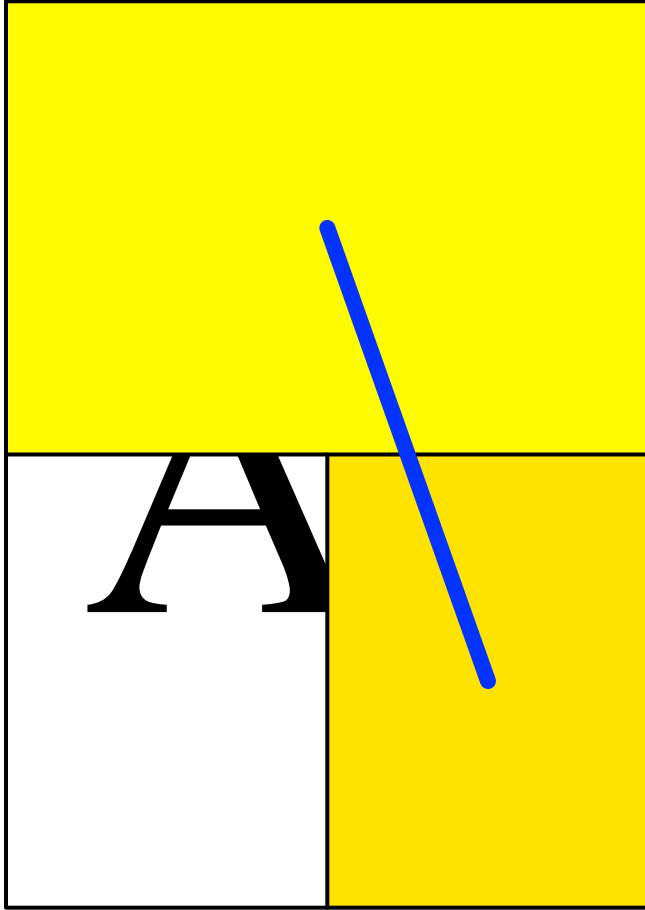


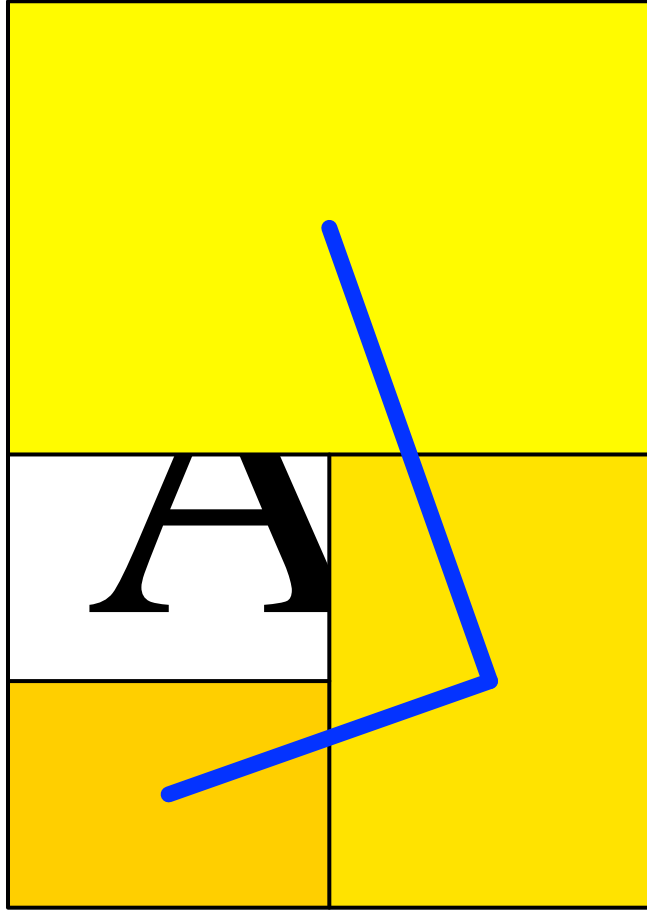


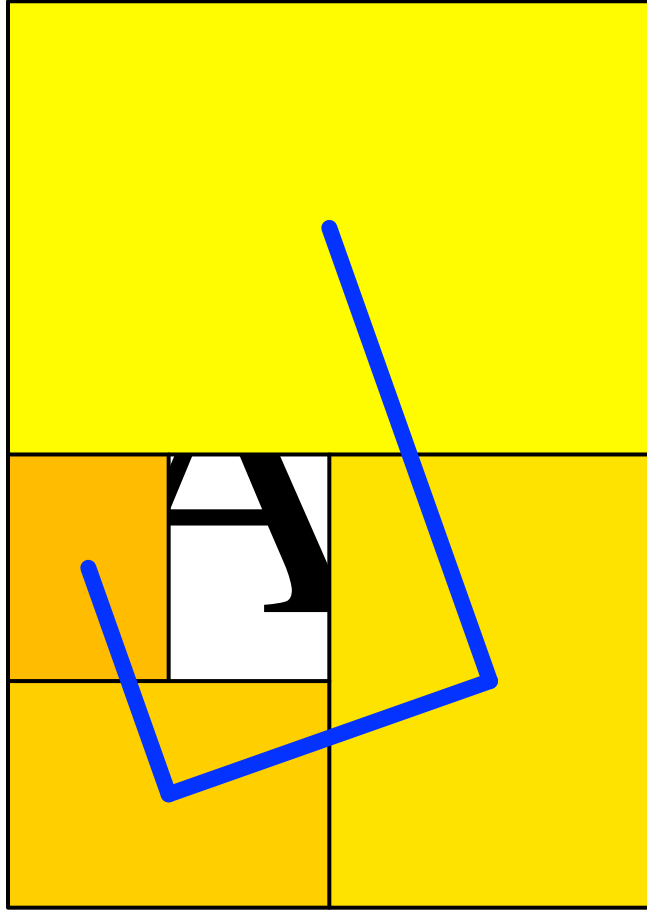


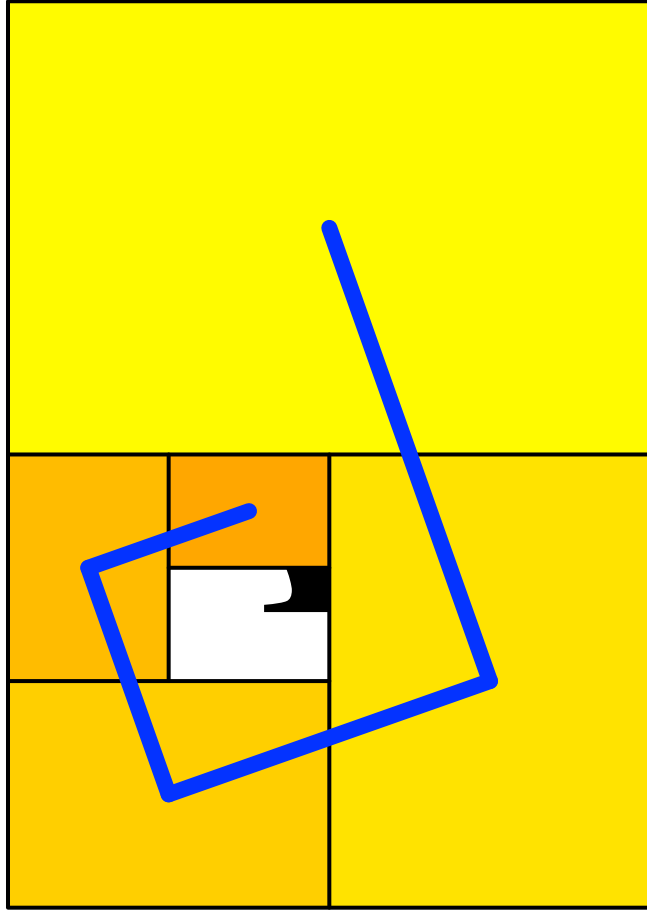
A0

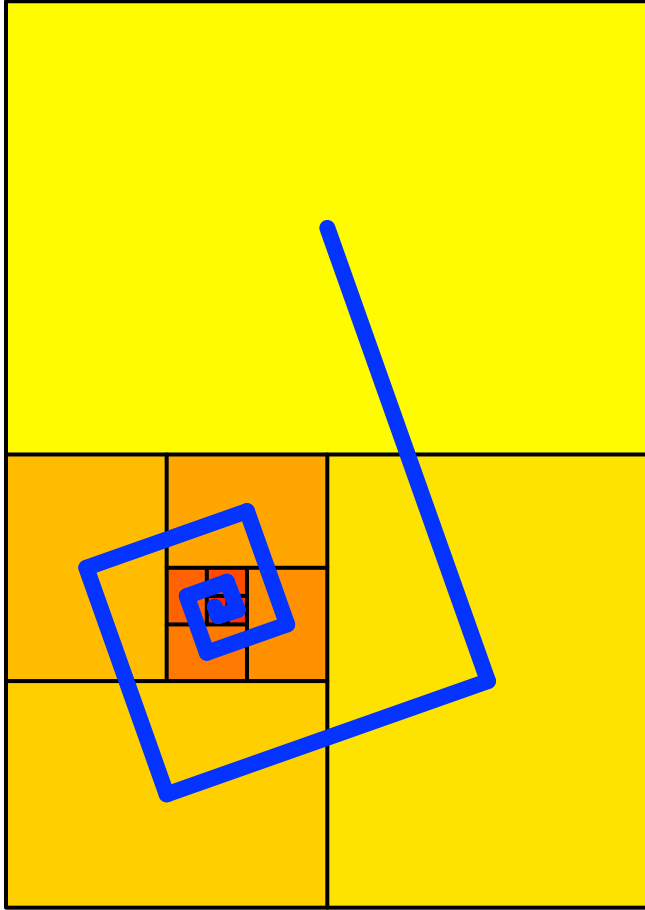




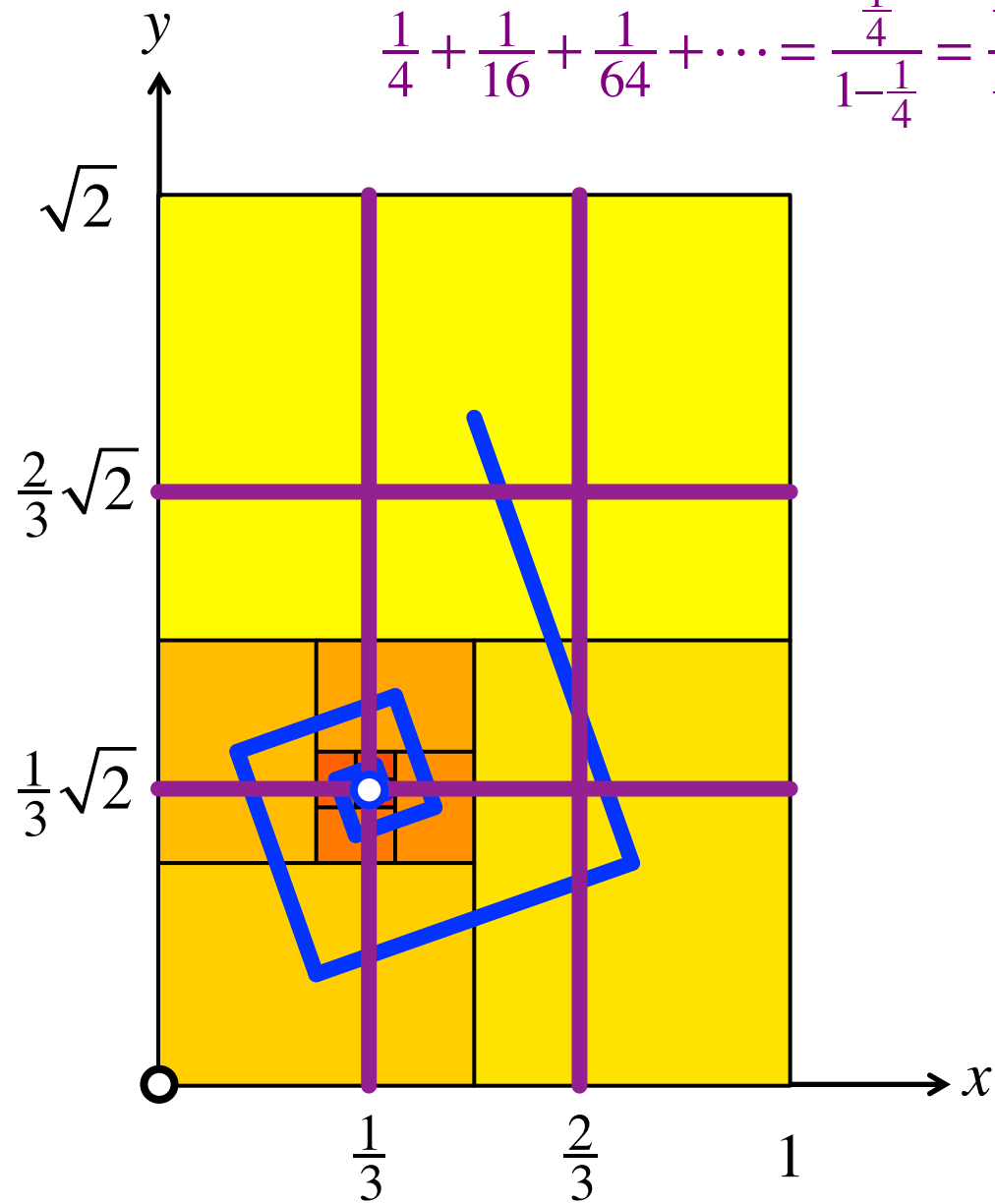






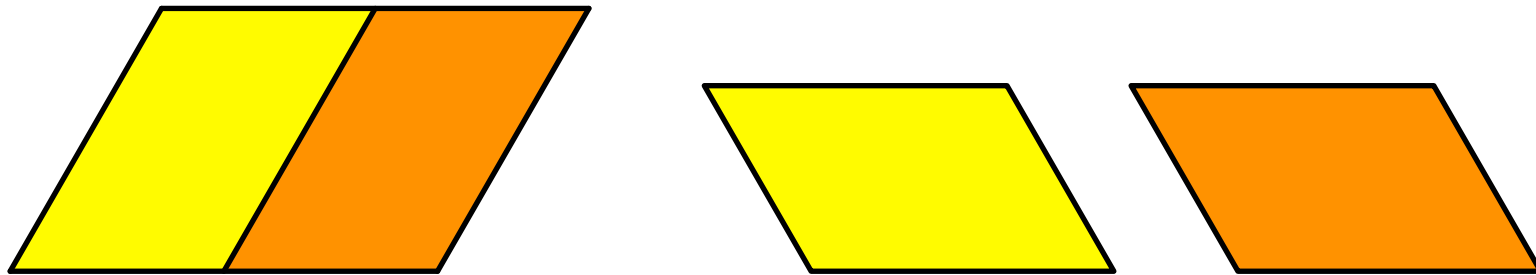


$$\frac{1}{4} + \frac{1}{16} + \frac{1}{64} + \dots = \frac{\frac{1}{4}}{1 - \frac{1}{4}} = \frac{\frac{1}{4}}{\frac{3}{4}} = \frac{1}{3}$$



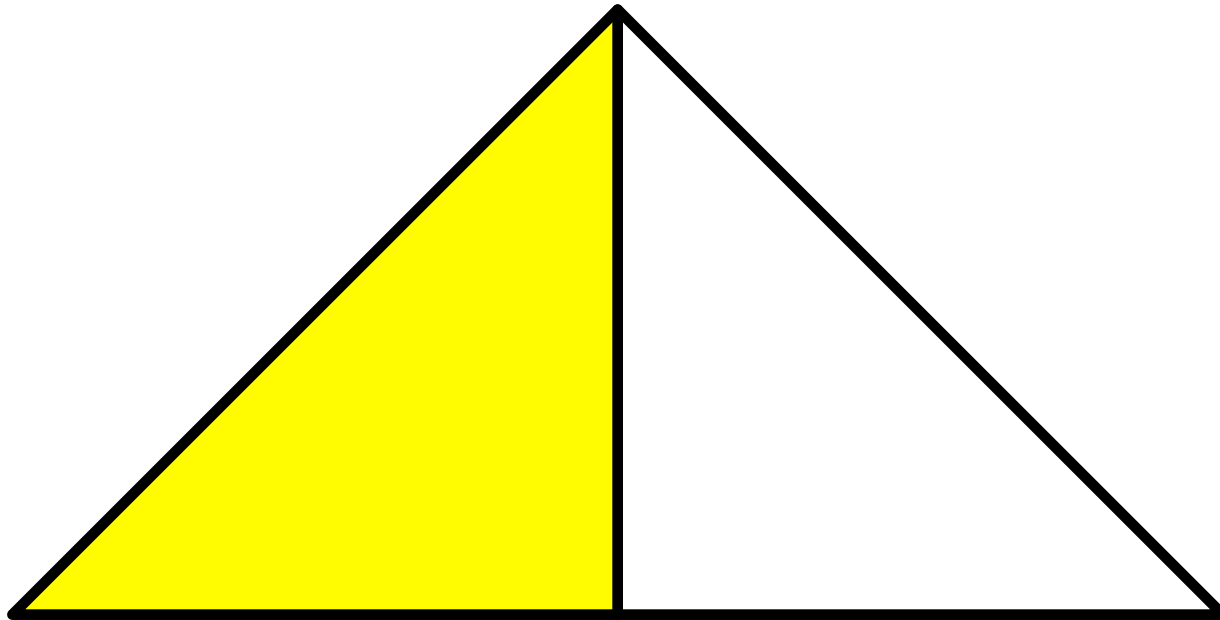
Andere Figuren, die in zwei kongruente, zur Ausgangsfigur
ähnliche Teilfiguren zerlegbar sind?

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ähnliche Teilfiguren zerlegbar sind?

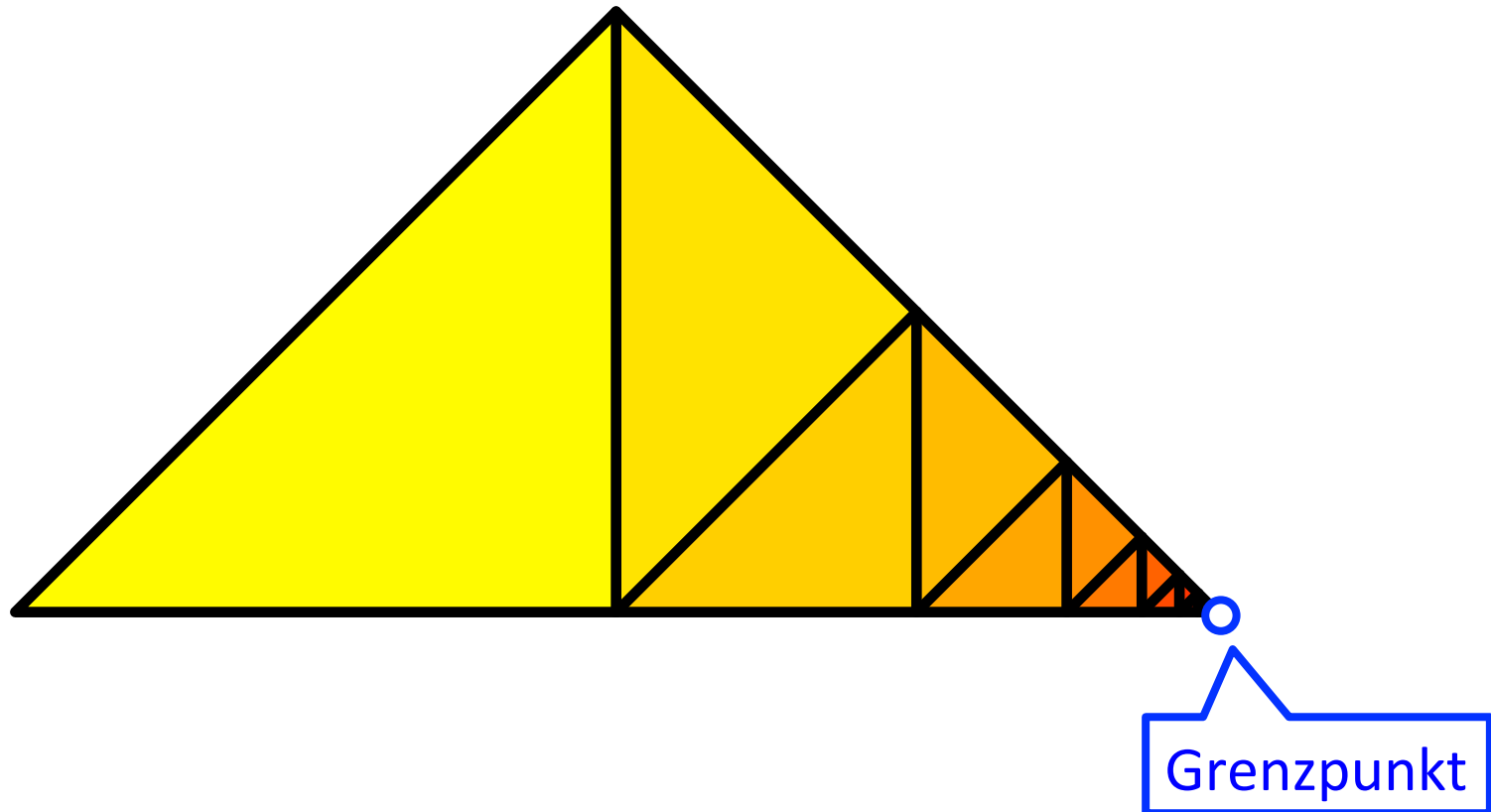


DIN-Parallelogramm: Ungleichsinnig ähnlich

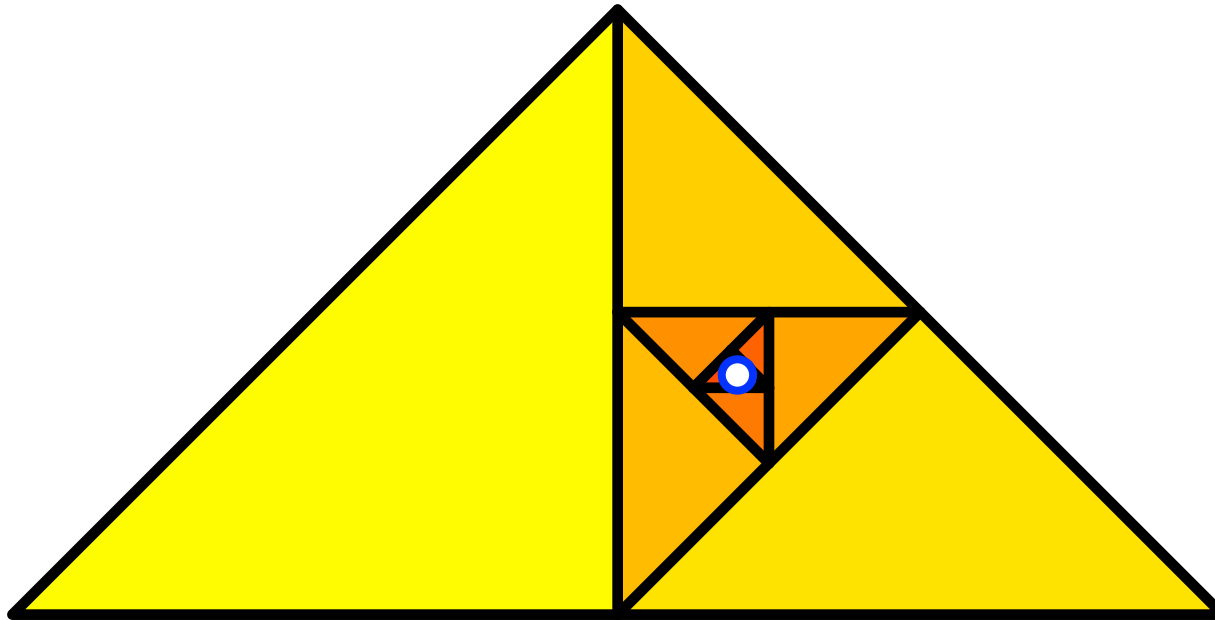
Andere Figuren, die in zwei kongruente, zur Ausgangsfigur ähnliche Teilfiguren zerlegbar sind?



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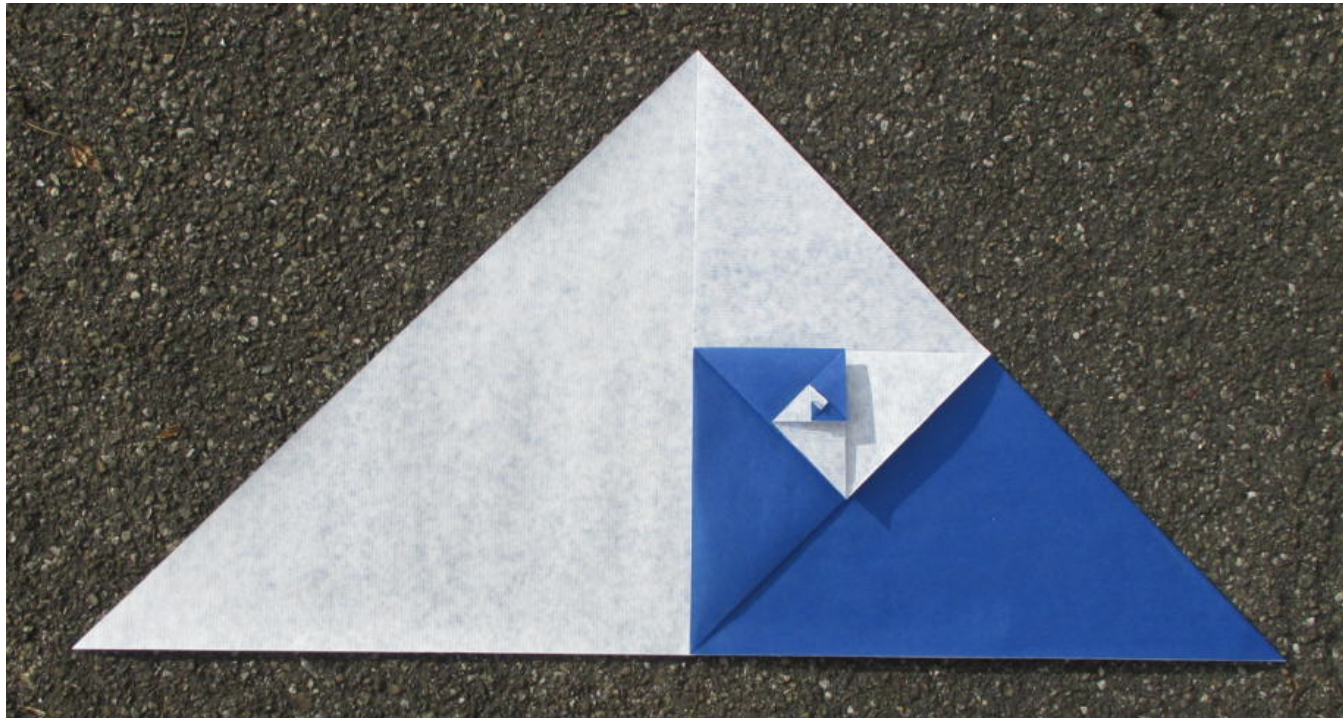


Andere Figuren, die in zwei kongruente, zur Ausgangsfigur ähnliche Teilfiguren zerlegbar sind?



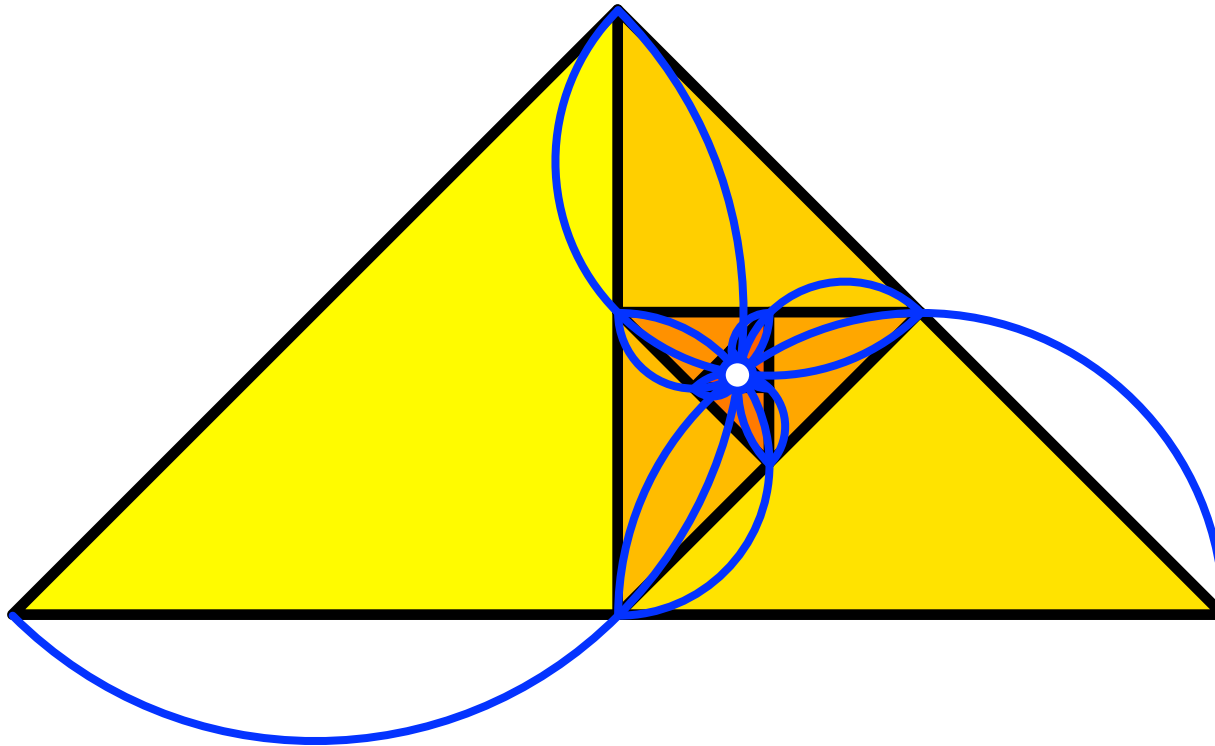
Andere Figuren, die in zwei kongruente, zur Ausgangsfigur ähnliche Teilfiguren zerlegbar sind?

Halbes Origami Papier

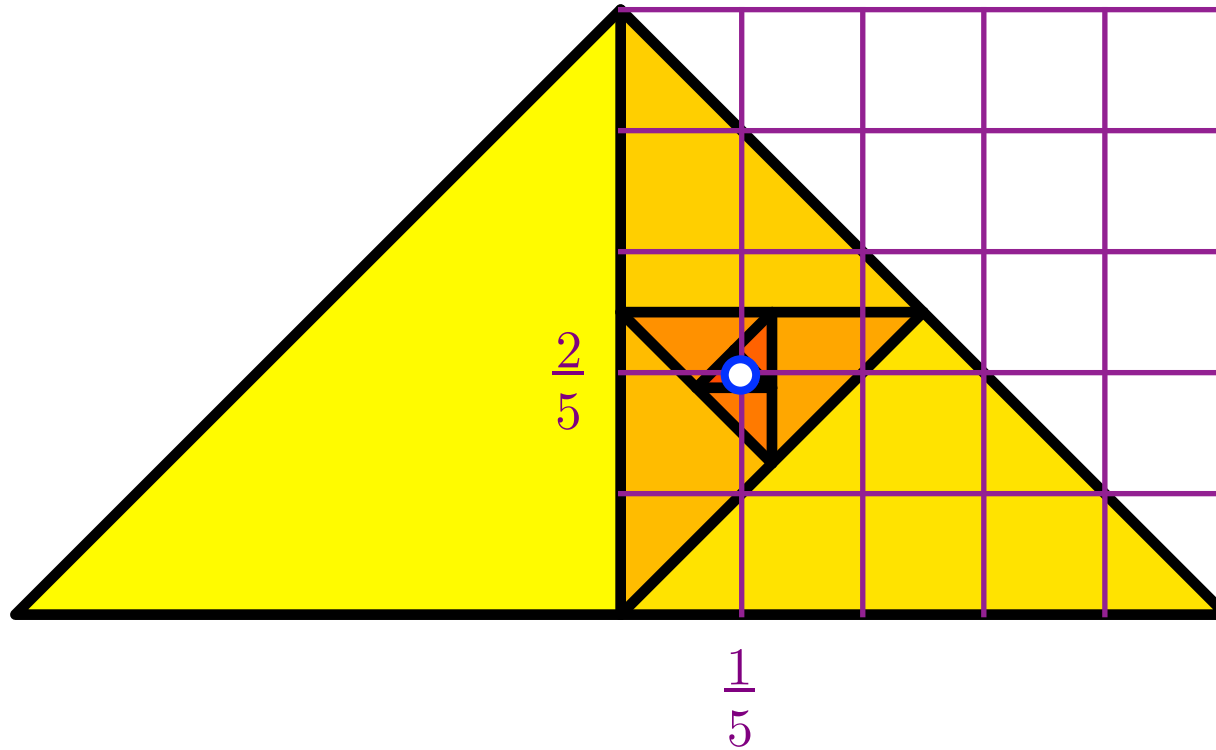


Andere Figuren, die in zwei kongruente, zur Ausgangsfigur ähnliche Teilfiguren zerlegbar sind?

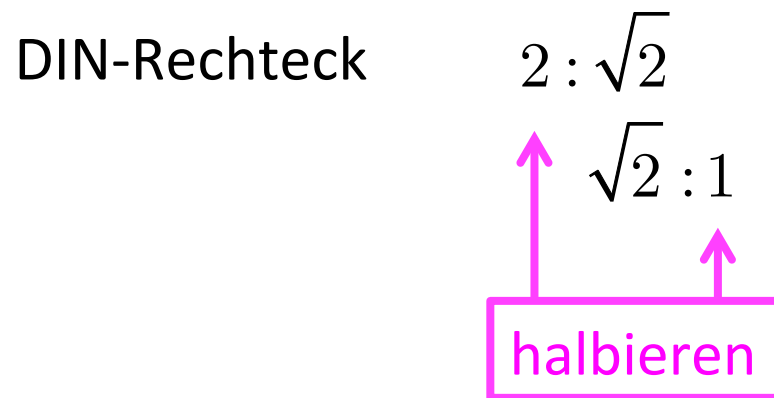
Thaleskreise



Andere Figuren, die in zwei kongruente, zur Ausgangsfigur ähnliche Teilfiguren zerlegbar sind?



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Andere Figuren, die in zwei kongruente, zur Ausgangsfigur ähnliche Teilfiguren zerlegbar sind?

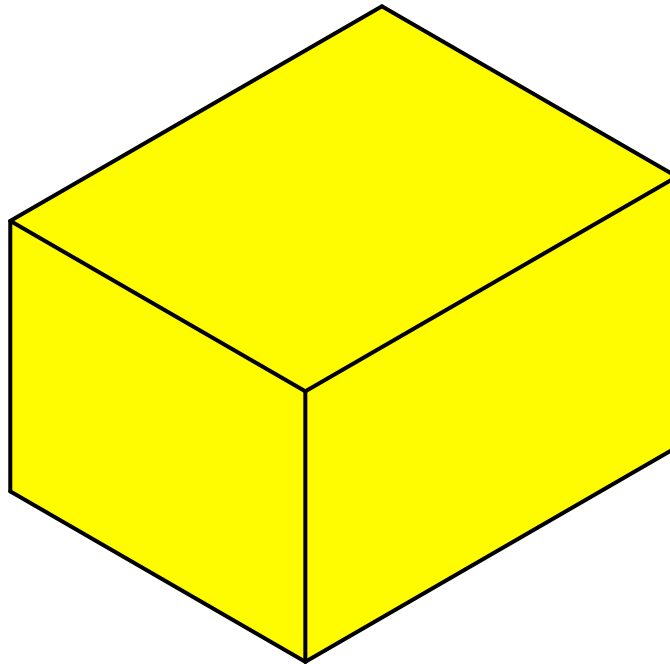
DIN-Rechteck $2 : \sqrt{2}$
 $\sqrt{2} : 1$

DIN-Quader $2 : \sqrt[3]{4} : \sqrt[3]{2}$
 $\sqrt[3]{4} : \sqrt[3]{2} : 1$

Delisches Problem

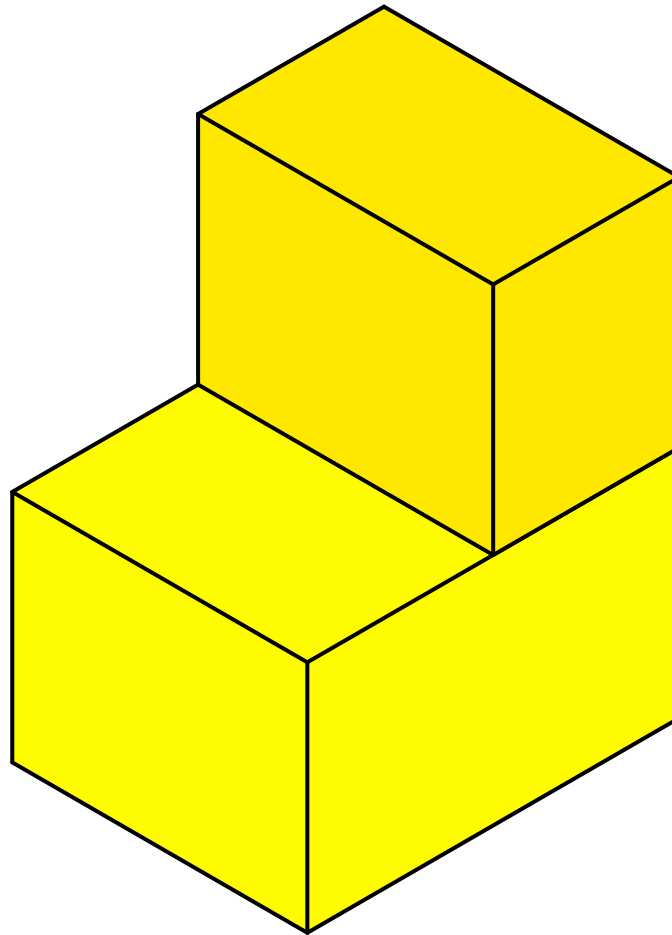
halbieren

DIN-Quader

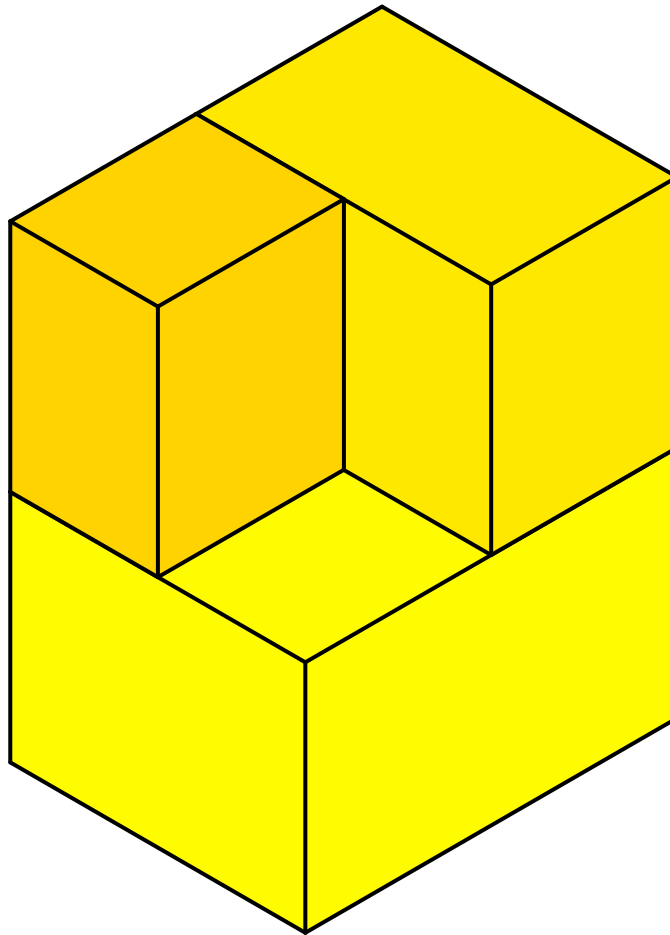


(Holzmodell)

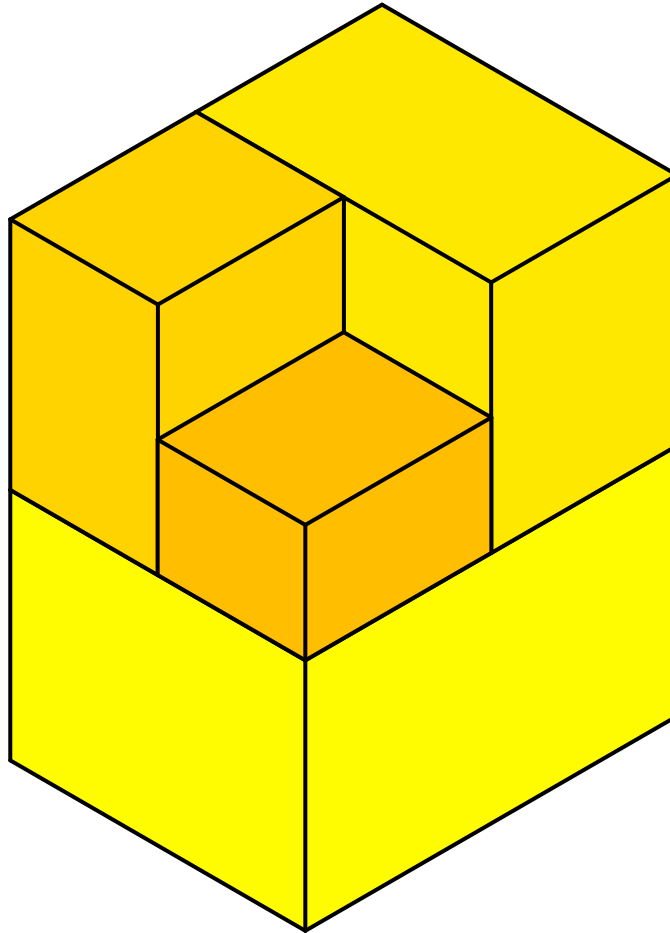
DIN-Quader



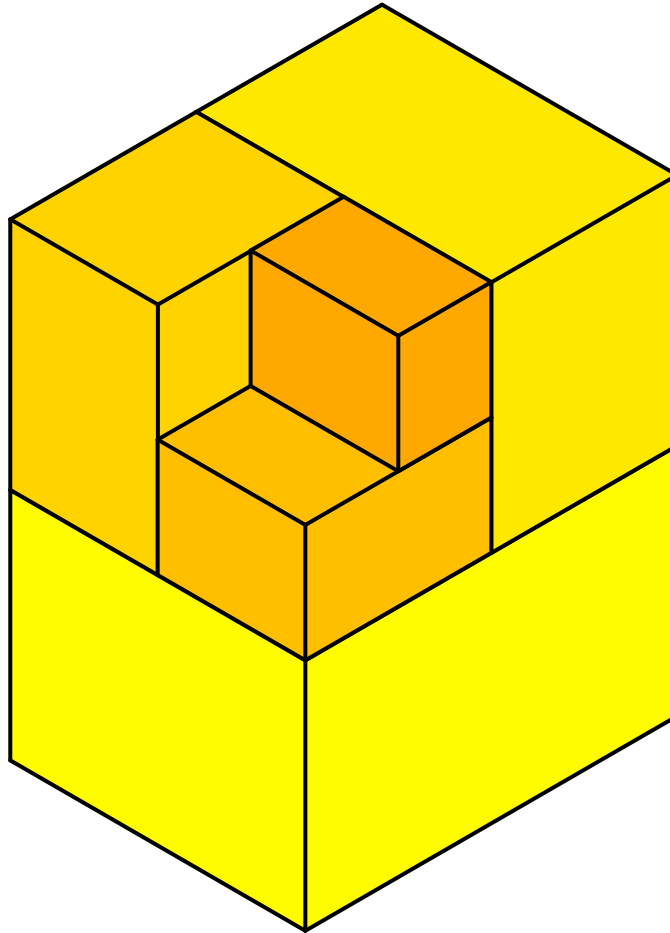
DIN-Quader



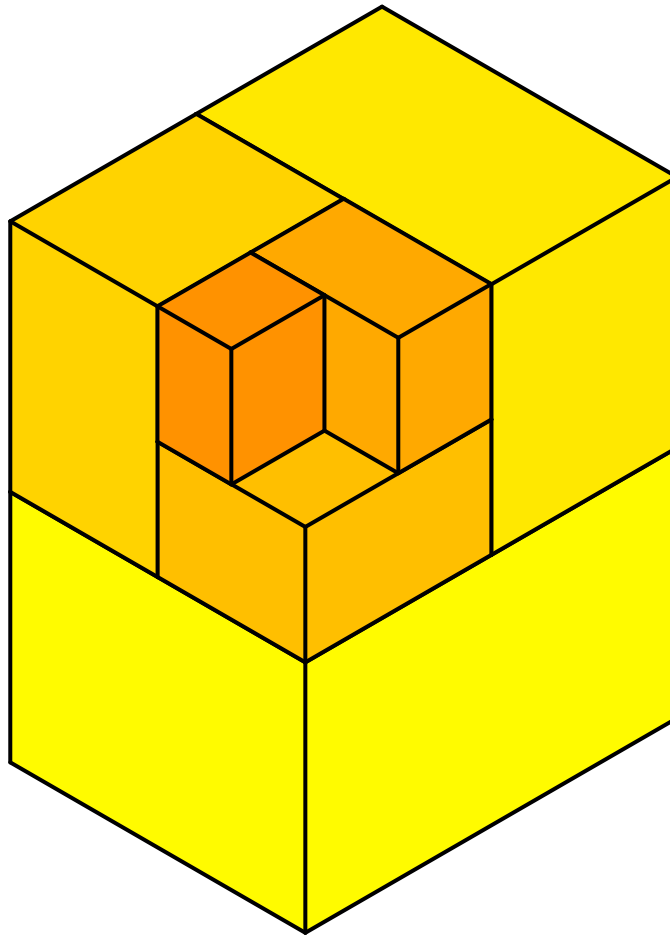
DIN-Quader



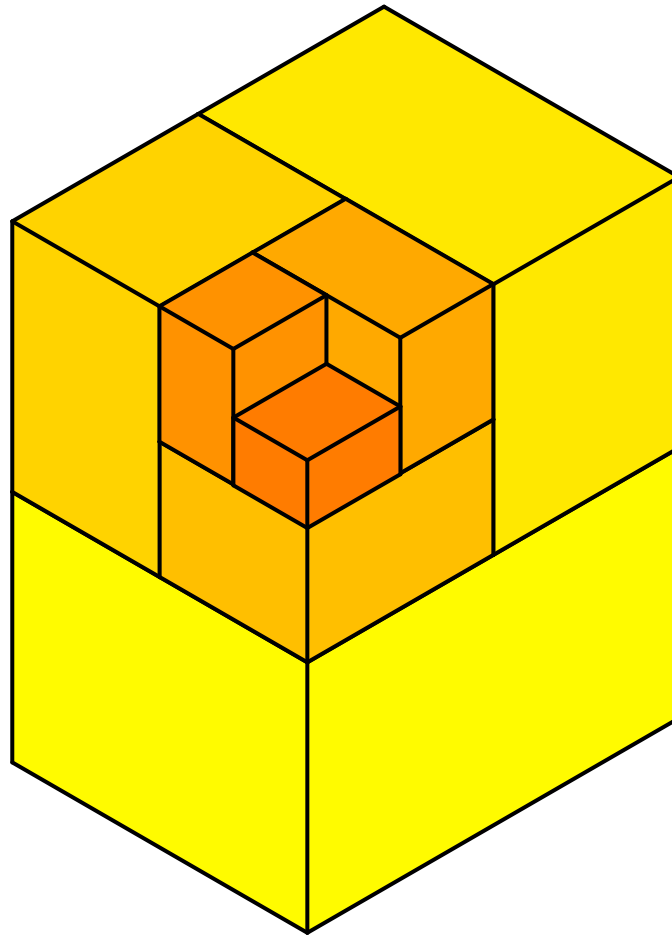
DIN-Quader



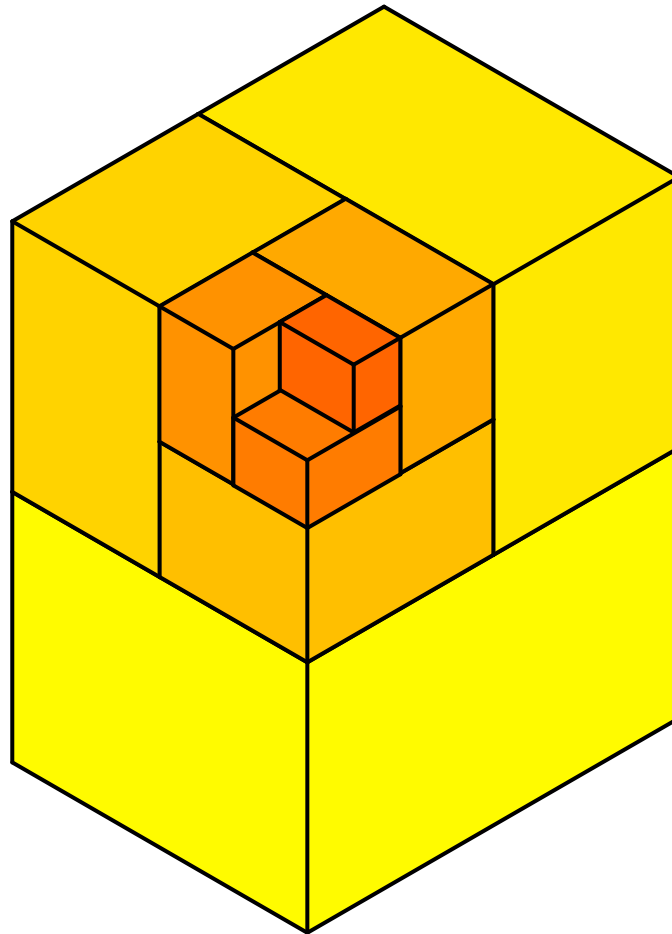
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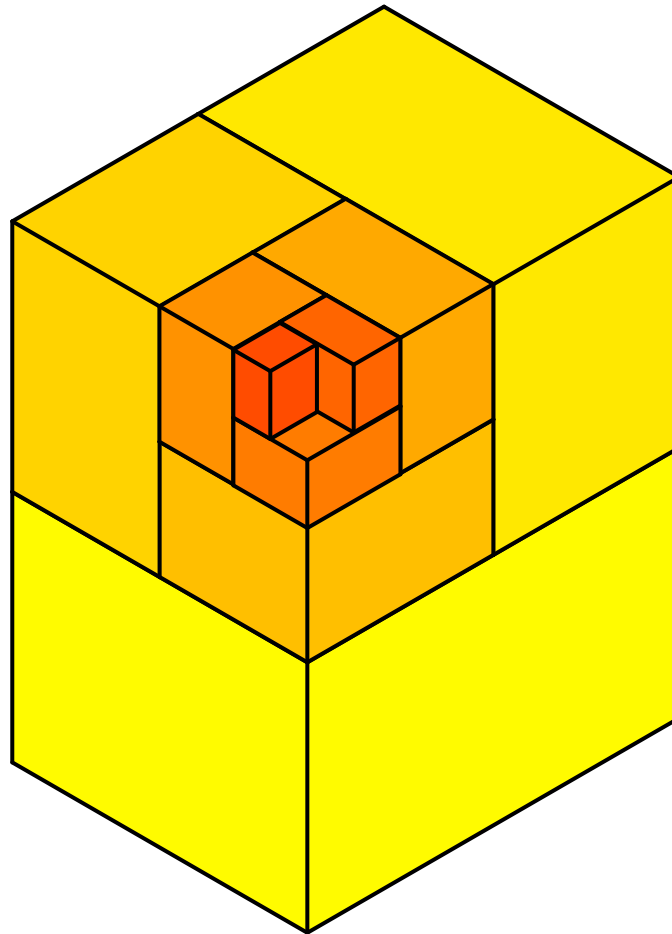
DIN-Quader



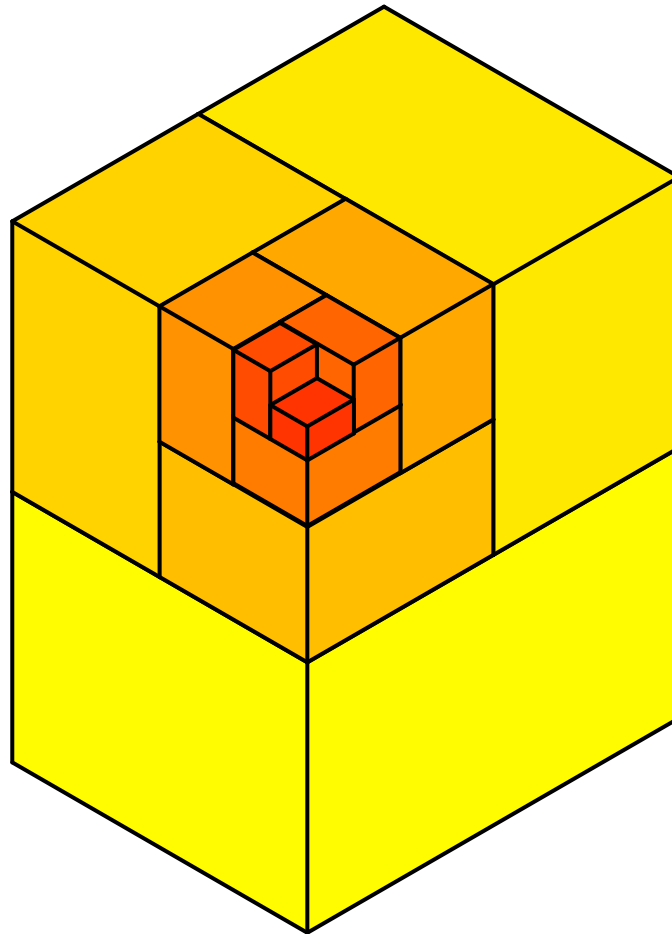
DIN-Quader



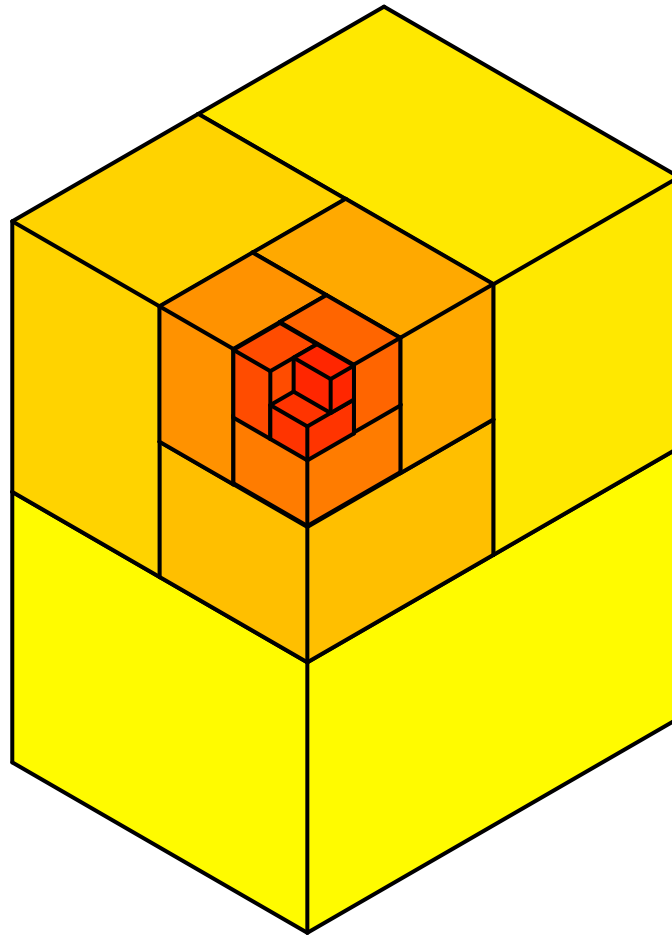
DIN-Quader



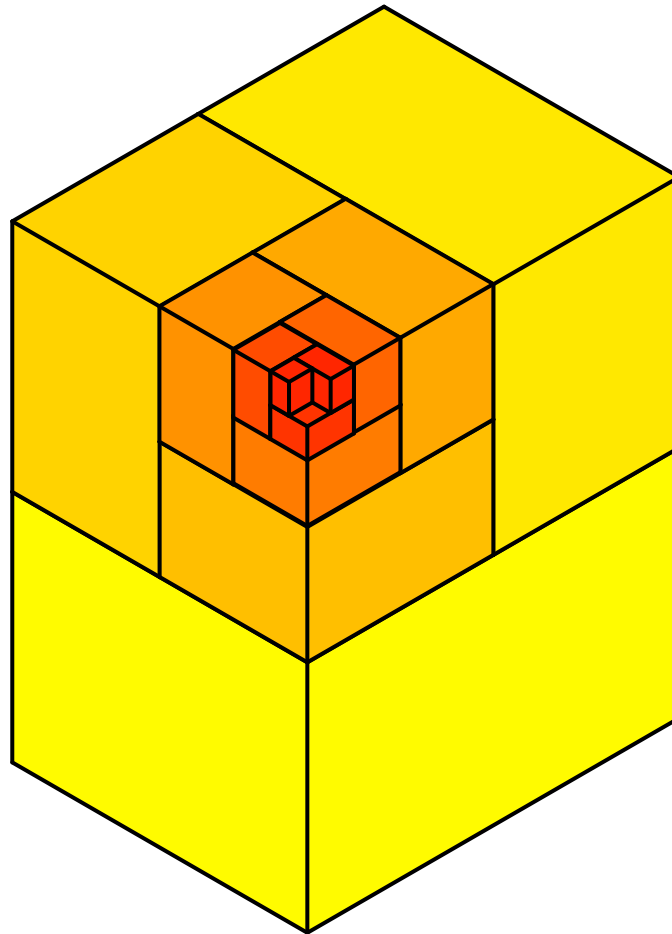
DIN-Quader



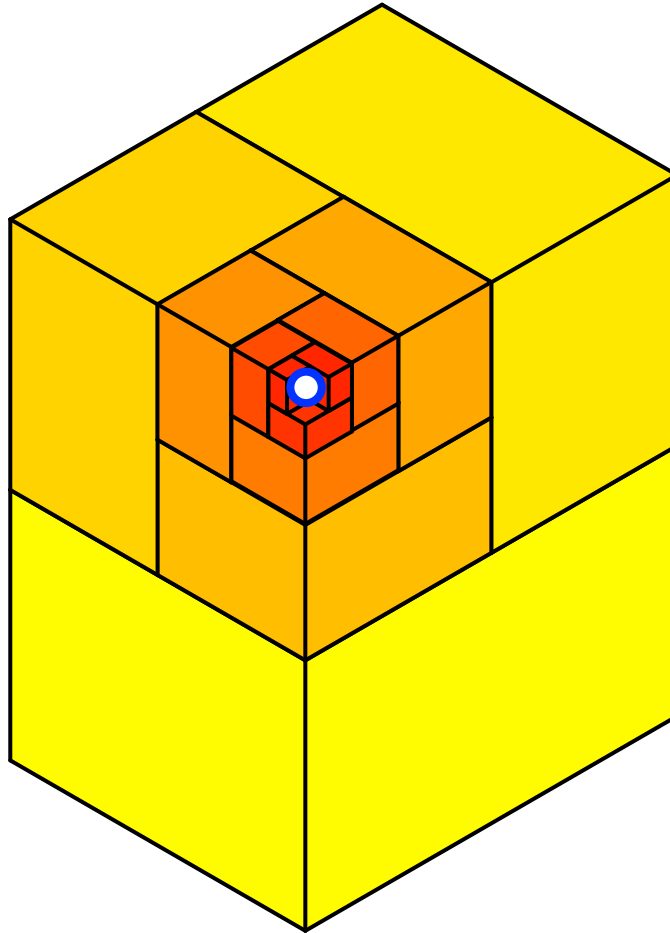
DIN-Quader



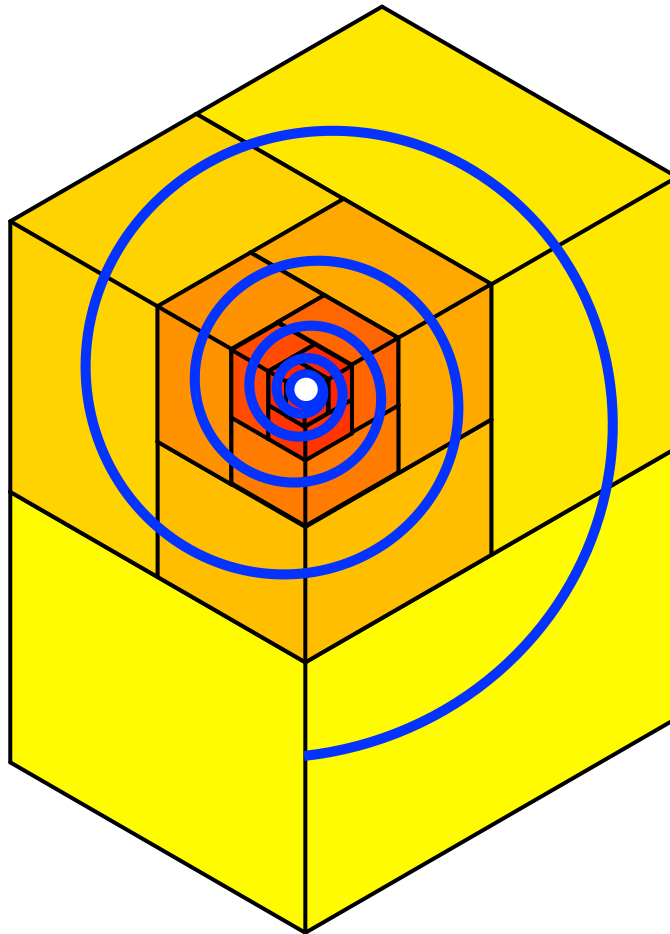
DIN-Quader



DIN-Quader



DIN-Quader
Schnecke



DIN-Quader
Schnecke



DIN-Quader
Schnecke



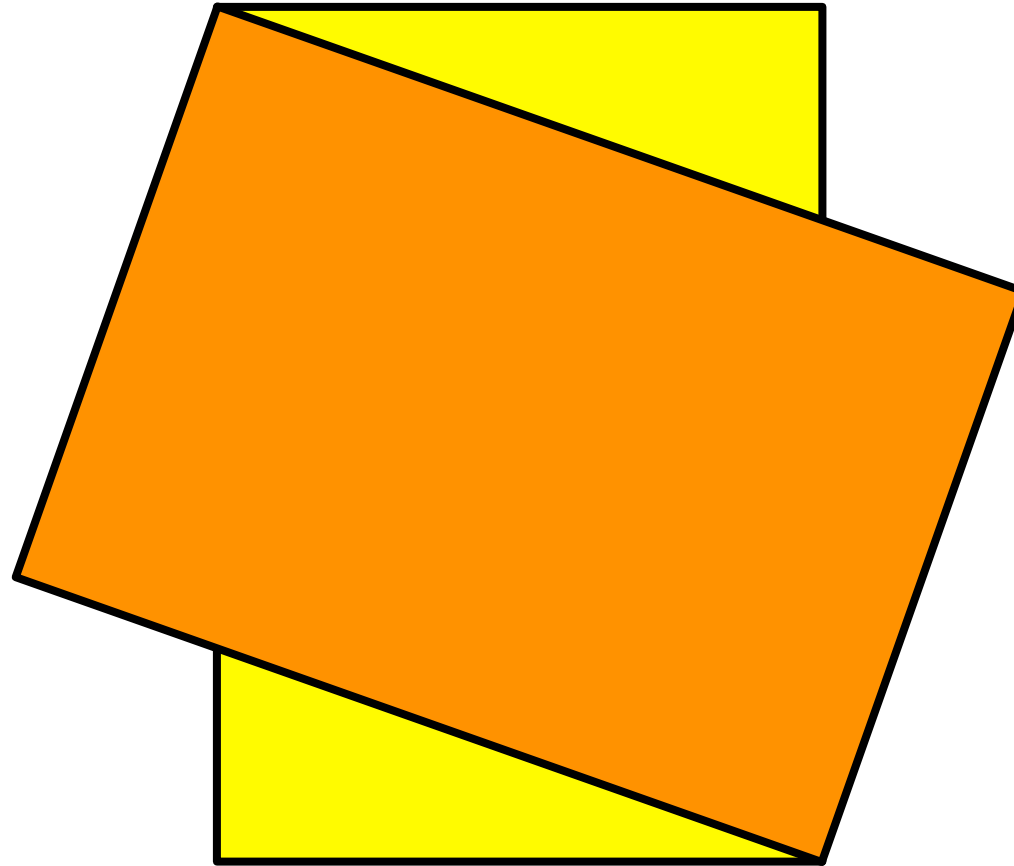
DIN-Quader
Schnecke
Jura



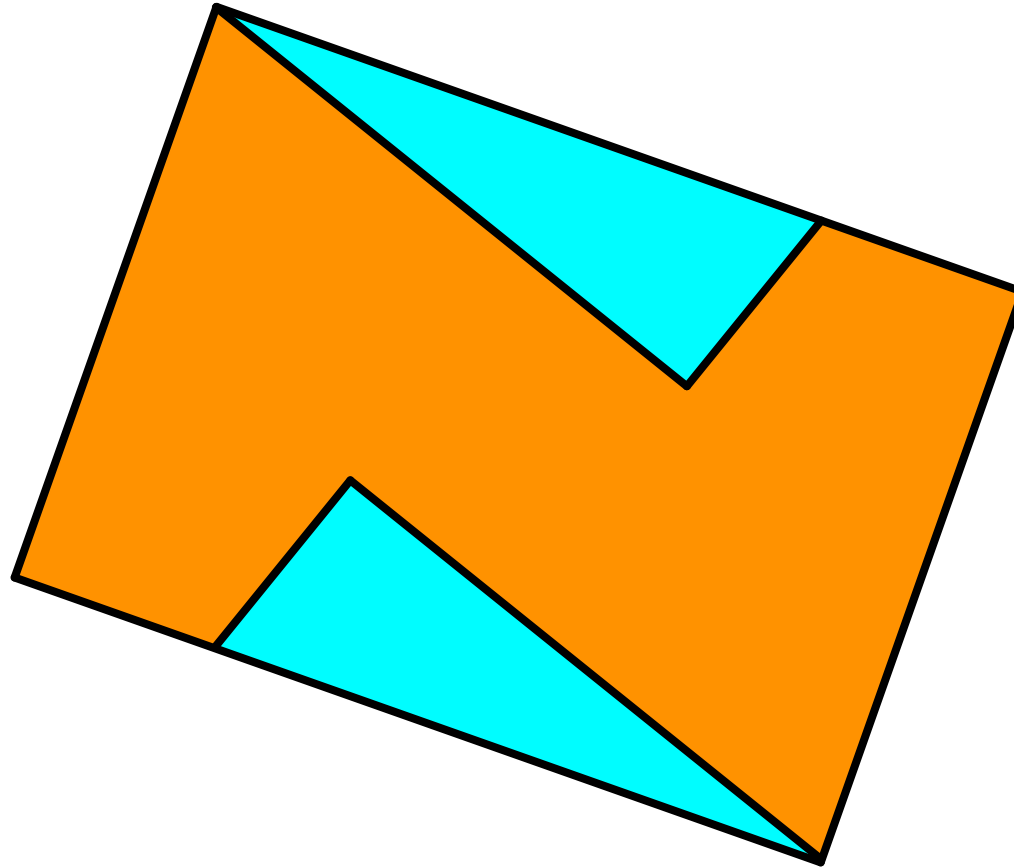
Kantenmodell des Würfels



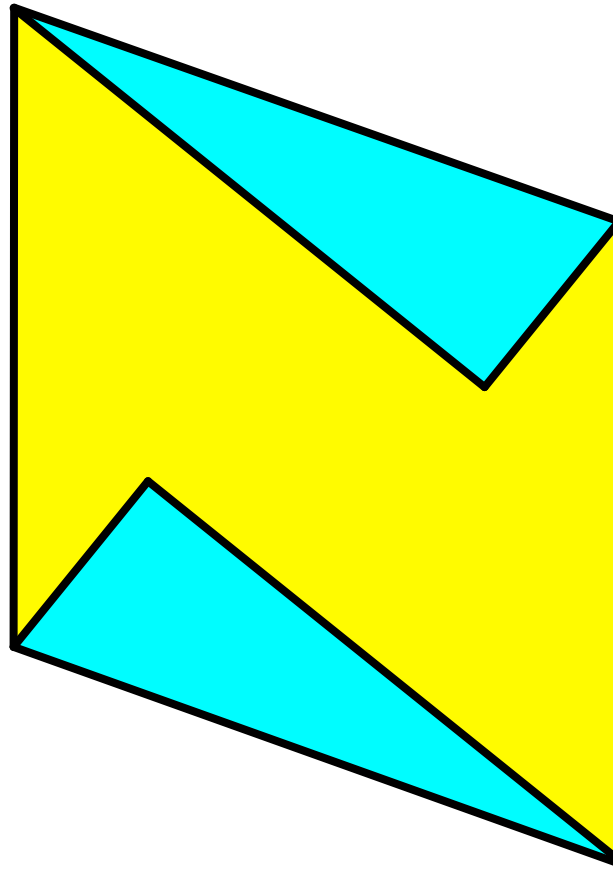
Kantenmodell des Würfels



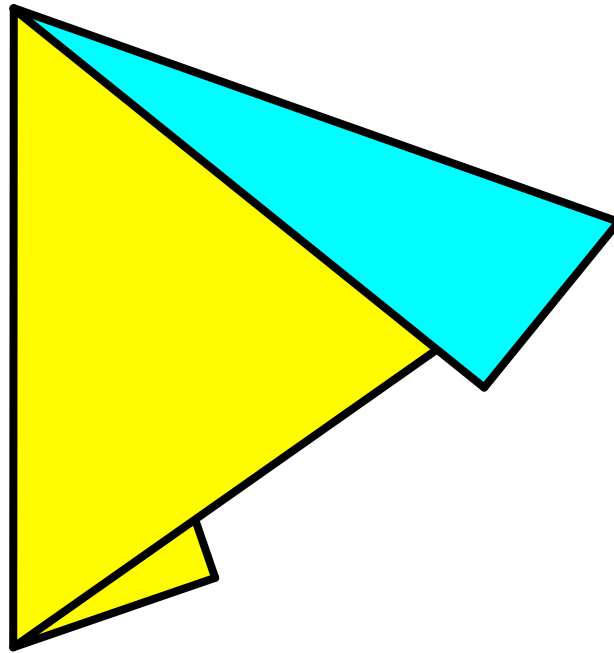
Kantenmodell des Würfels



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Kantenmodell des Würfels



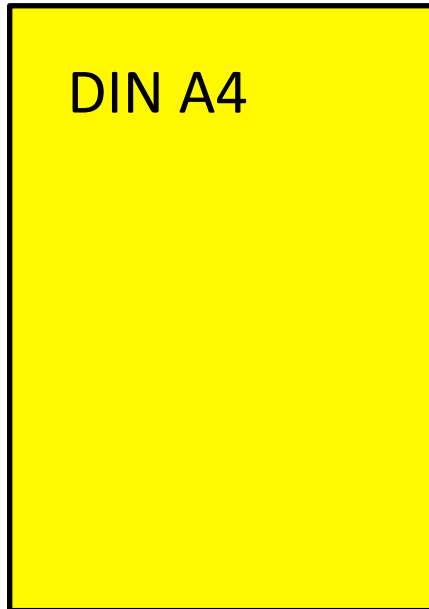
Kantenmodell des Würfels



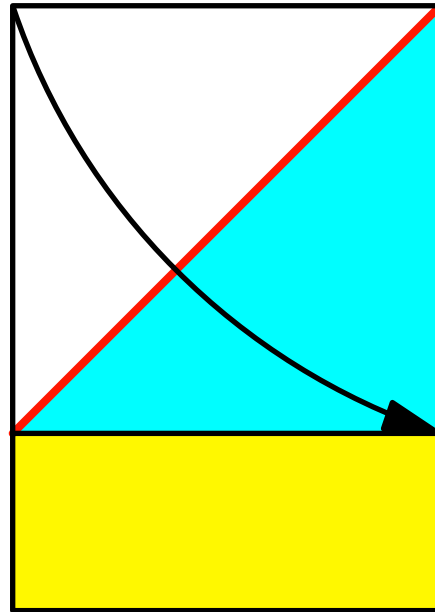
Kantenmodell des Tetraeders



Quadratdiagonale

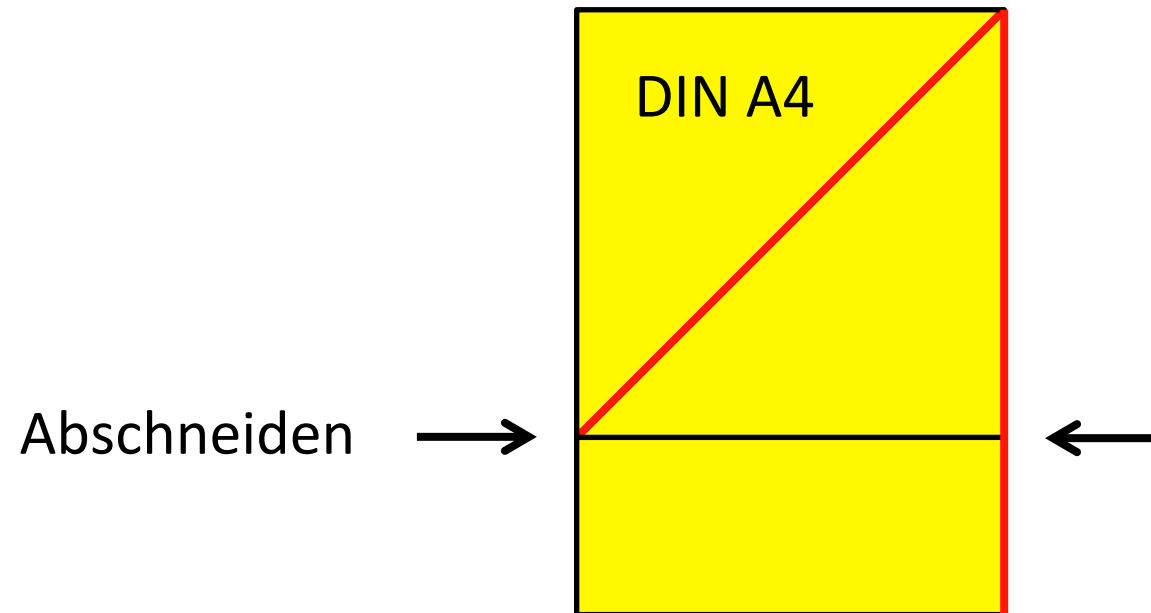


Quadratdiagonale

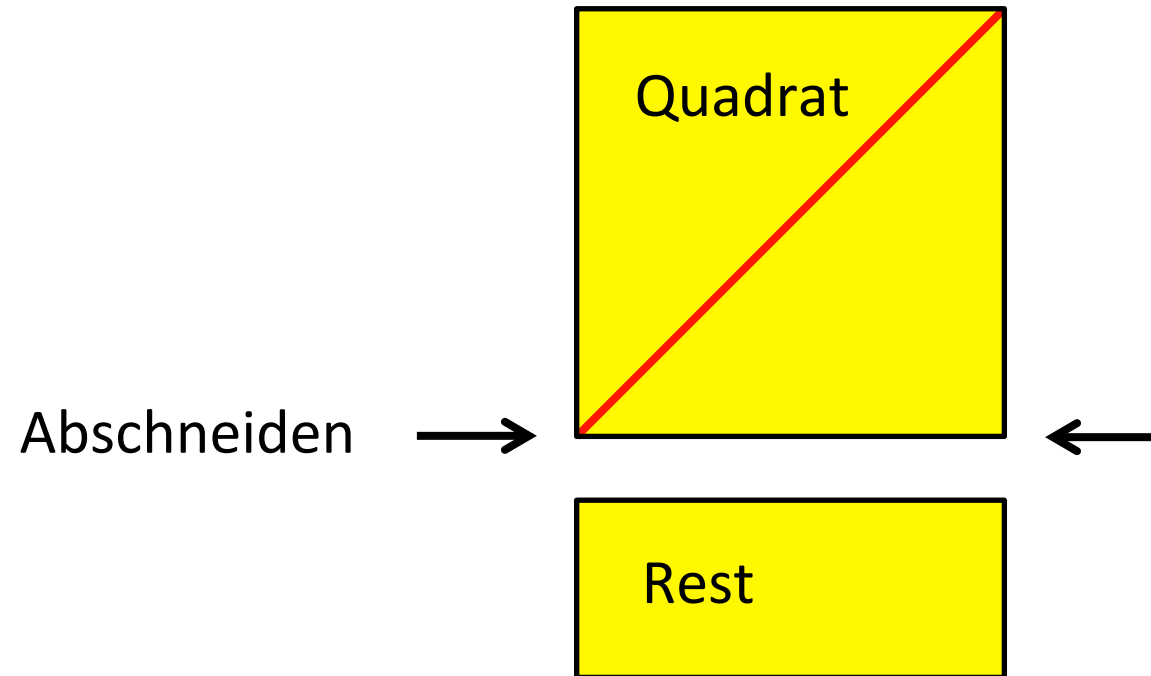


Quadratdiagonale und lange Seite gleich lang

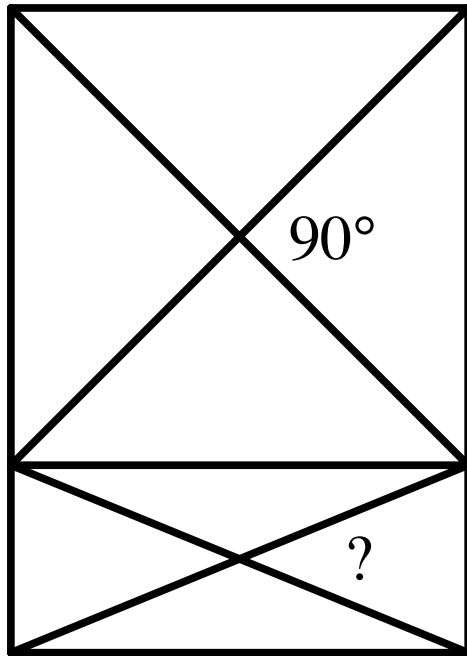
Es passt!



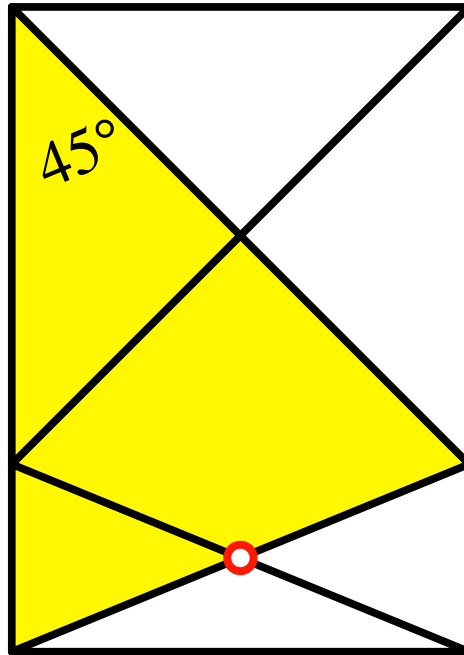
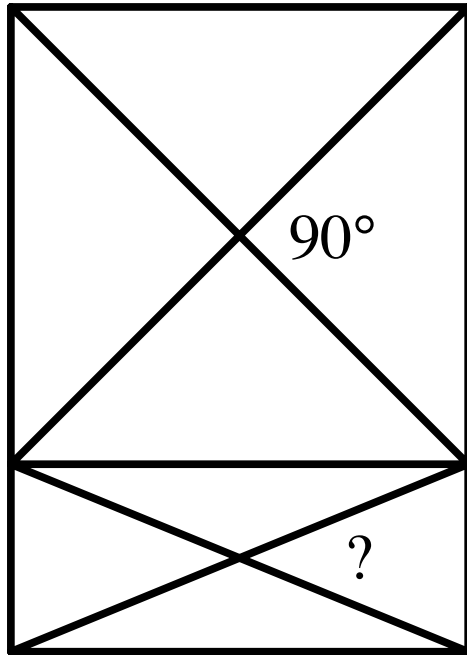
Quadrat und Rest



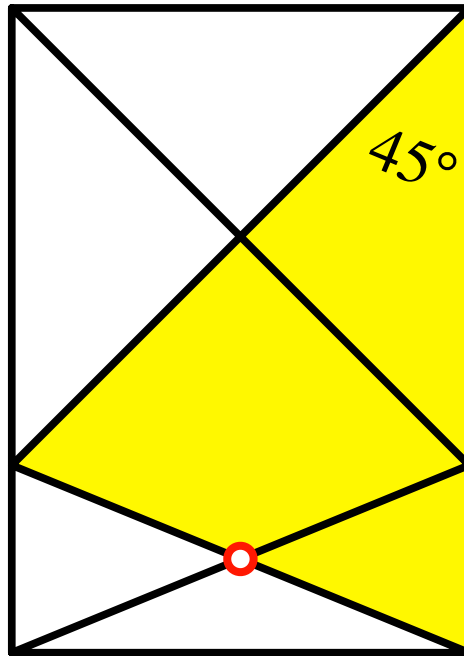
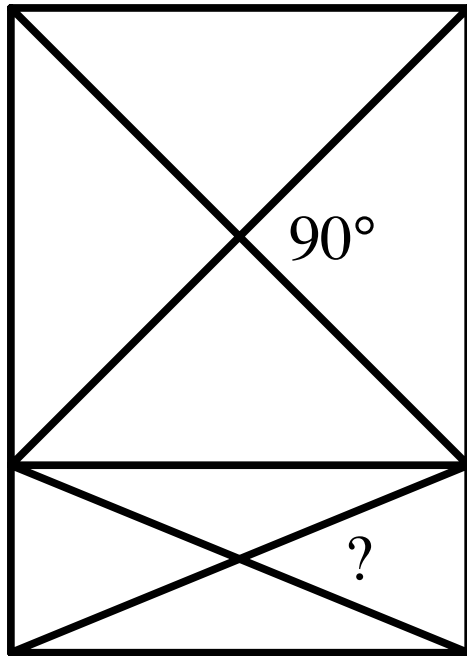
Diagonalenschnittwinkel im Silbernen Rechteck?



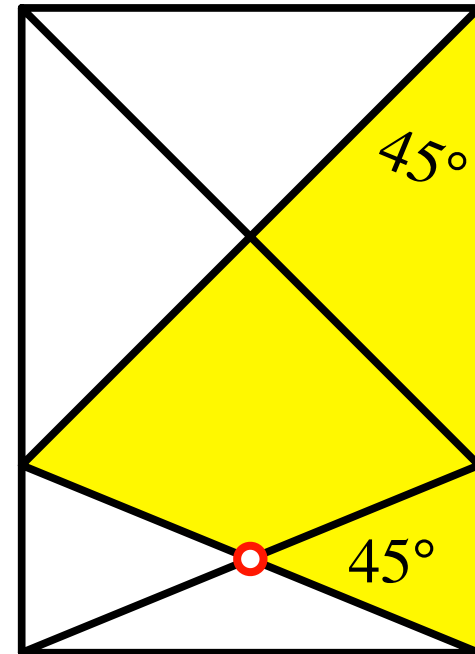
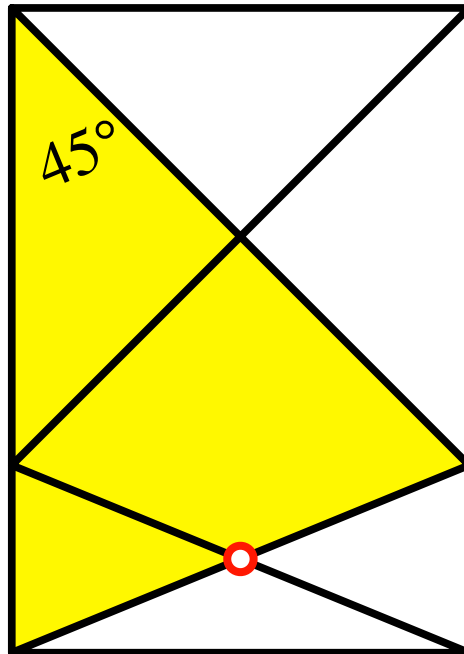
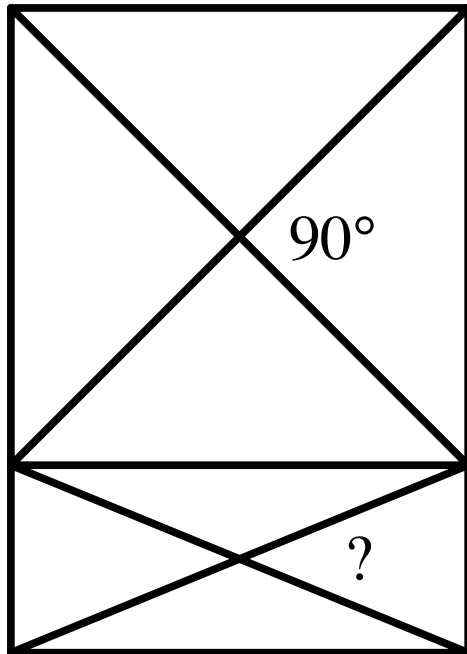
Diagonalenschnittwinkel im Silbernen Rechteck?
(Jakob Brunner)



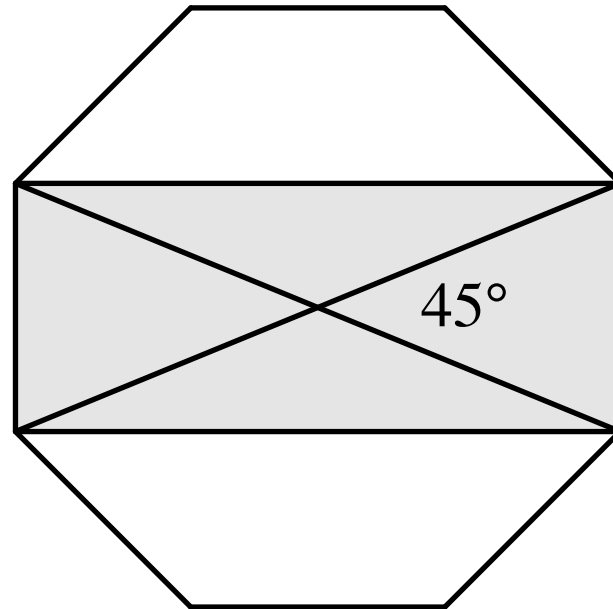
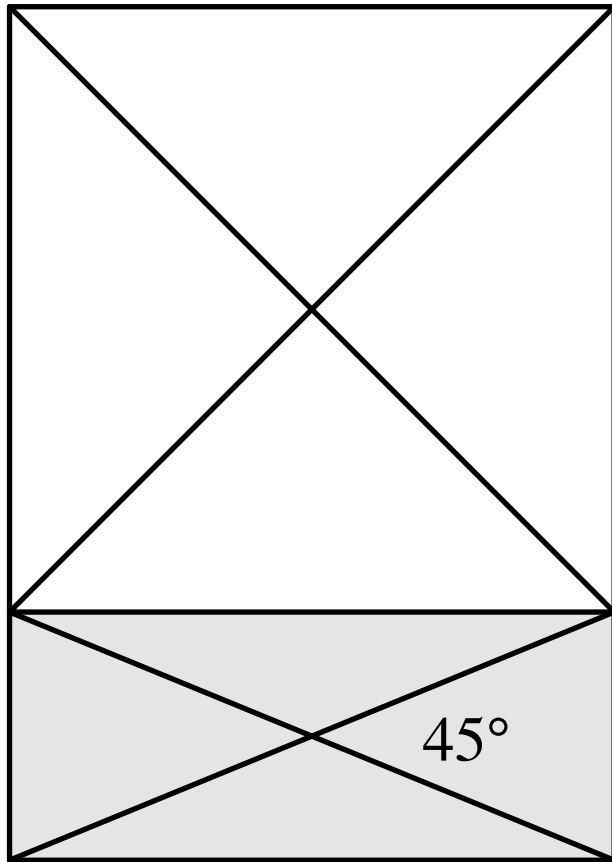
Diagonalenschnittwinkel im Silbernen Rechteck?
(Jakob Brunner)



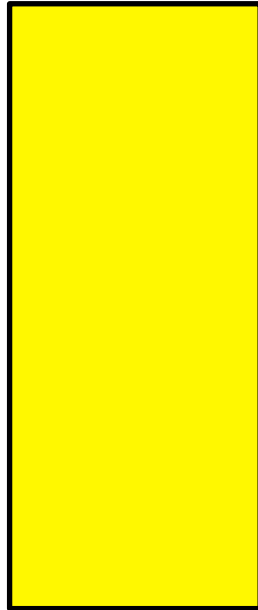
Diagonalenschnittwinkel im Silbernen Rechteck?
(Jakob Brunner)



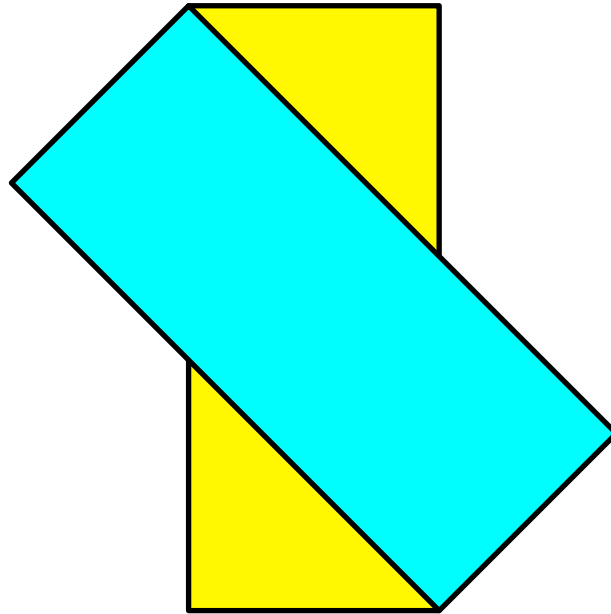
Achteck



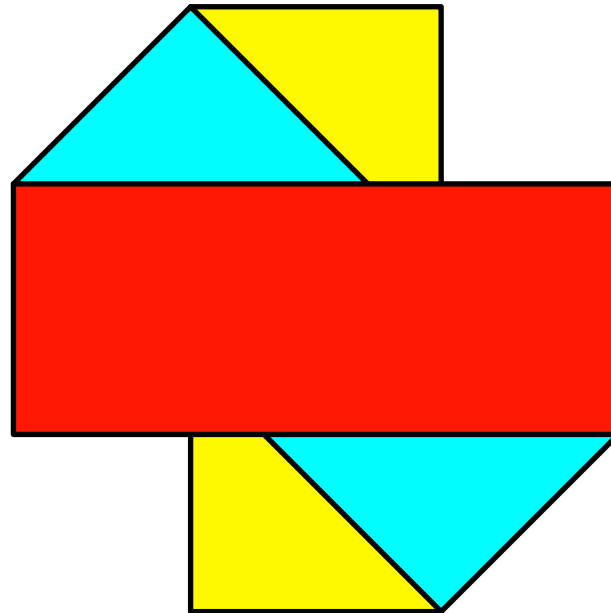
Nur noch das Kleine



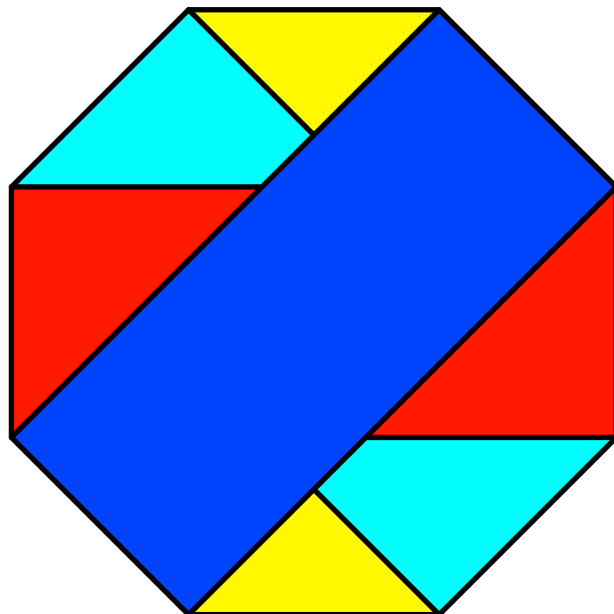
Zwei Kleine



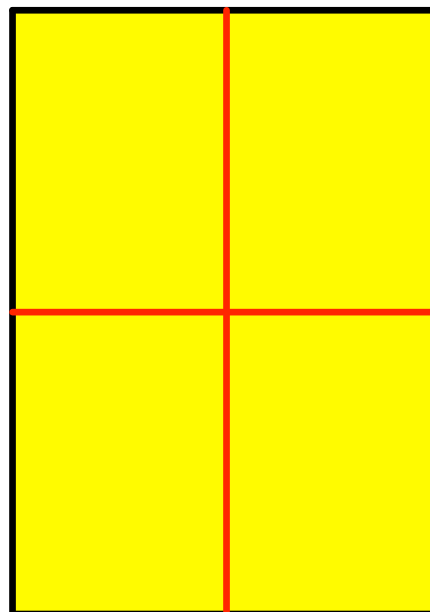
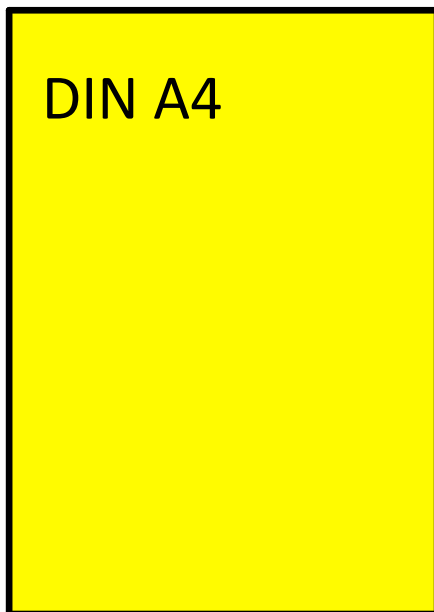
Drei Kleine



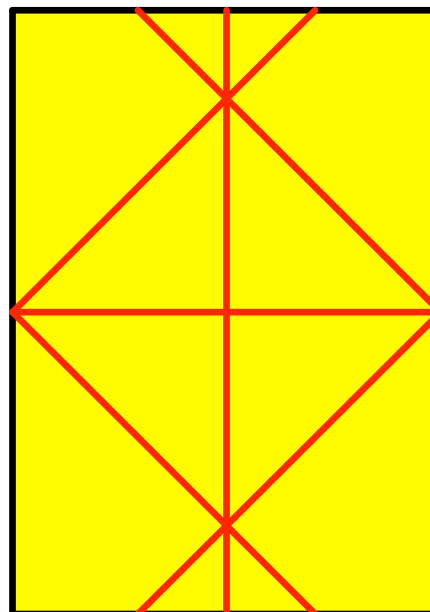
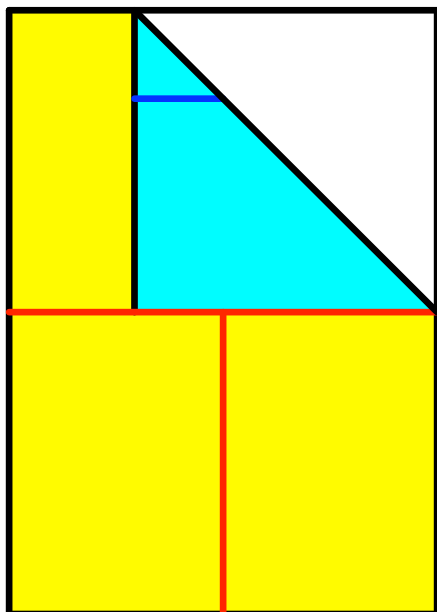
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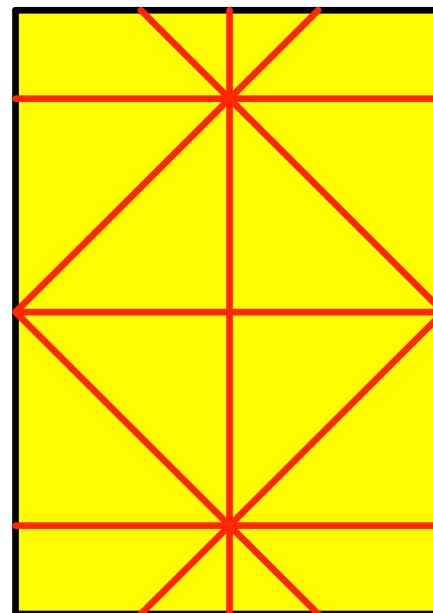
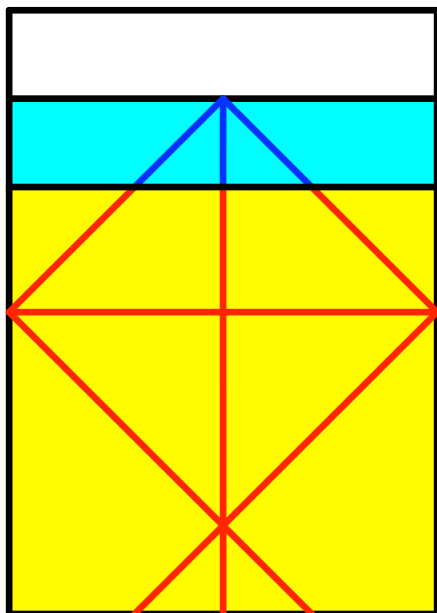
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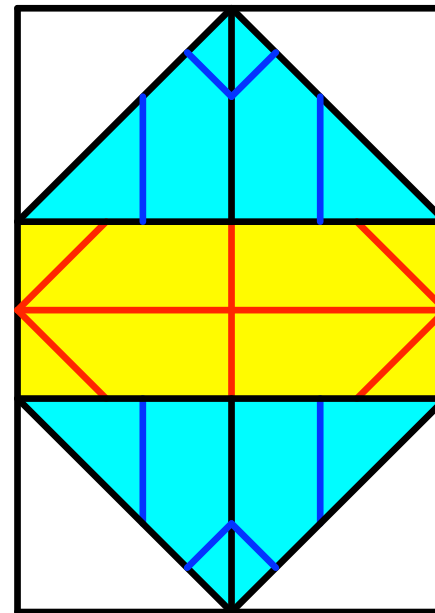
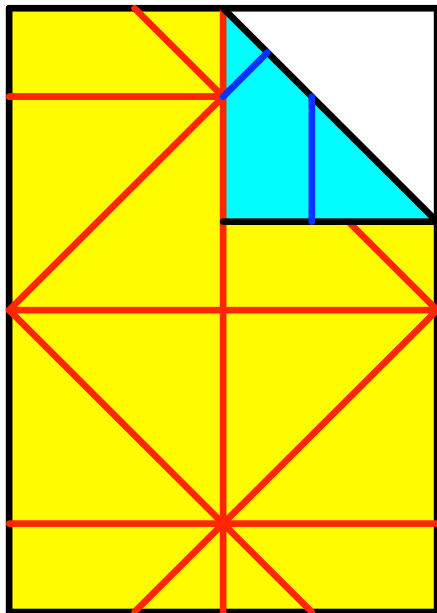
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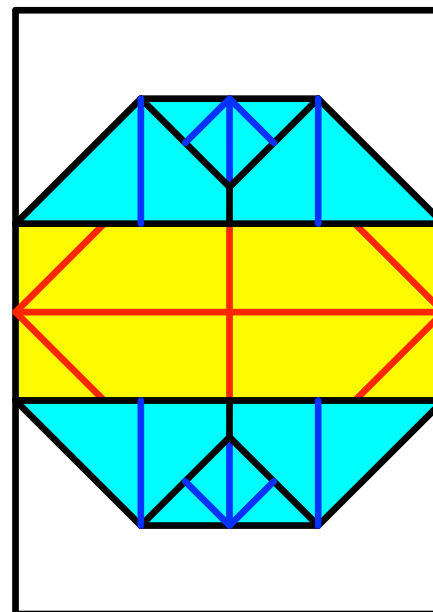
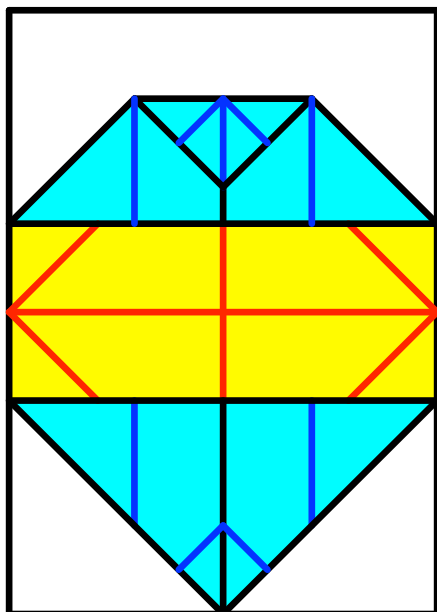
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Achteck falten



Achteck falten



Achteck falten

