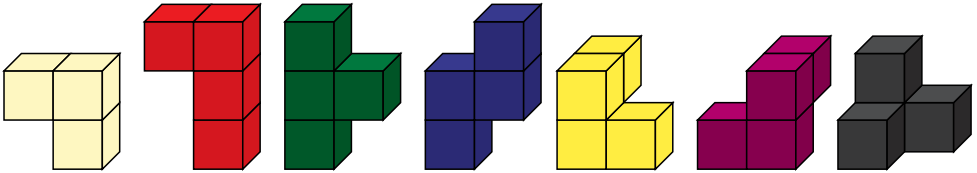


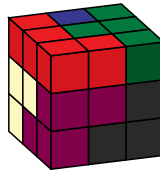
SOMA-Würfel

Einführung

Der SOMA-Würfel besteht aus sieben Somasteinen:

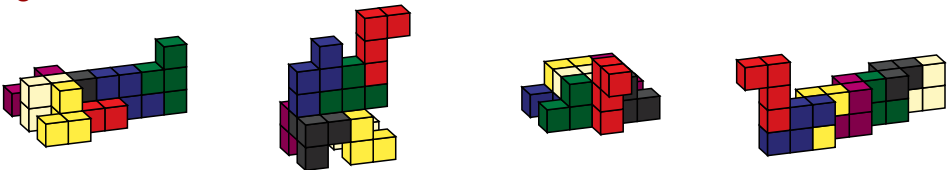


Das Grundproblem des SOMA-Würfels ist es, aus den sieben Einzelteilen einen Würfel zusammenzusetzen:



Es gibt 240 Lösungen für dieses Problem. Eine dieser Lösungen ist auf der Karte 23 abgebildet.

Aus den SOMA-Würfelteilen kann man aber auch viele andere Figuren bauen:



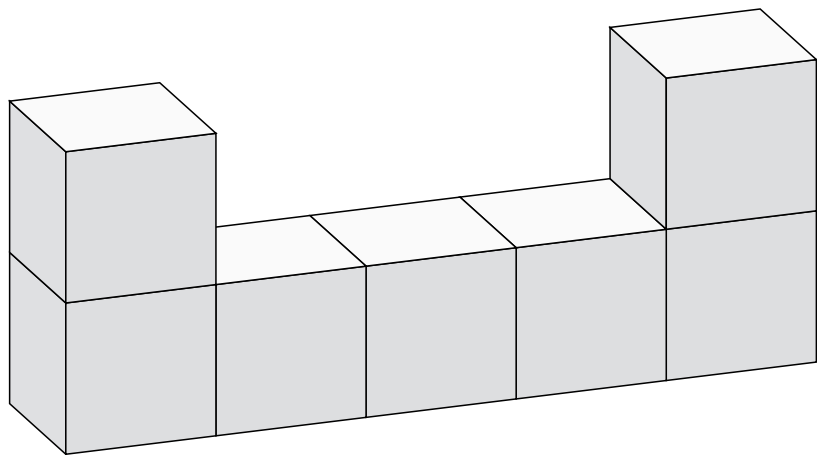
Hinweis

Bei den Aufgabenkarten sind auf der Rückseite die Lösungen abgedruckt. Versuche aber zuerst die Aufgabe alleine zu lösen.



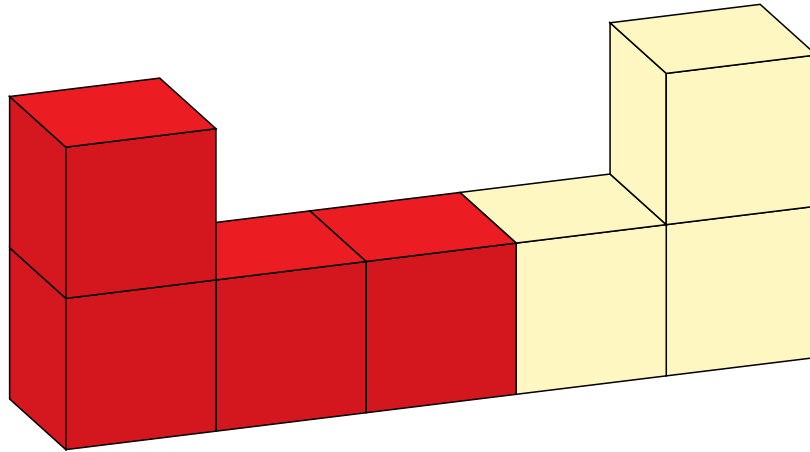
Somafiguren

Aufgabe: Baue das Kanu aus zwei Somateilen.



Kanu

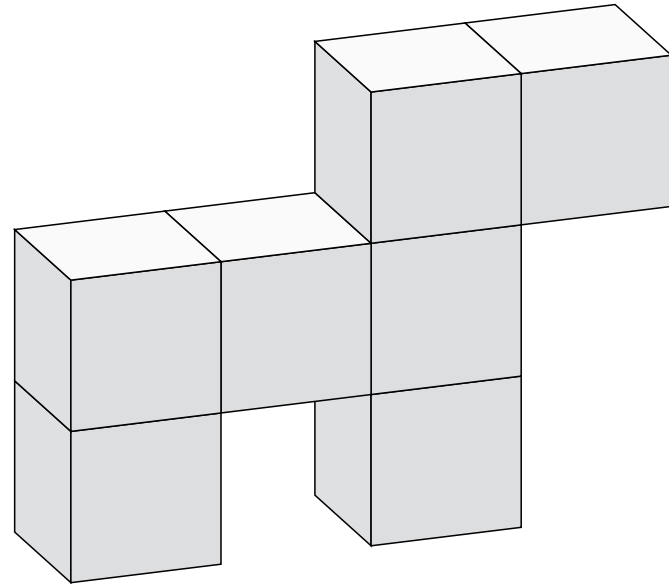






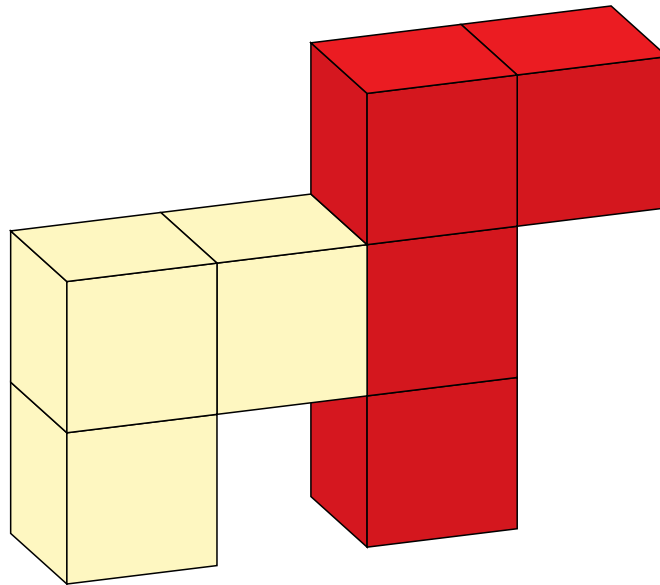
Somafiguren

Aufgabe: Baue den Hund aus zwei Somateilen.



Hund

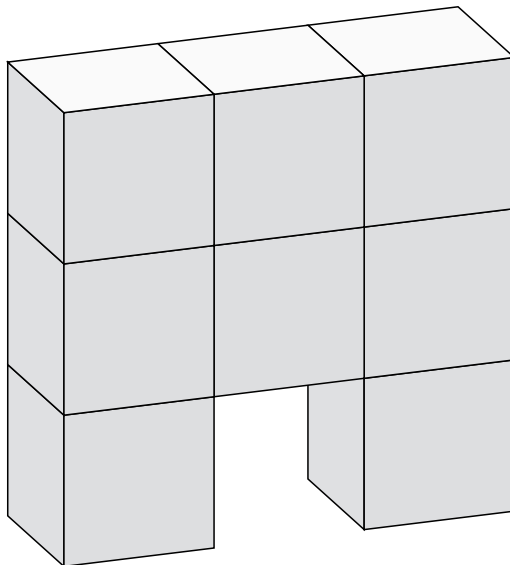


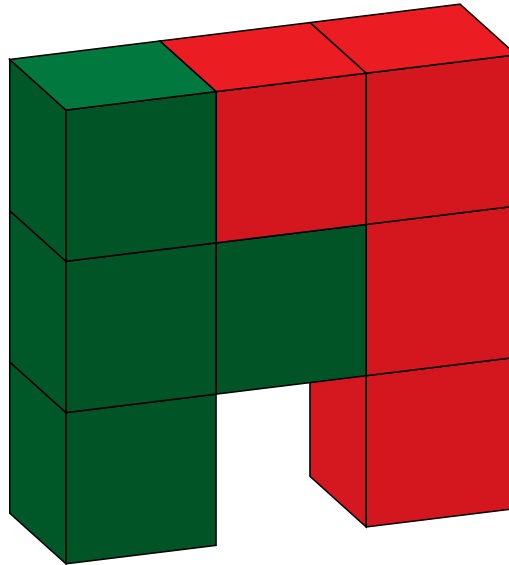




Somafiguren

Aufgabe: Baue das Mauselloch aus zwei Somateilen.

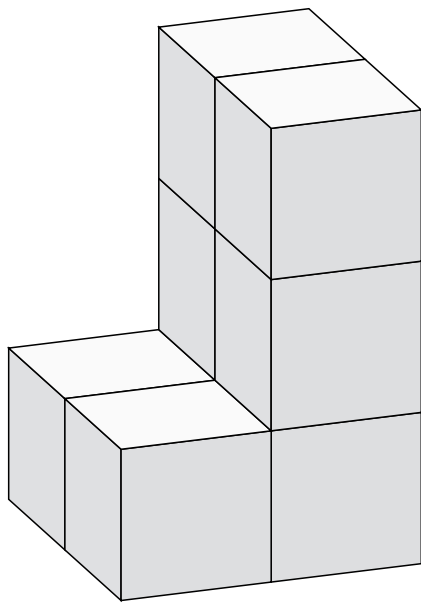






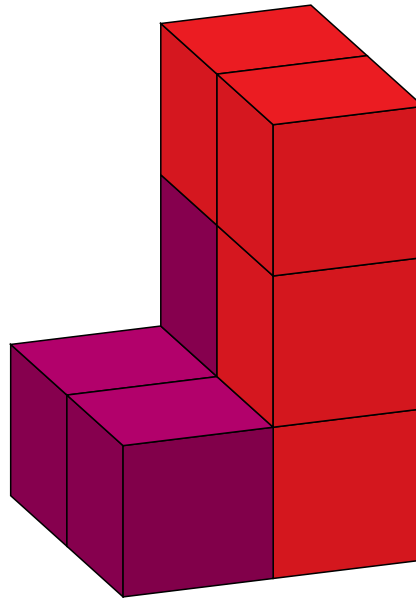
Somafiguren

Aufgabe: Baue den Stuhl aus zwei Somateilen.



Stuhl

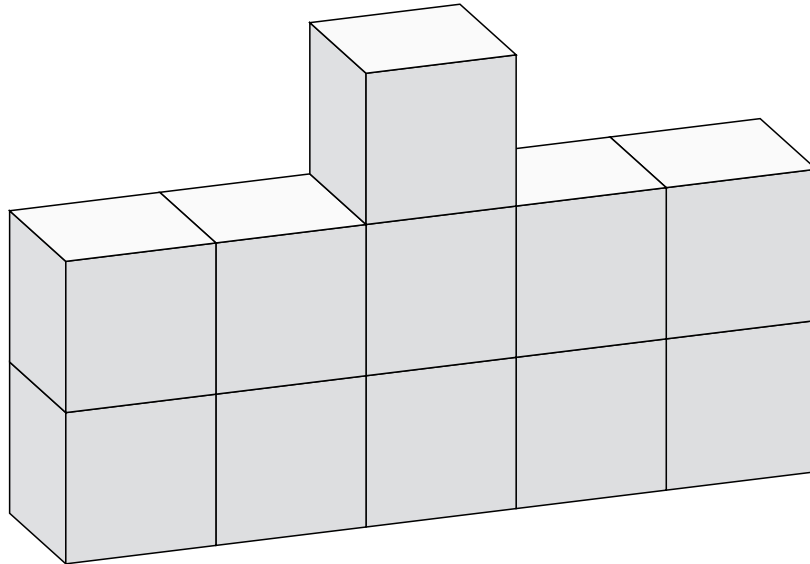






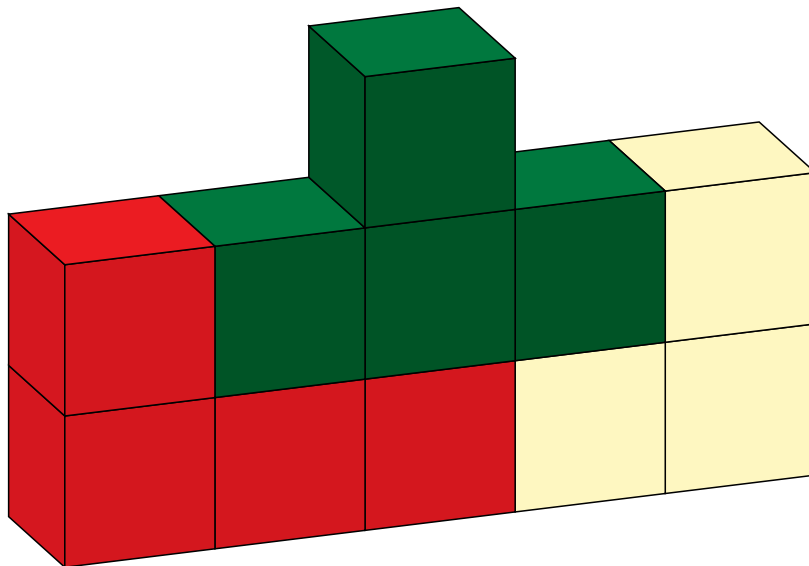
Somafiguren

Aufgabe: Baue den Topfdeckel aus drei Somateilen.



Topfdeckel

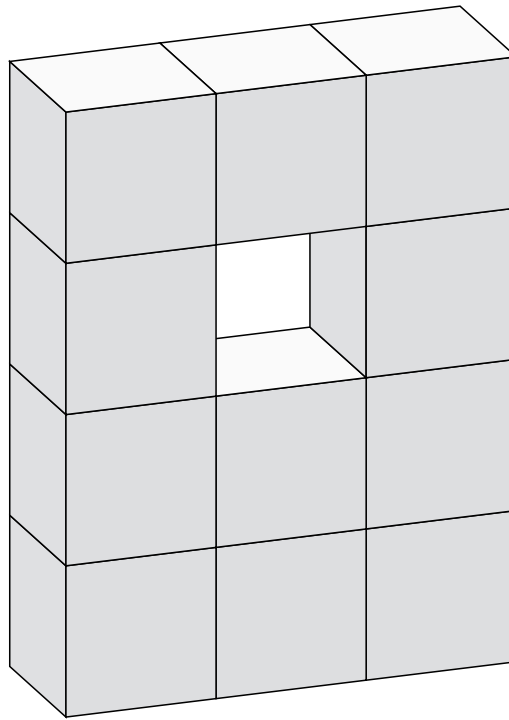






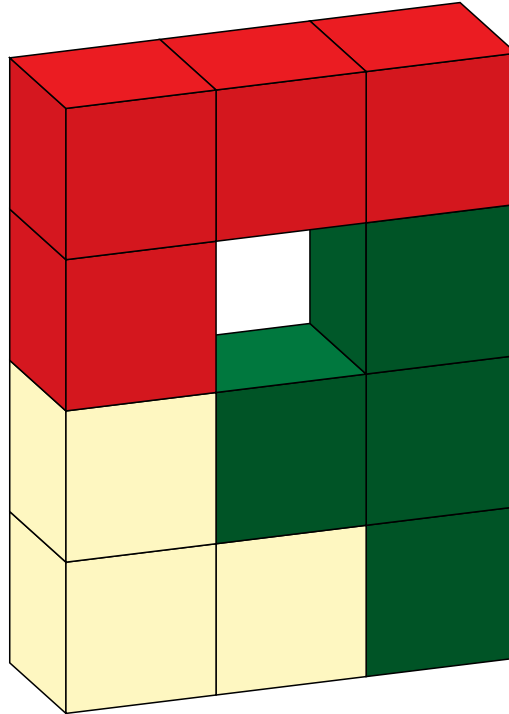
Somafiguren

Aufgabe: Baue das Schlüsselloch aus drei Somateilen.



Schlüsselloch

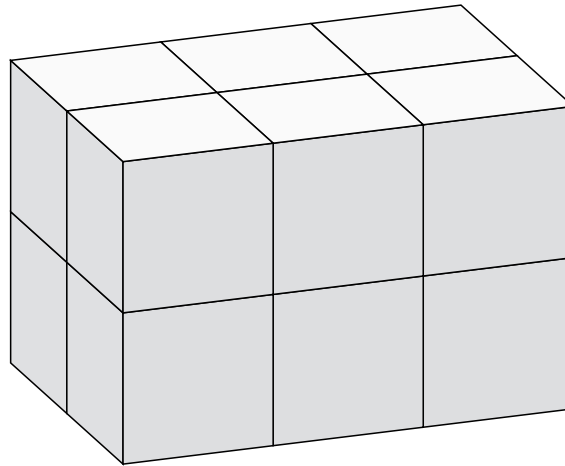




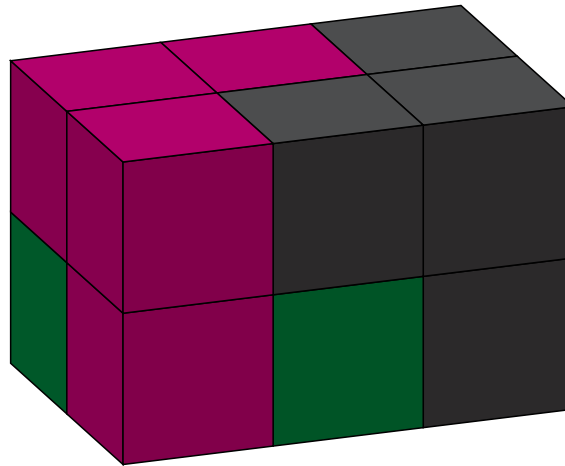


Somafiguren

Aufgabe: Baue die Box aus drei Somateilen.



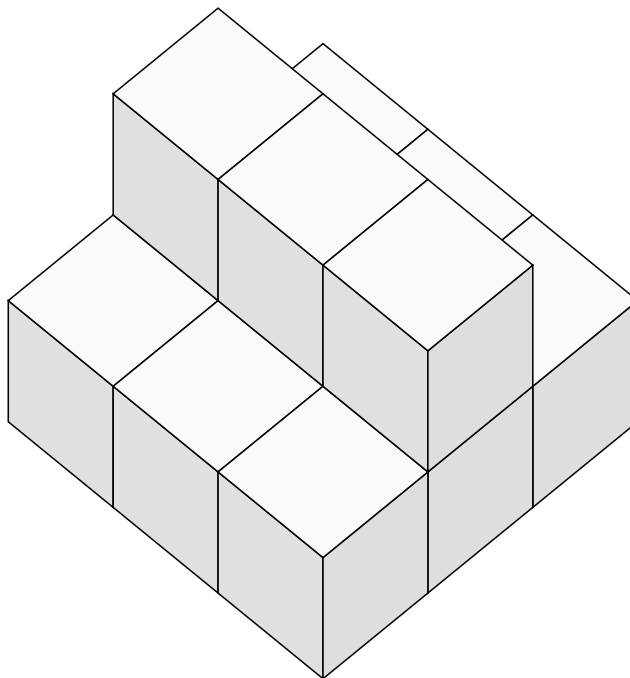
Eine mögliche Lösung





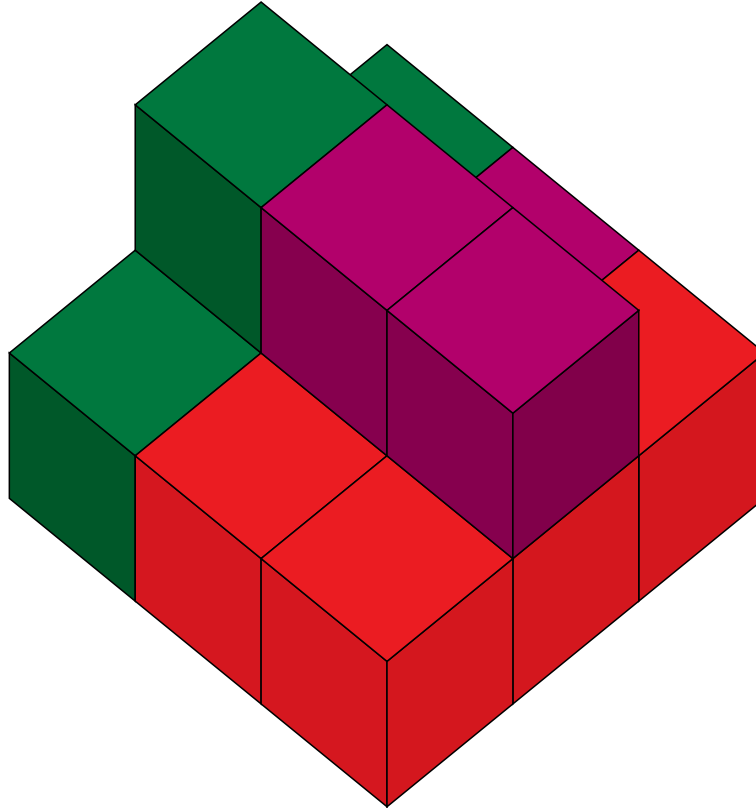
Somafiguren

Aufgabe: Baue die Parkbank aus drei Somateilen.



Parkbank

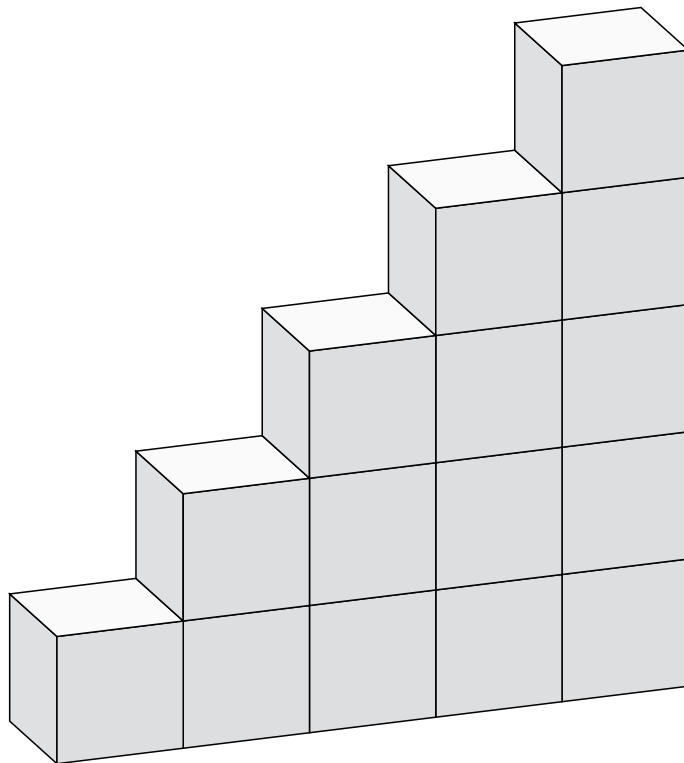






Somafiguren

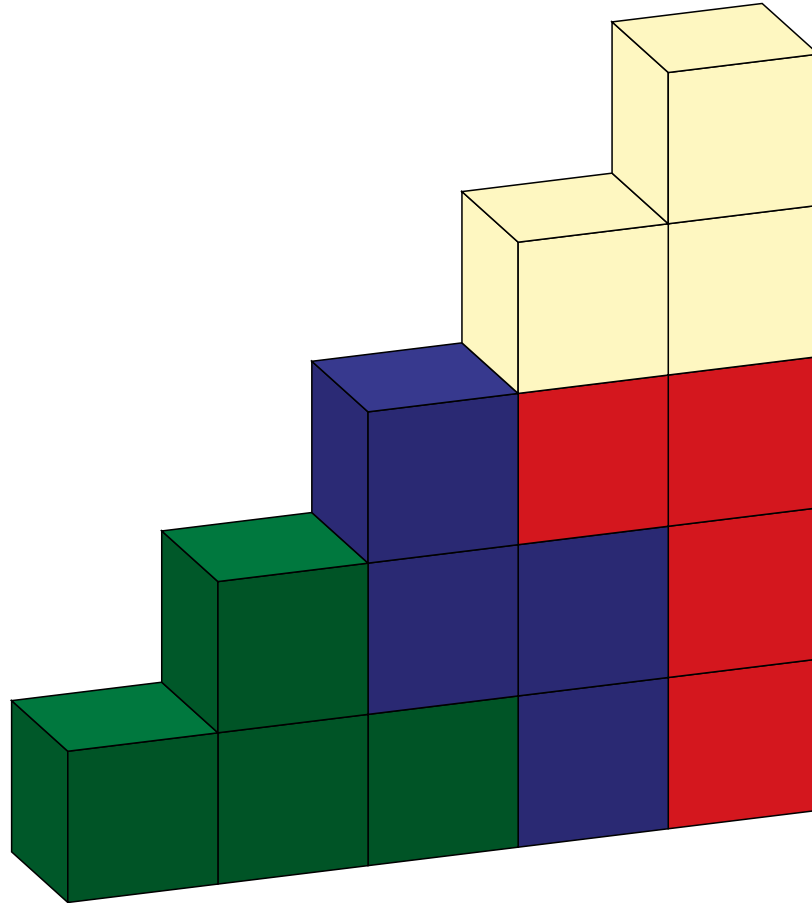
Aufgabe: Baue die Treppe aus vier Somateilen.



Stufen



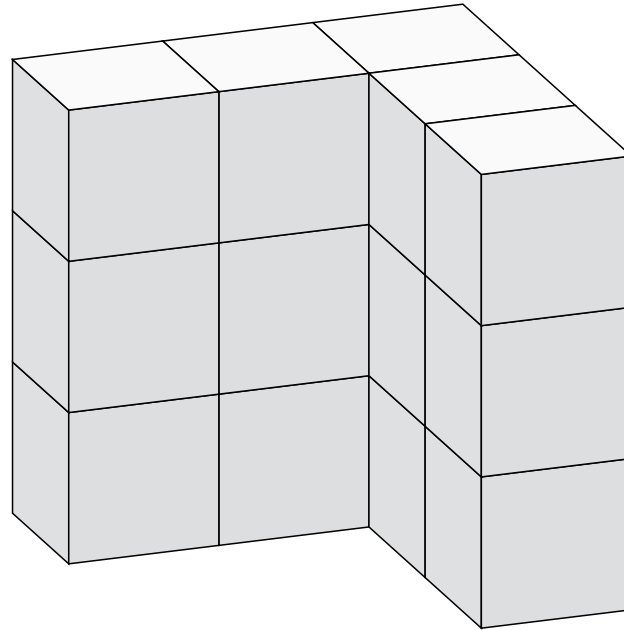
Eine mögliche Lösung

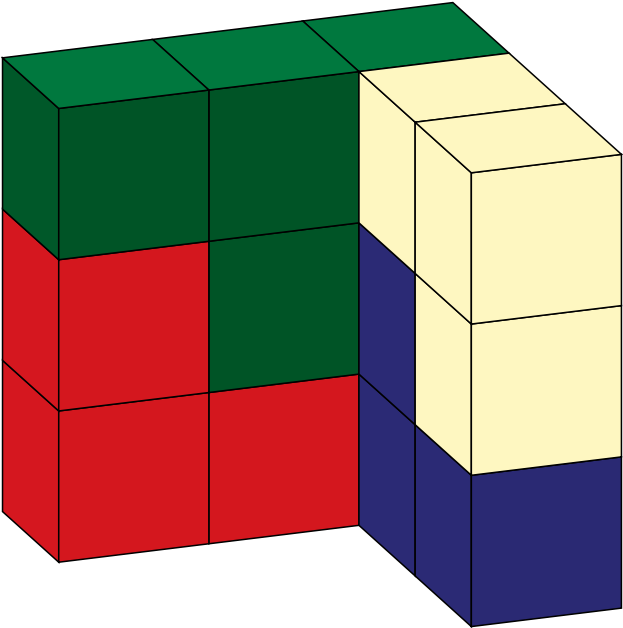




Somafiguren

Aufgabe: Baue die Ecke aus vier Somateilen.

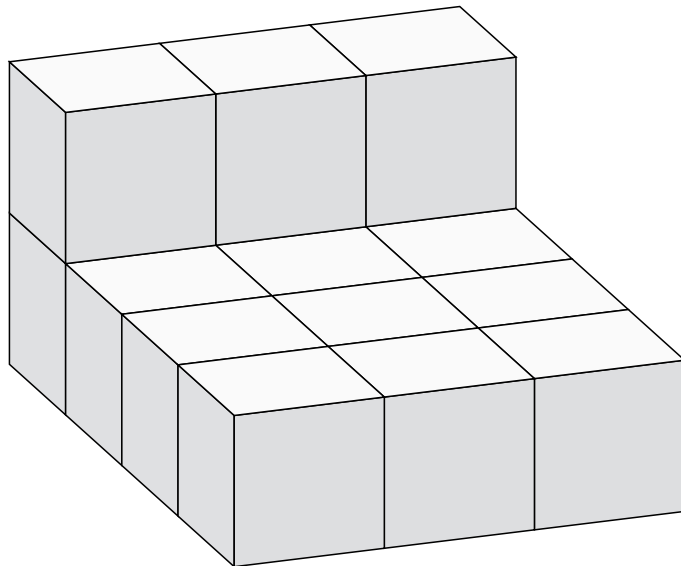






Somafiguren

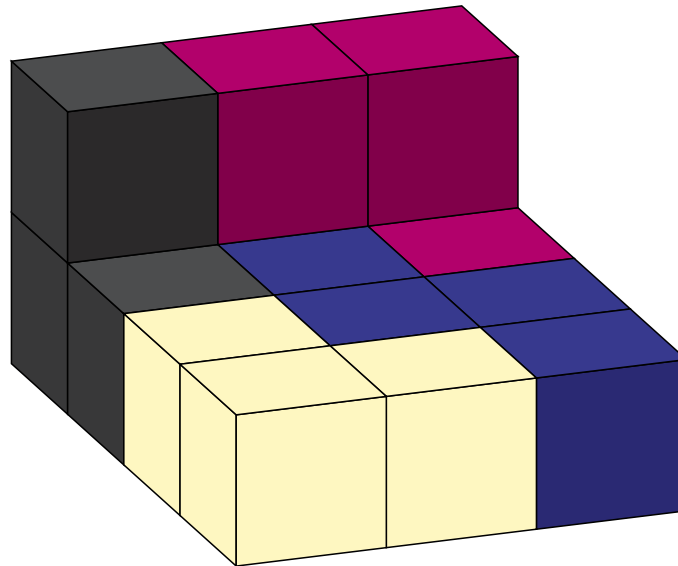
Aufgabe: Baue das Bett aus vier Somateilen.



Bett



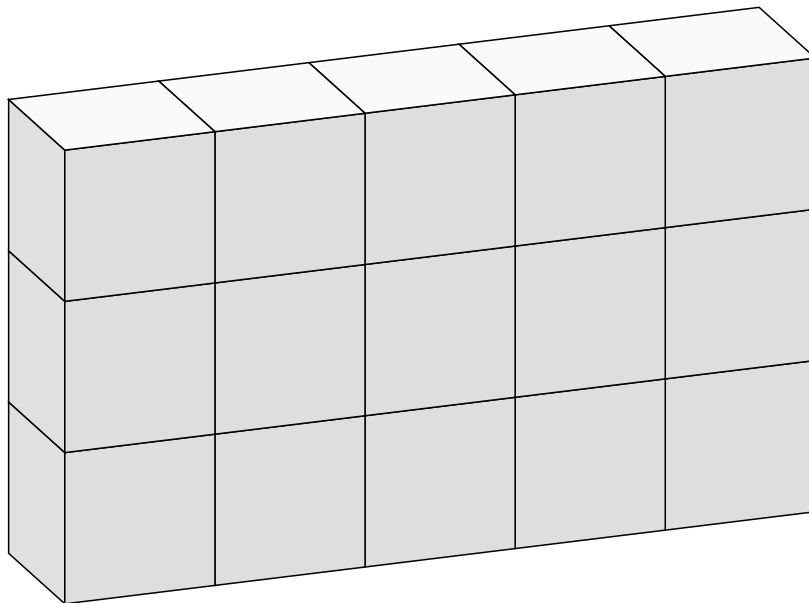
Eine mögliche Lösung





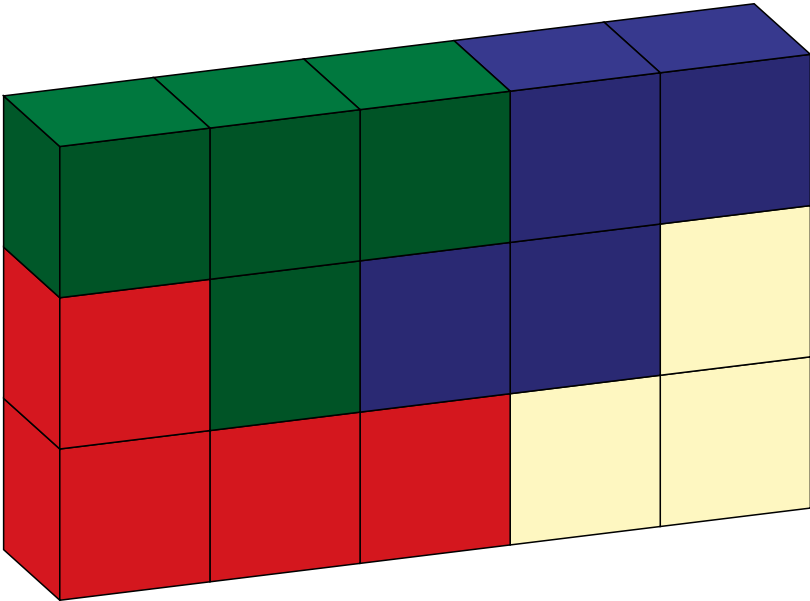
Somafiguren

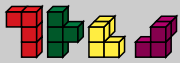
Aufgabe: Baue die Wand aus vier Somateilen.



Wand

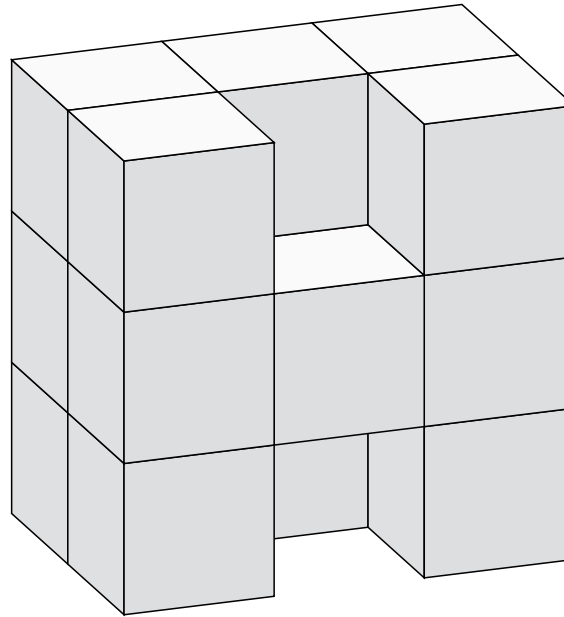


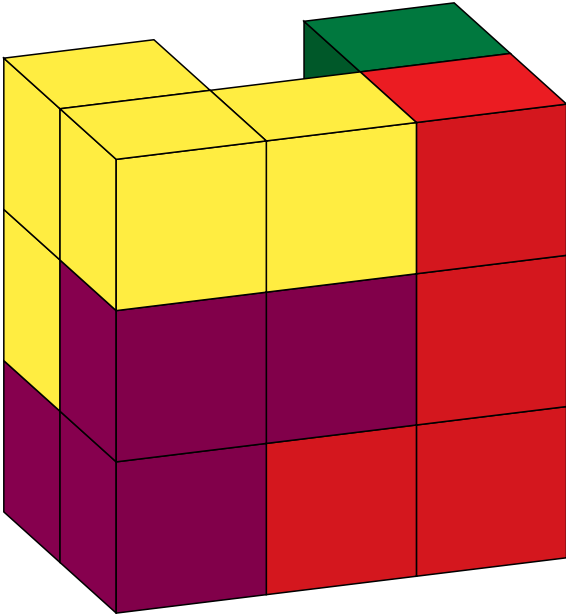
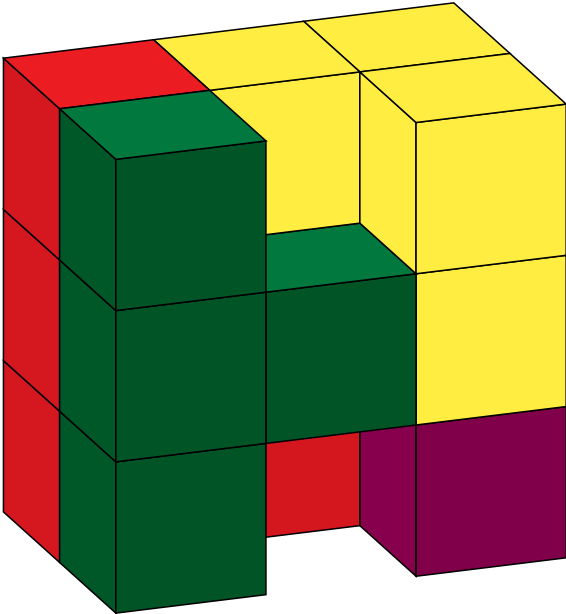




Somafiguren

Aufgabe: Baue den Buchstaben H aus vier Somateilen.

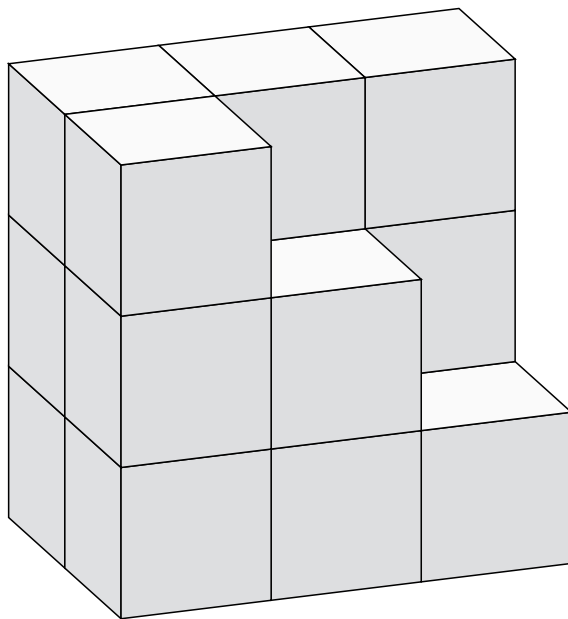


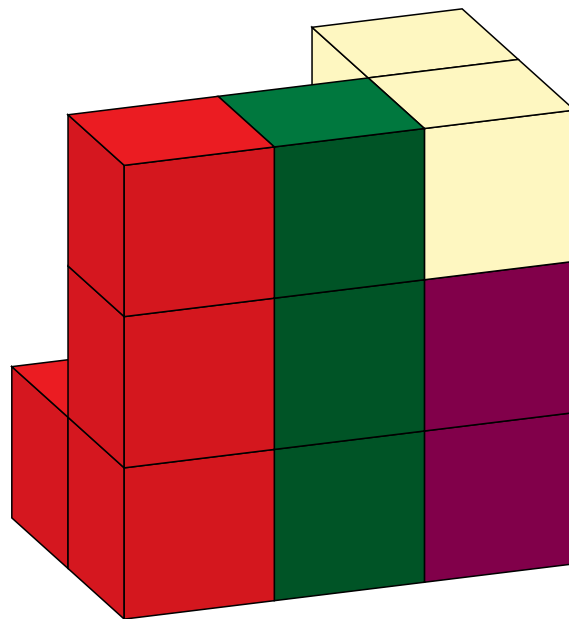
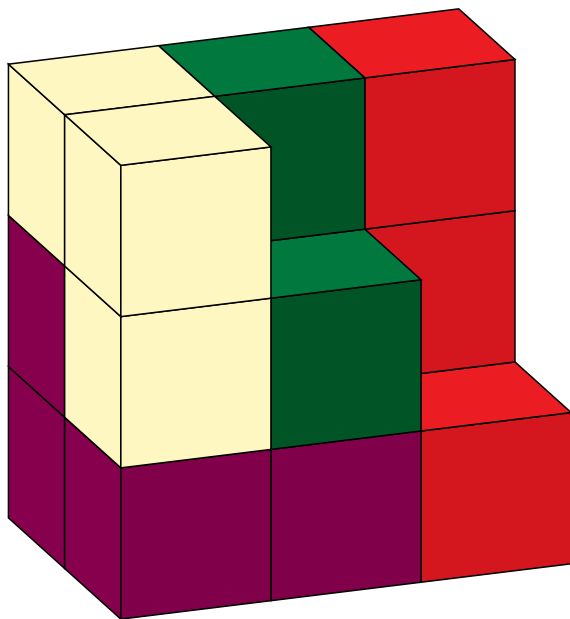




Somafiguren

Aufgabe: Baue die Kellertreppe aus vier Somateilen.

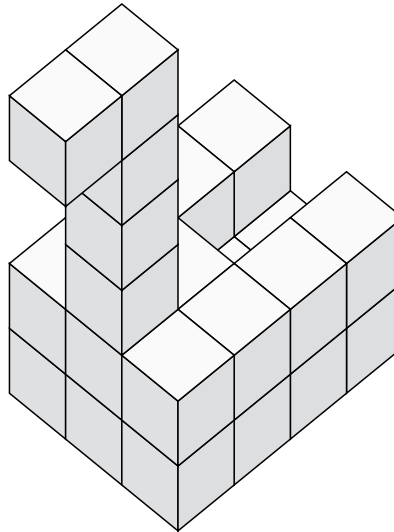




Somafiguren

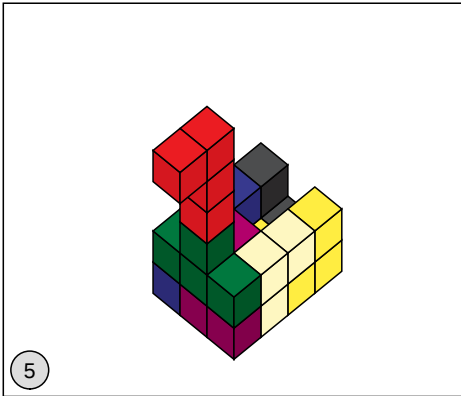
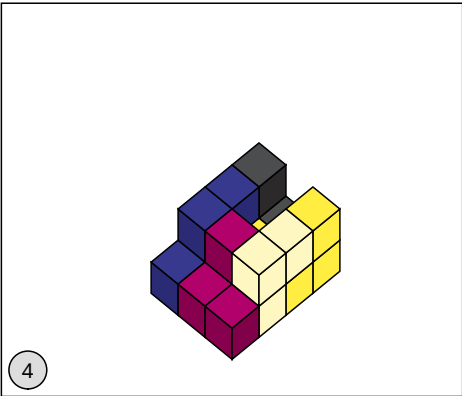
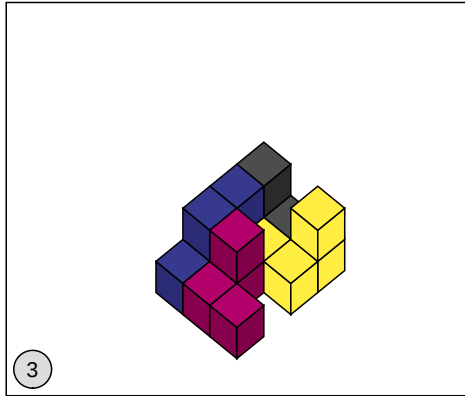
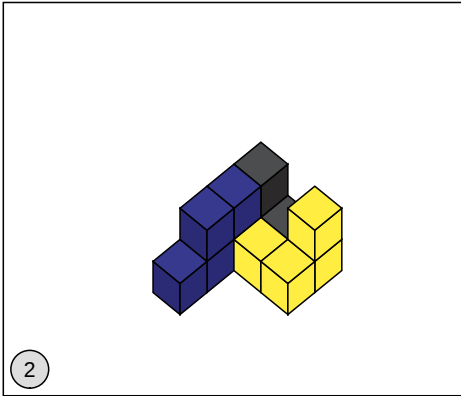
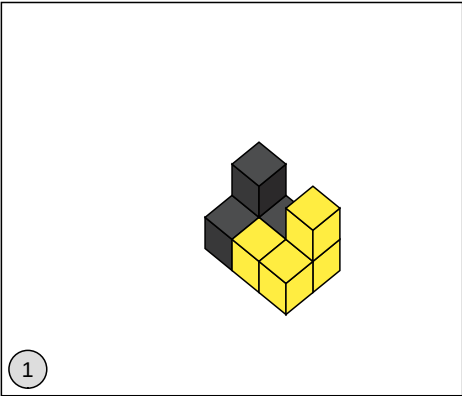
15

Aufgabe: Baue den Schwan aus allen sieben Somateilen.



Schwan

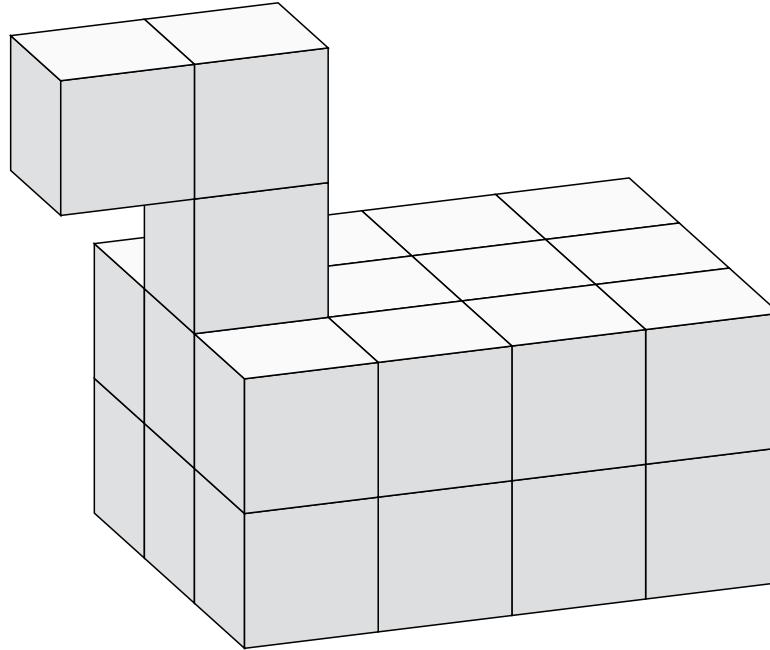




Somafiguren

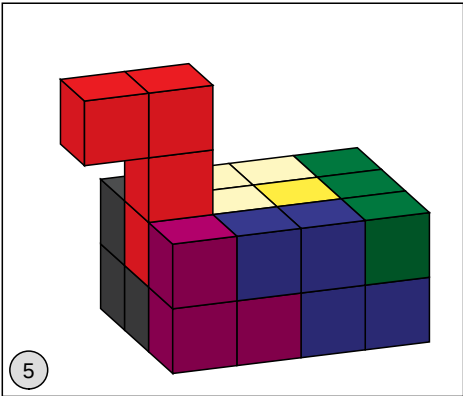
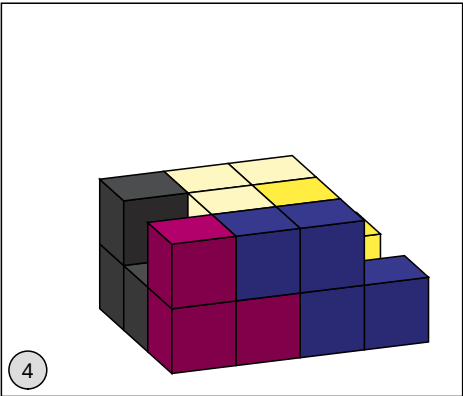
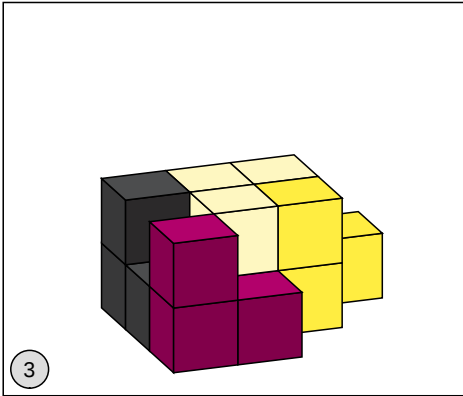
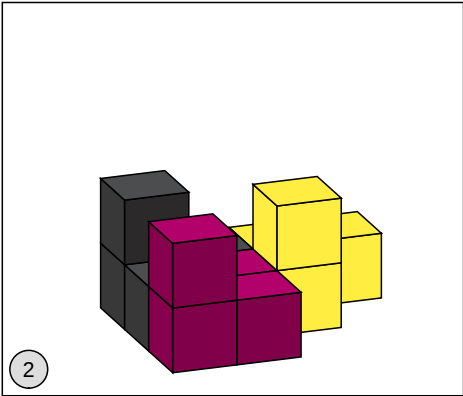
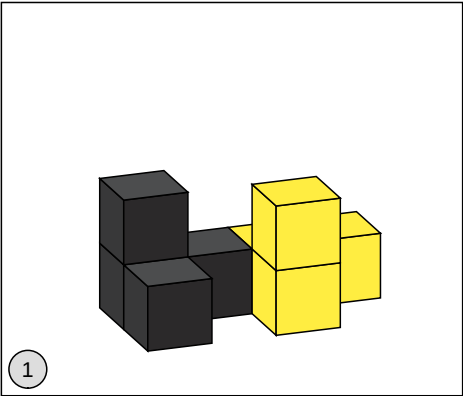
16

Aufgabe: Baue die Ente aus allen sieben Somateilen.



Ente

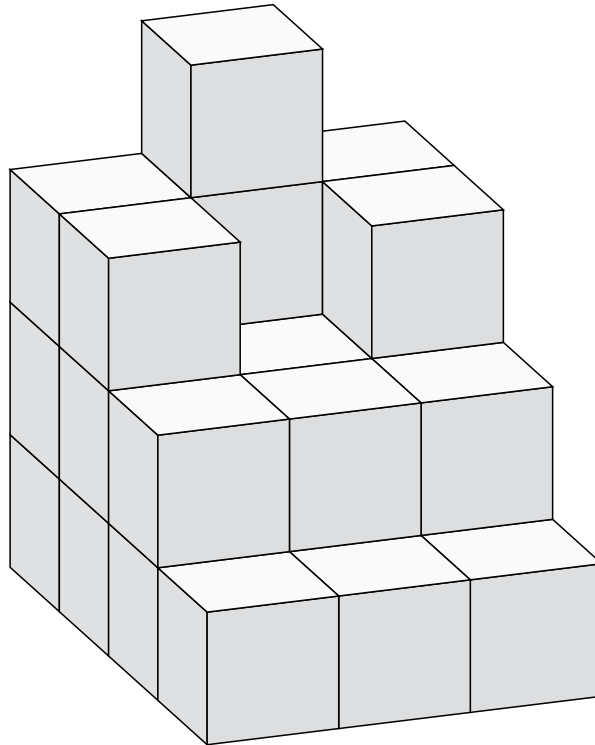




Somafiguren

17

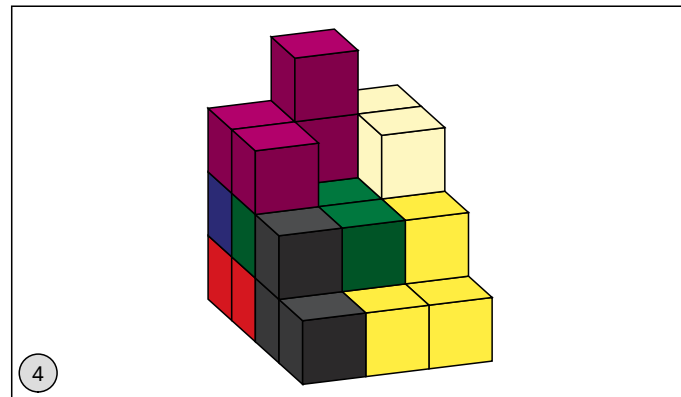
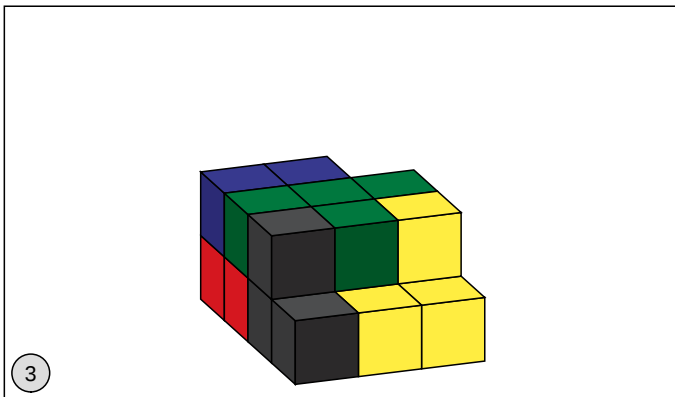
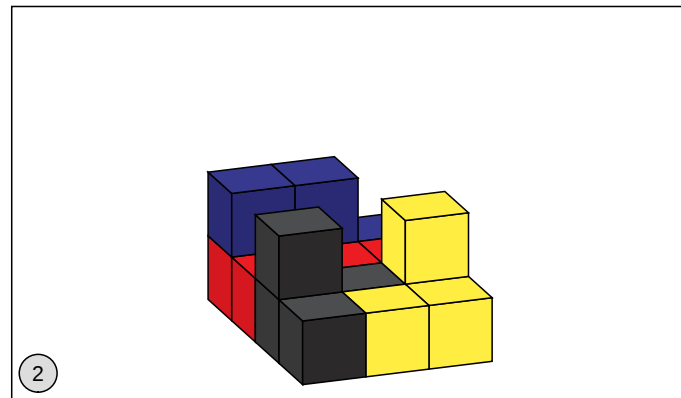
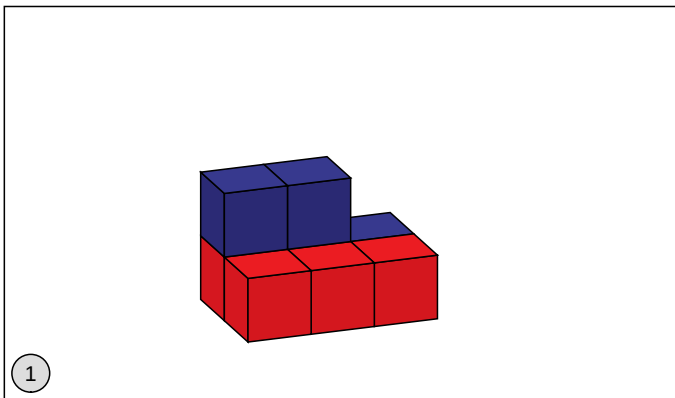
Aufgabe: Baue den Thron aus allen sieben Somateilen.



Thron



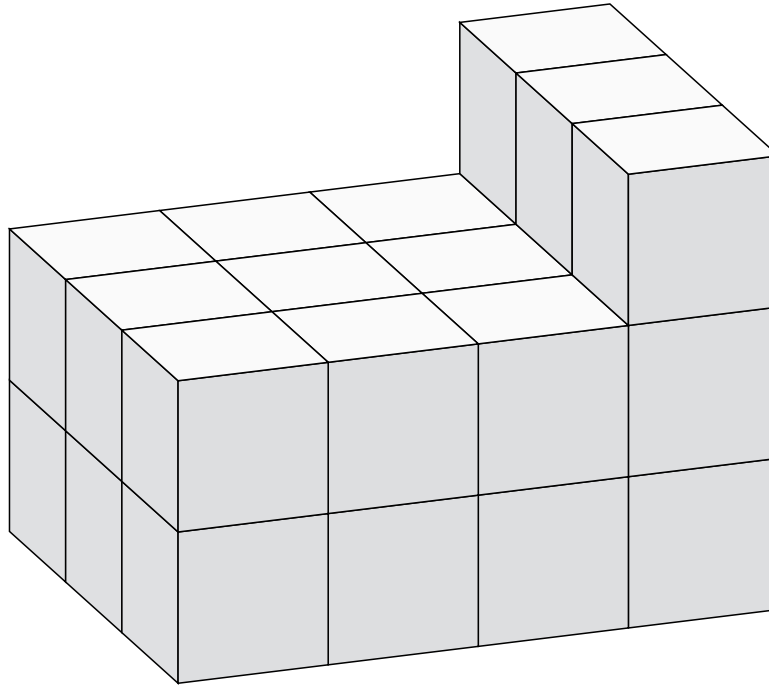
Eine mögliche Lösung



Somafiguren

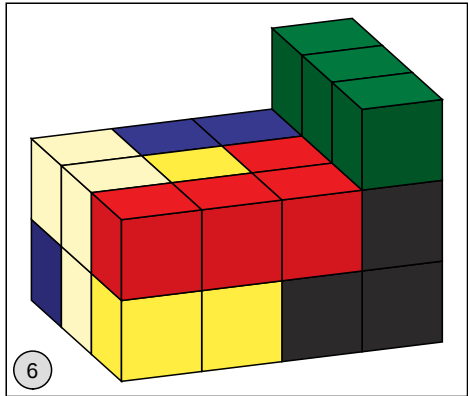
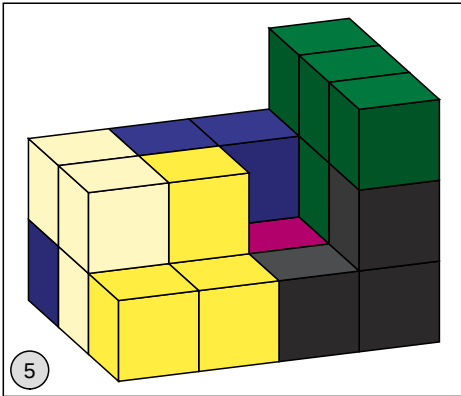
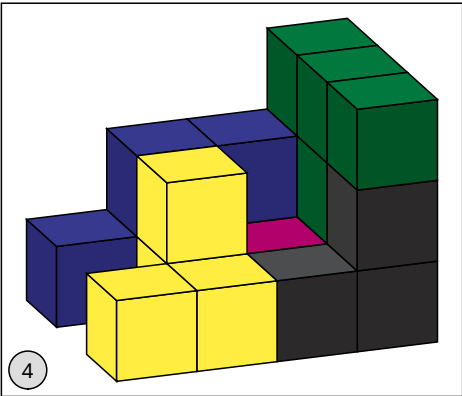
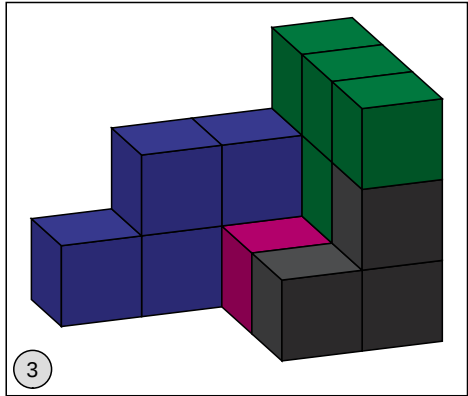
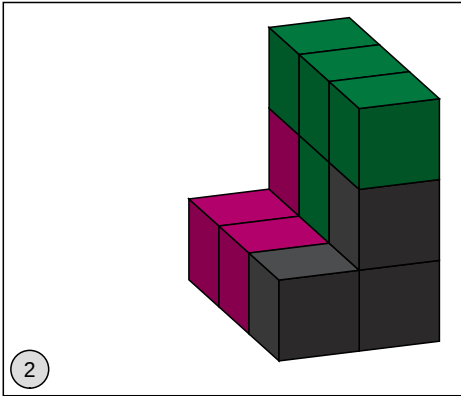
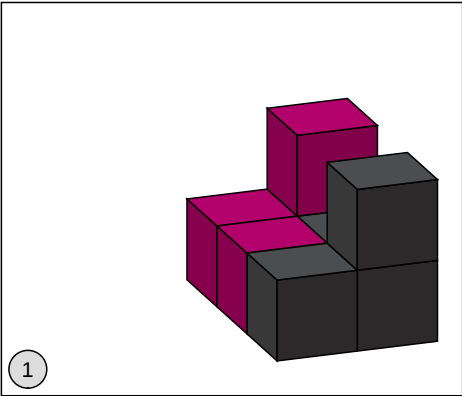
18

Aufgabe: Baue das kleine Bett aus allen sieben Somateilen.



Kleines Bett

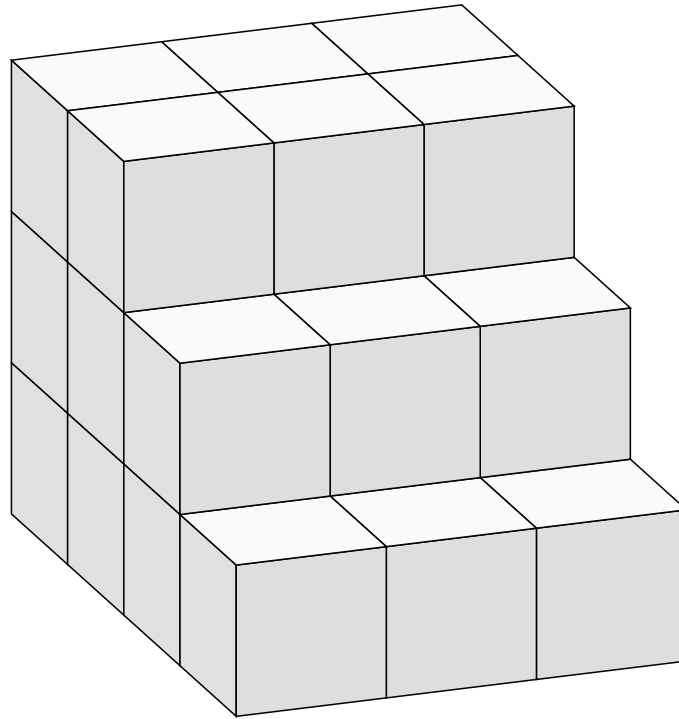




Somafiguren

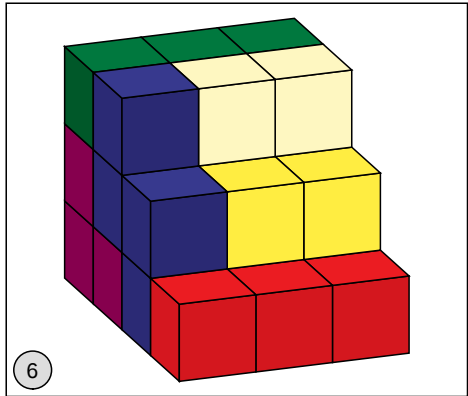
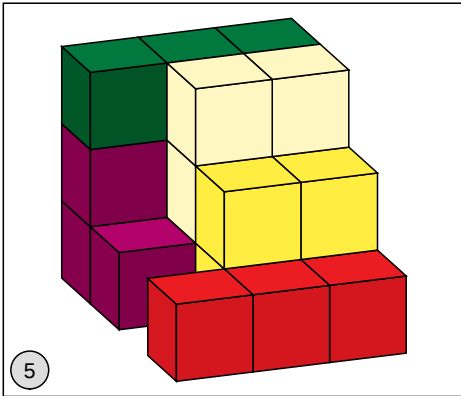
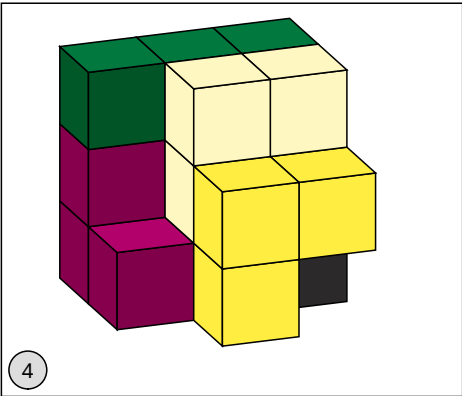
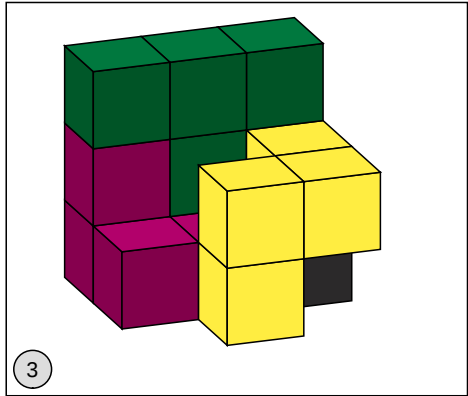
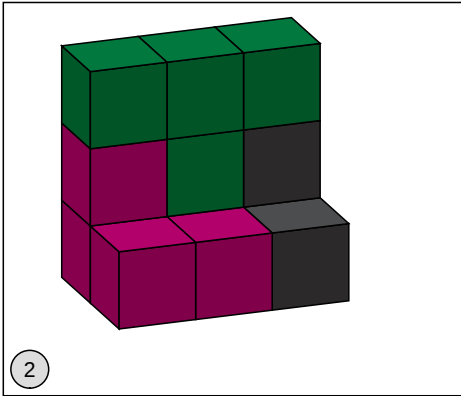
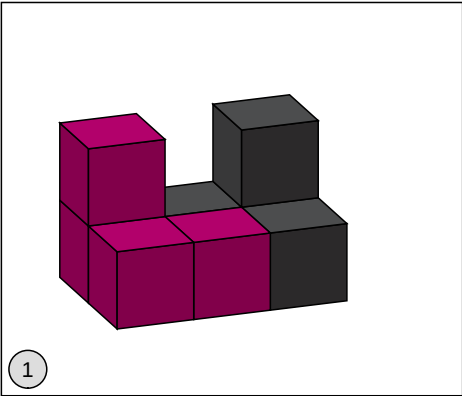
19

Aufgabe: Baue die Treppe aus allen sieben Somateilen.



Treppe

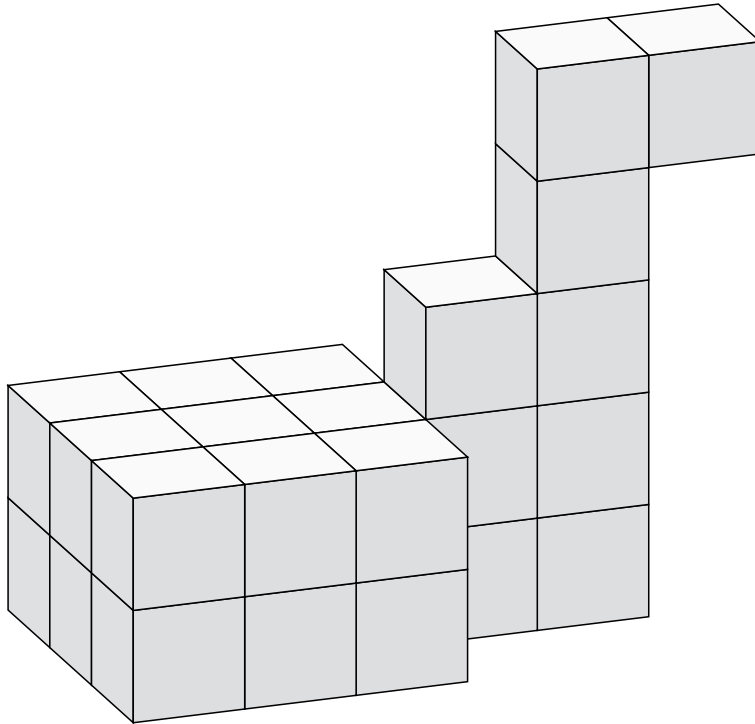




Somafiguren

20

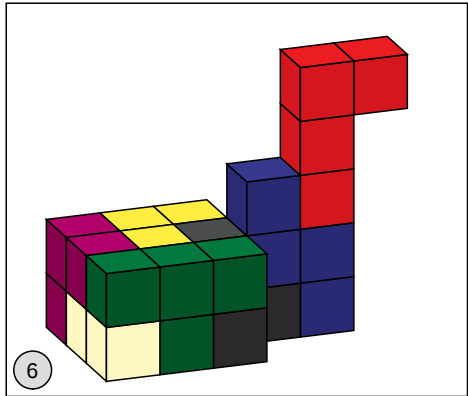
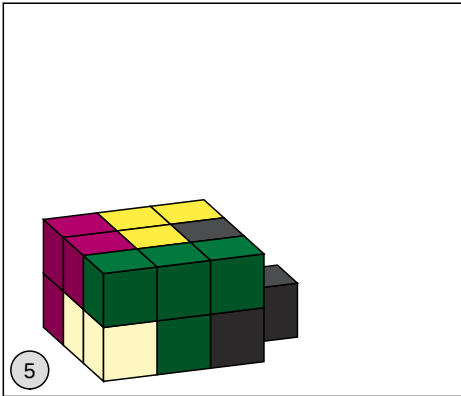
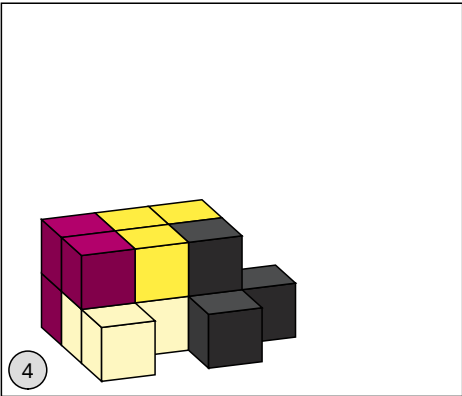
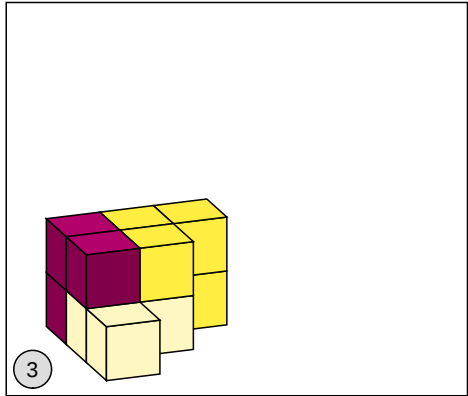
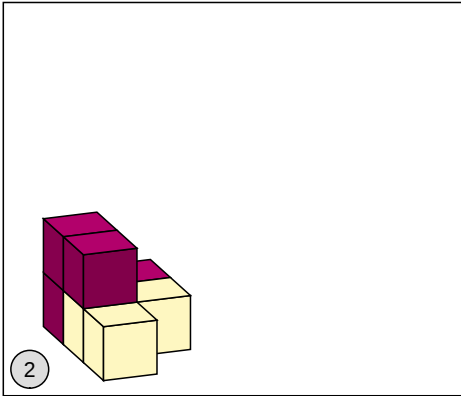
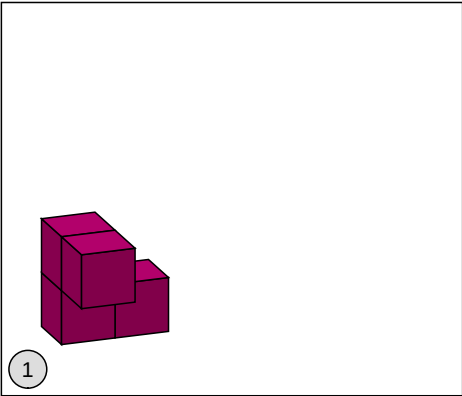
Aufgabe: Baue die Schnecke aus allen sieben Somateilen.



Schnecke



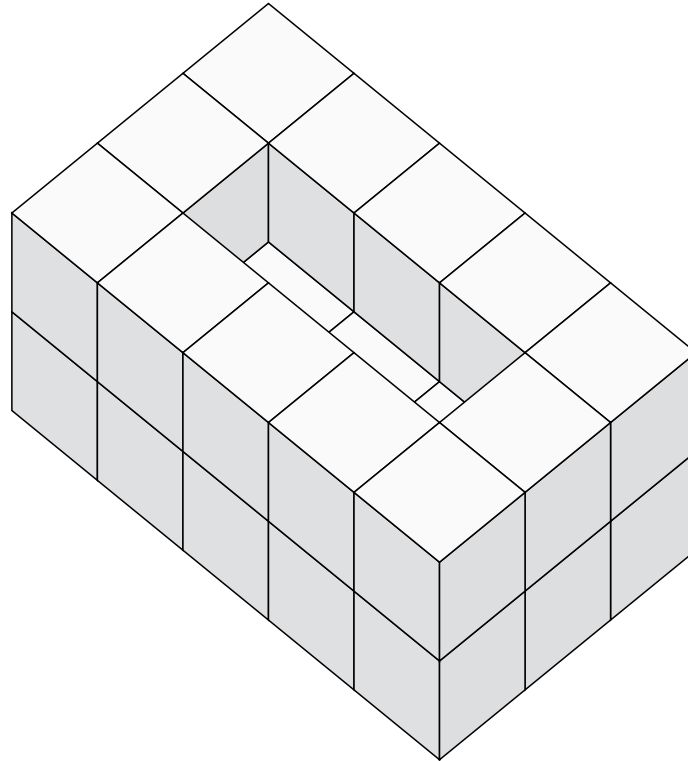
Eine mögliche Lösung



Somafiguren

21

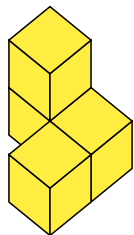
Aufgabe: Baue die Wanne aus allen sieben Somateilen.



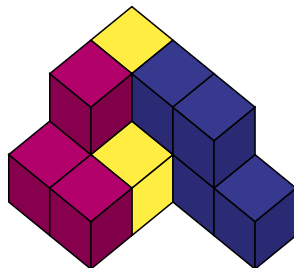
Wanne



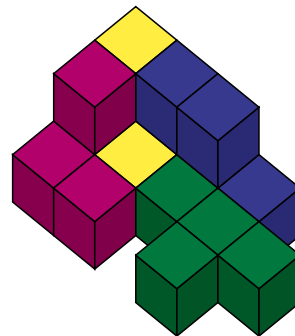
Eine mögliche Lösung



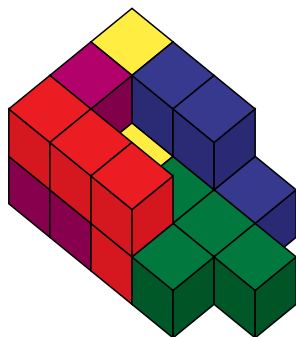
1



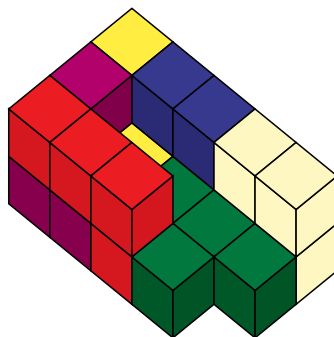
2



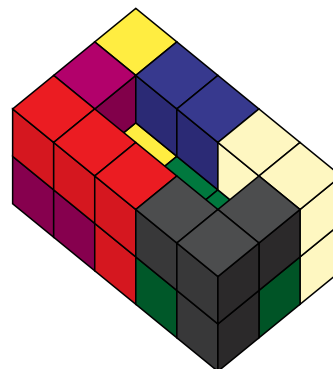
3



4



5

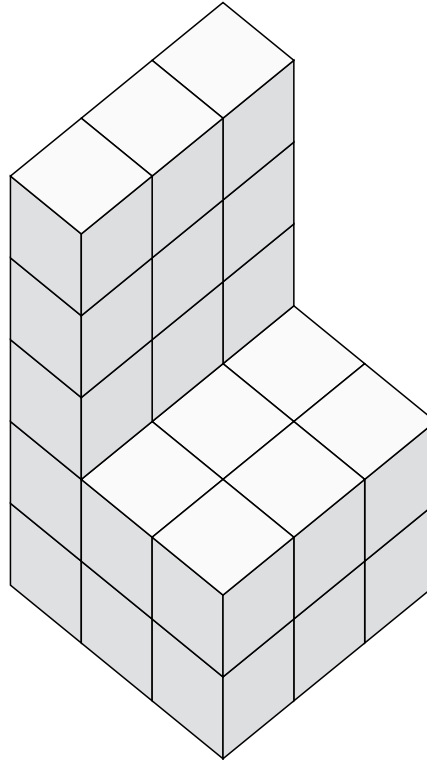


6

Somafiguren

22

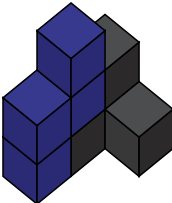
Aufgabe: Baue den Stuhl aus allen sieben Somateilen.



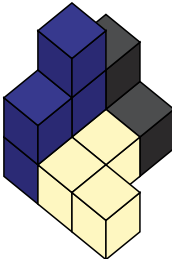
Stuhl



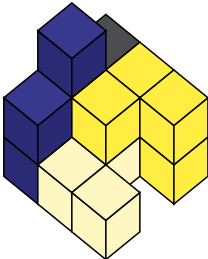
Eine mögliche Lösung



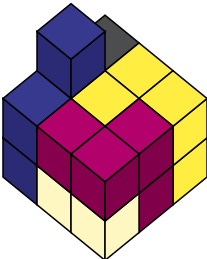
1



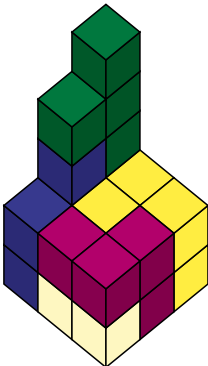
2



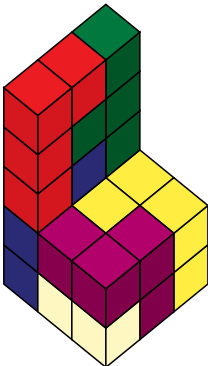
3



4



5

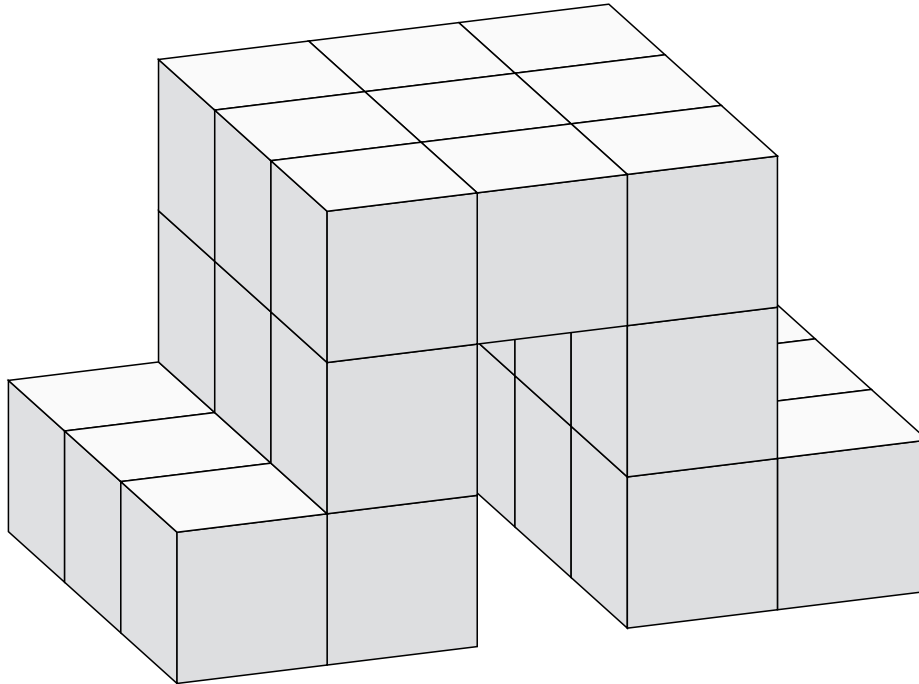


6

Somafiguren

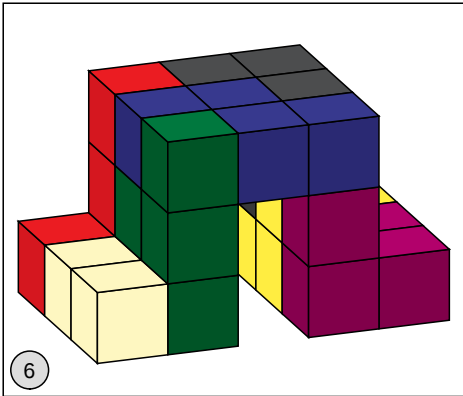
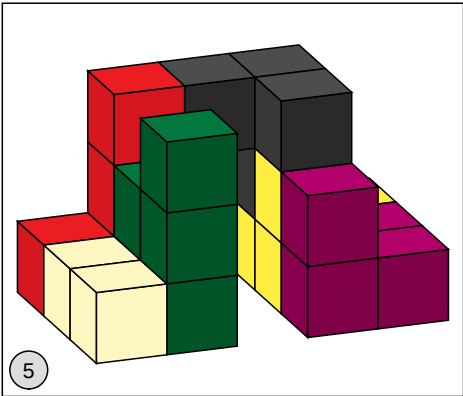
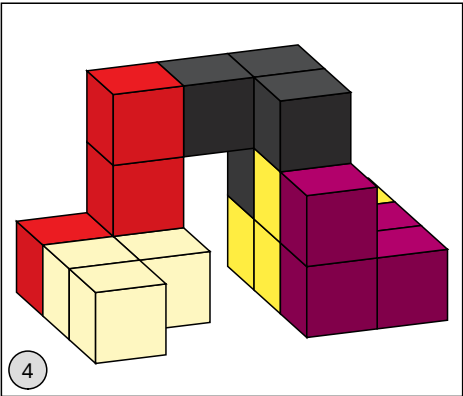
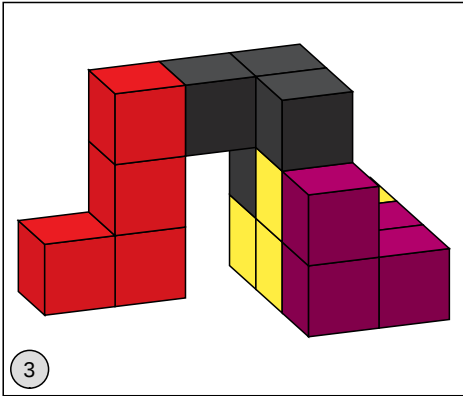
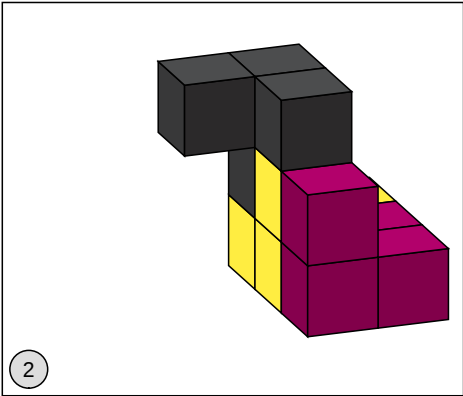
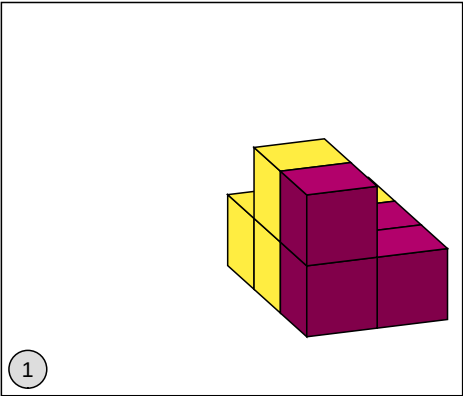
23

Aufgabe: Baue den Tunnel aus allen sieben Somateilen.



Tunnel

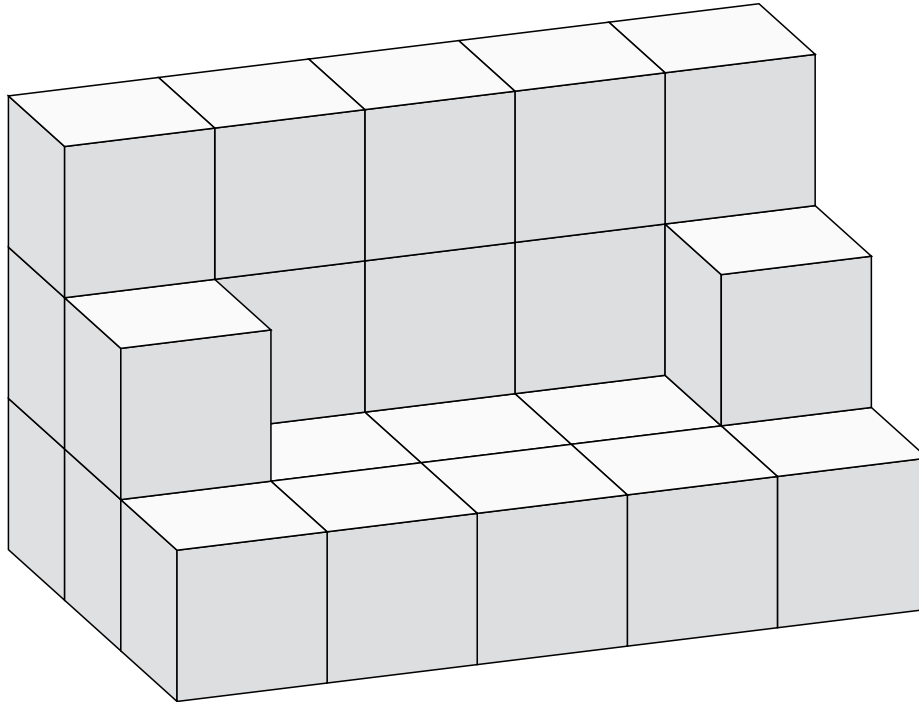




Somafiguren

24

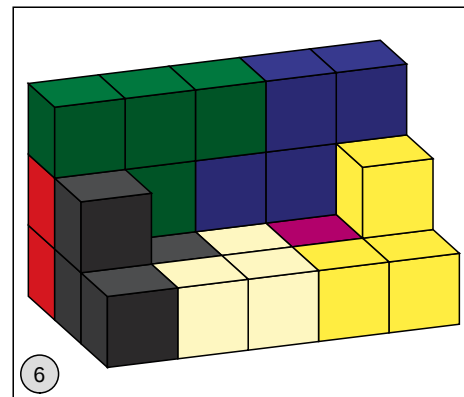
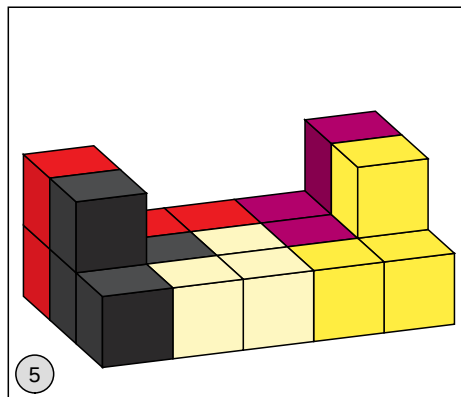
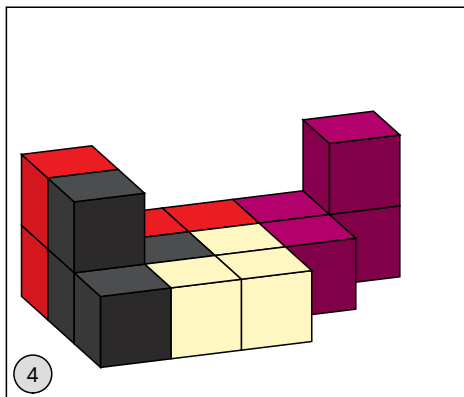
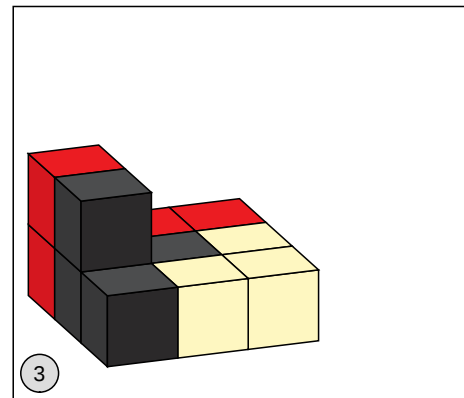
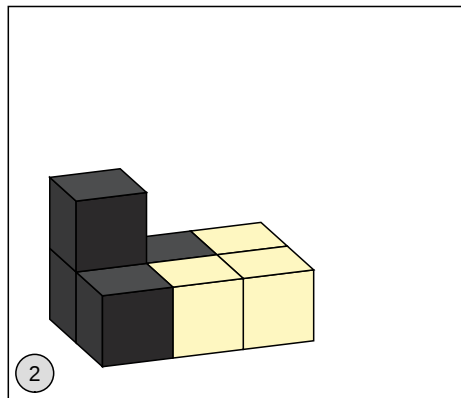
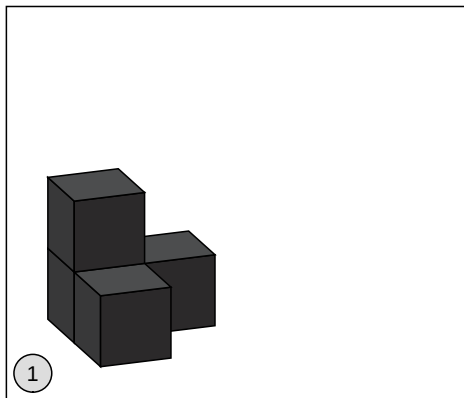
Aufgabe: Baue das Sofa aus allen sieben Somateilen.



Sofa



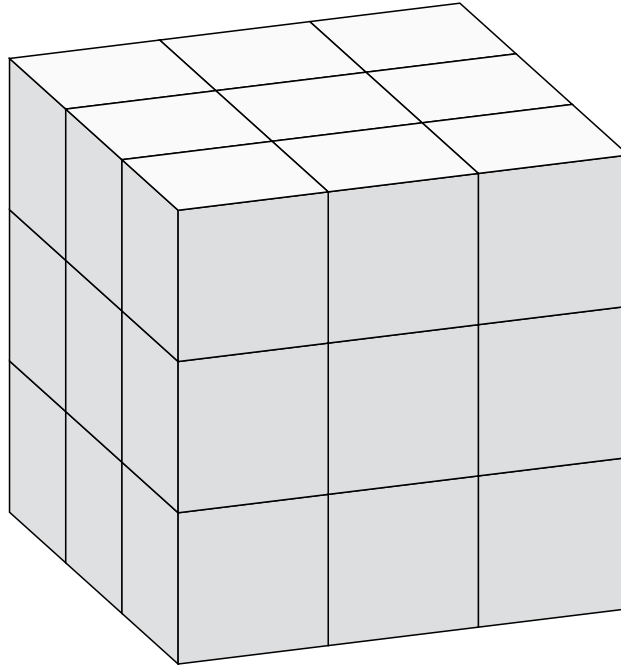
Eine mögliche Lösung



Somafiguren

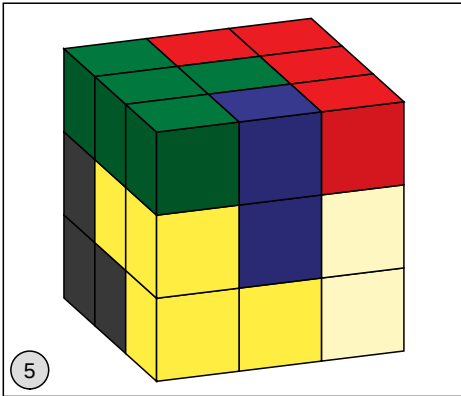
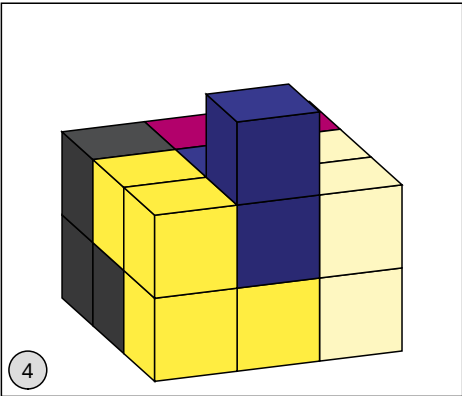
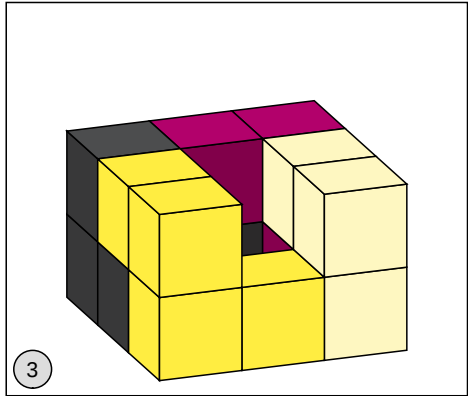
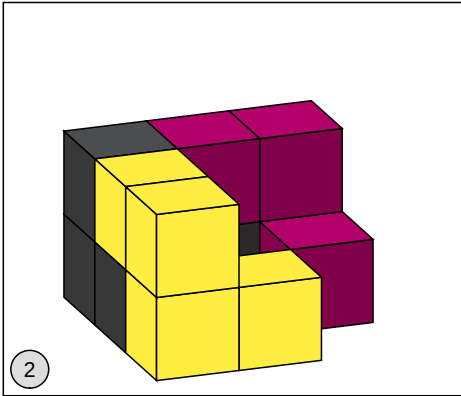
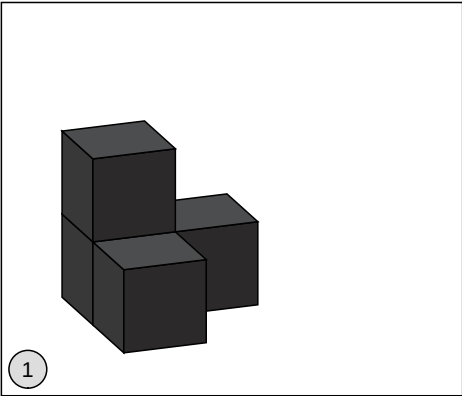
25

Aufgabe: Baue den Würfel aus allen sieben Somateilen.



Würfel

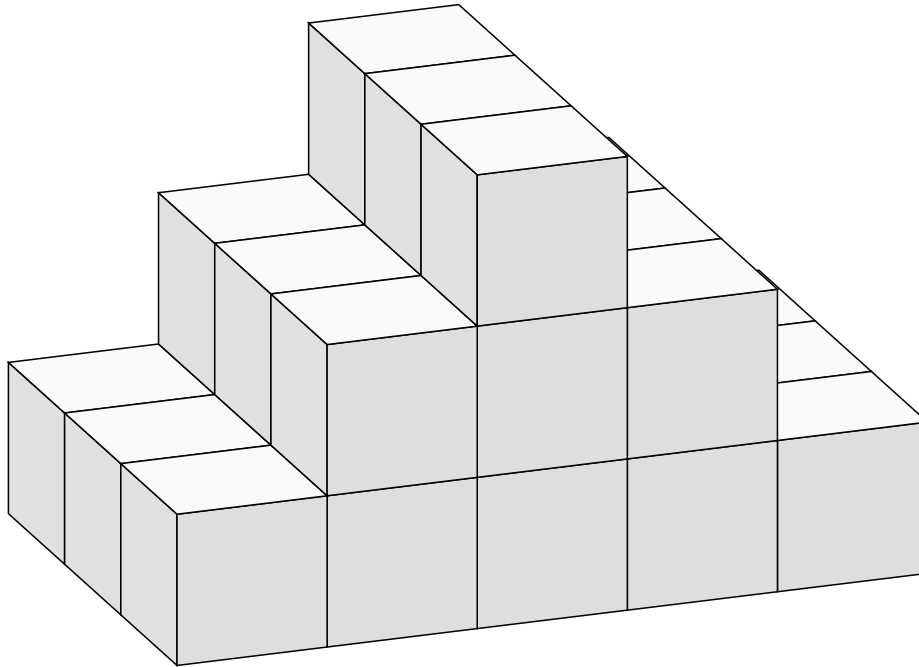




Somafiguren

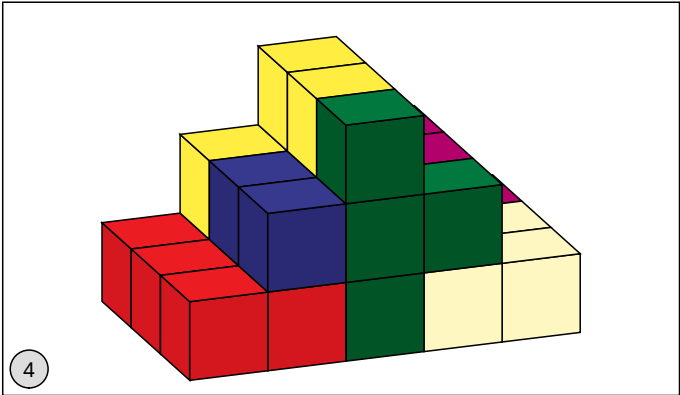
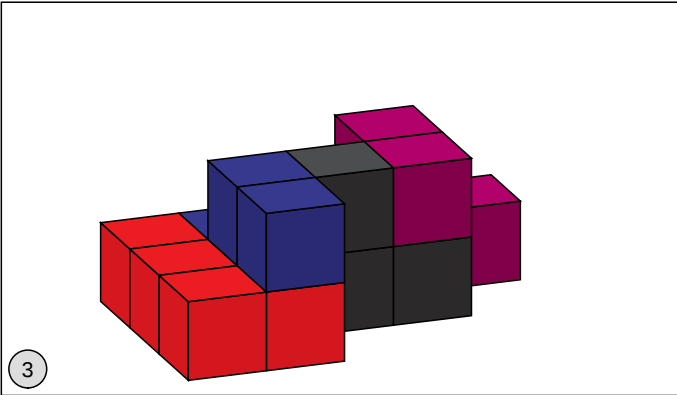
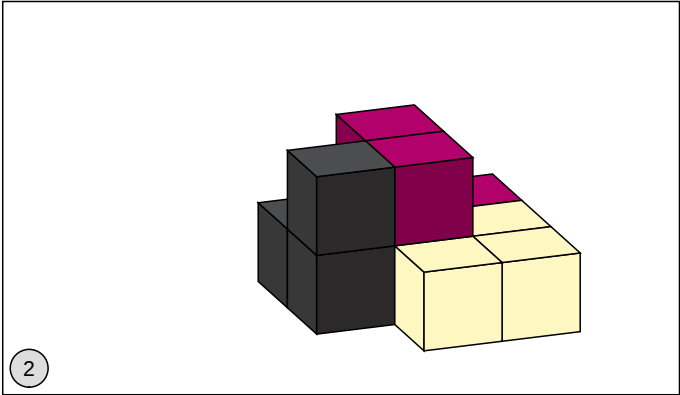
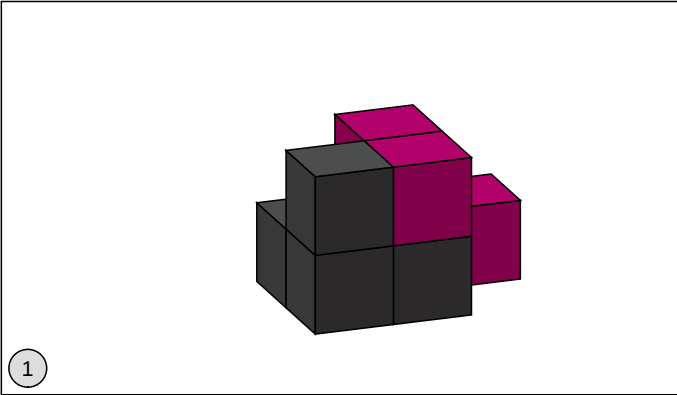
26

Aufgabe: Baue die Siegertreppe aus allen sieben Somateilen.



Siegertreppe

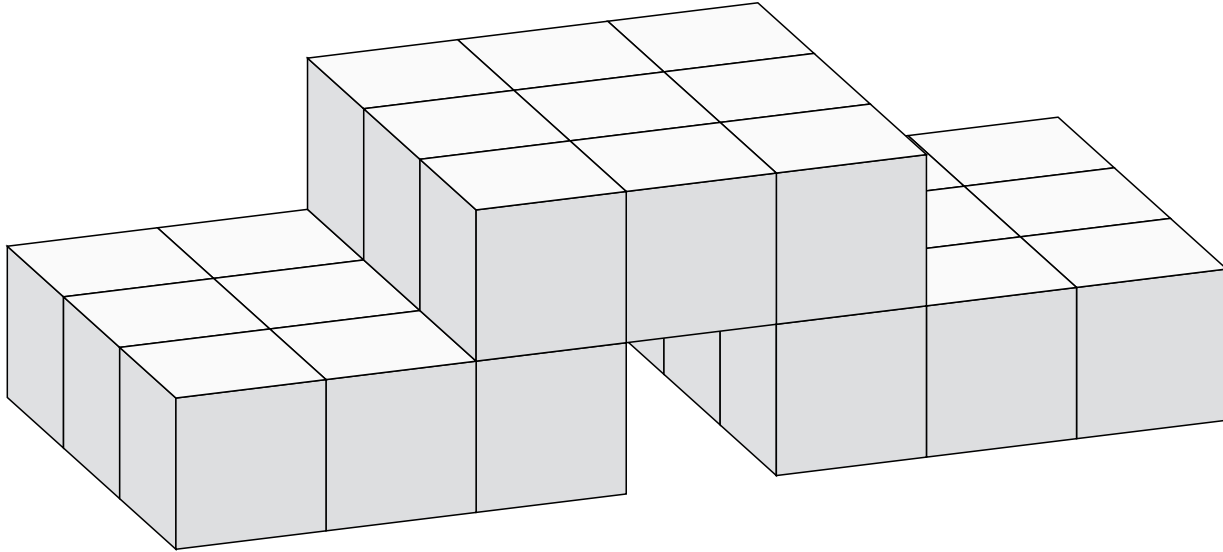




Somafiguren

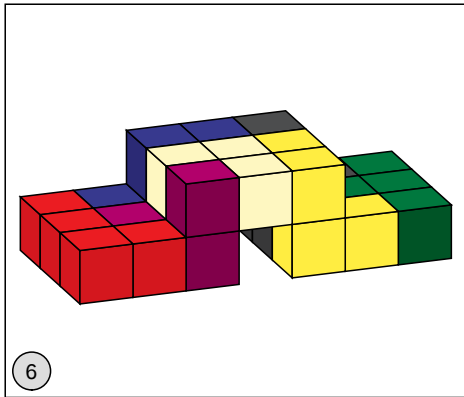
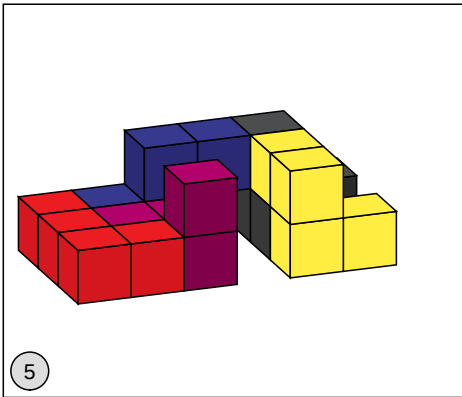
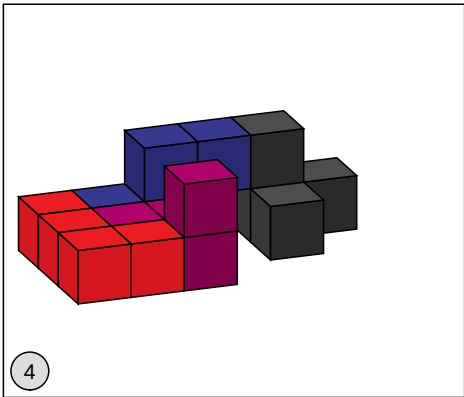
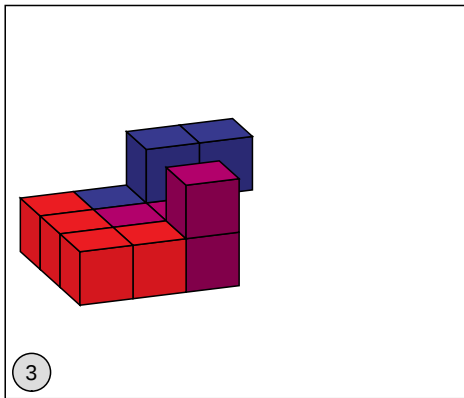
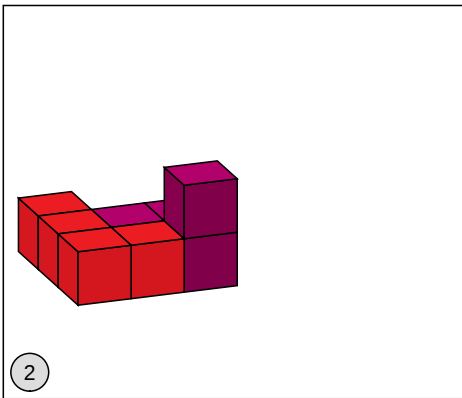
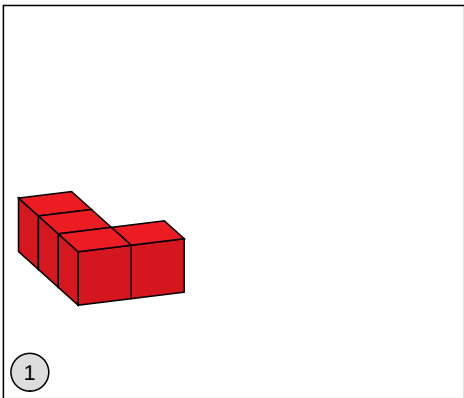
27

Aufgabe: Baue die Brücke aus allen sieben Somateilen.



Brücke

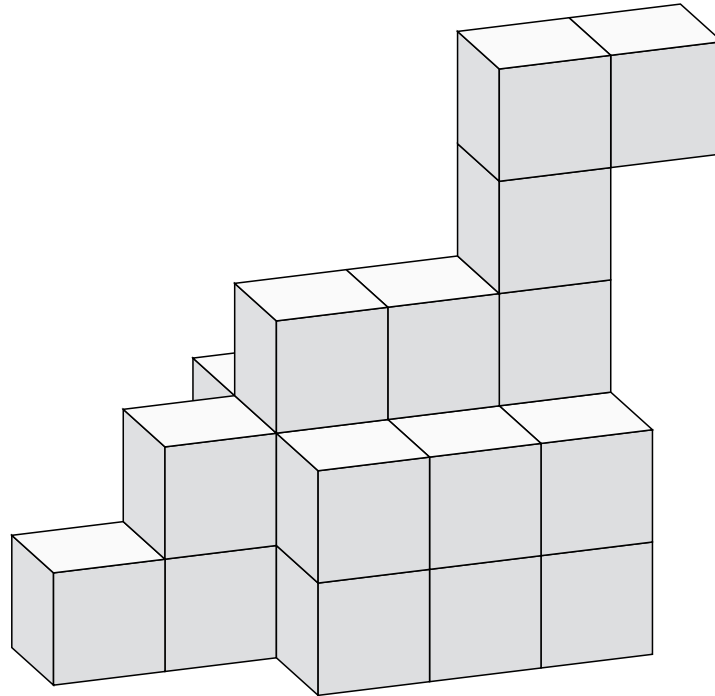




Somafiguren

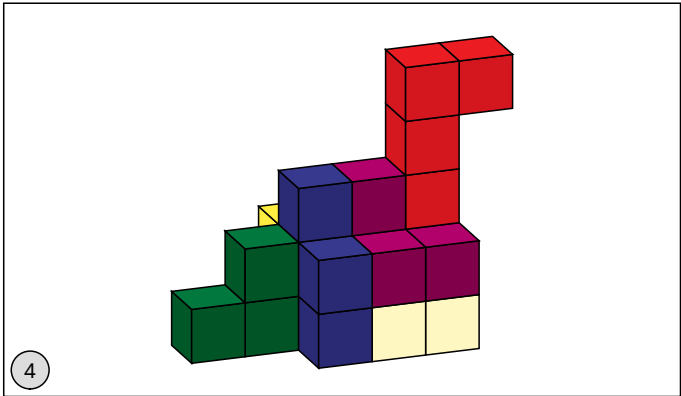
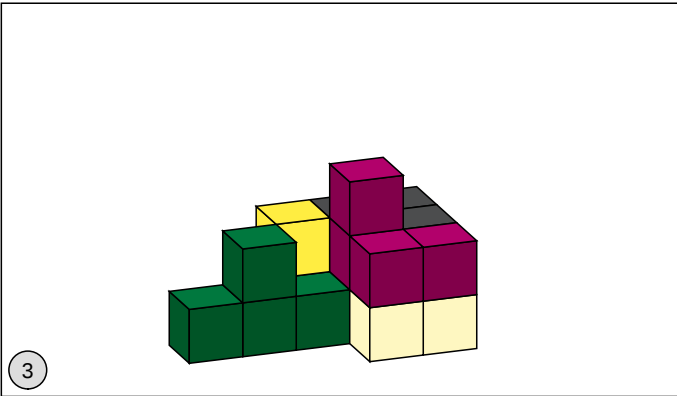
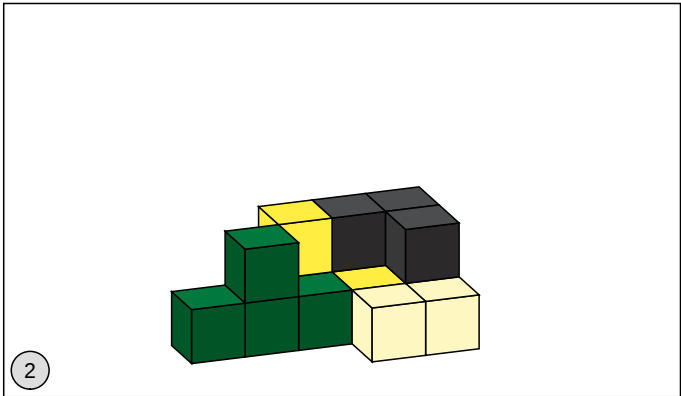
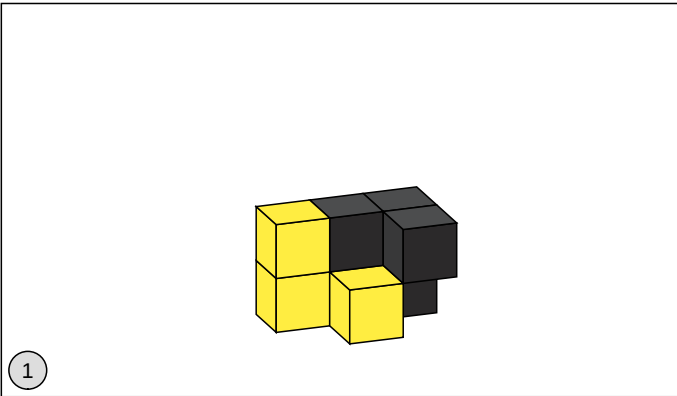
28

Aufgabe: Baue den Regenwurm aus allen sieben Somateilen.



Regenwurm

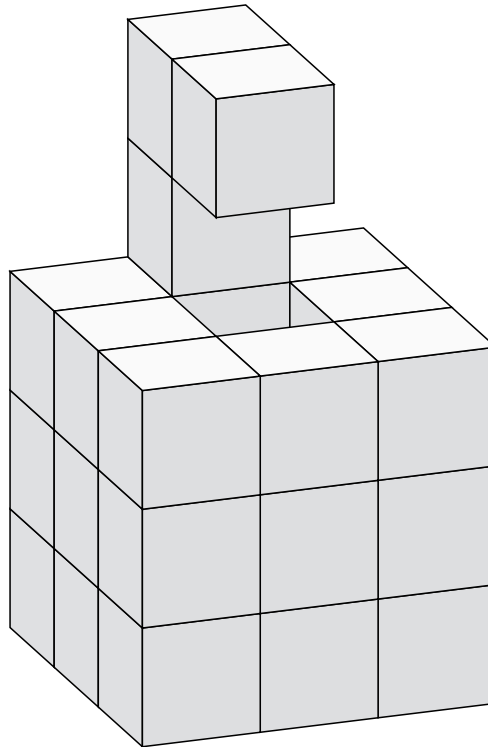




Somafiguren

29

Aufgabe: Baue den Brunnen aus allen sieben Somateilen.

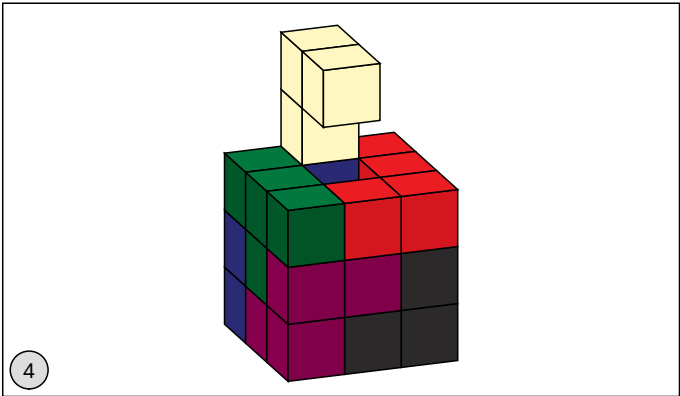
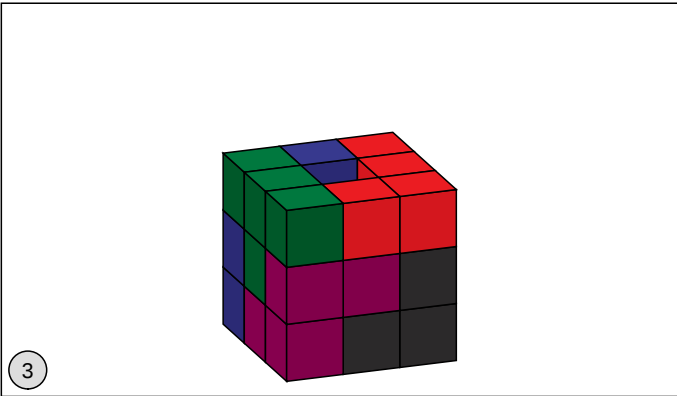
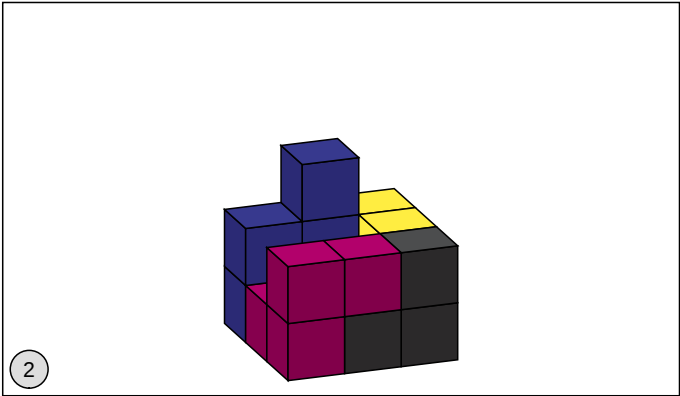
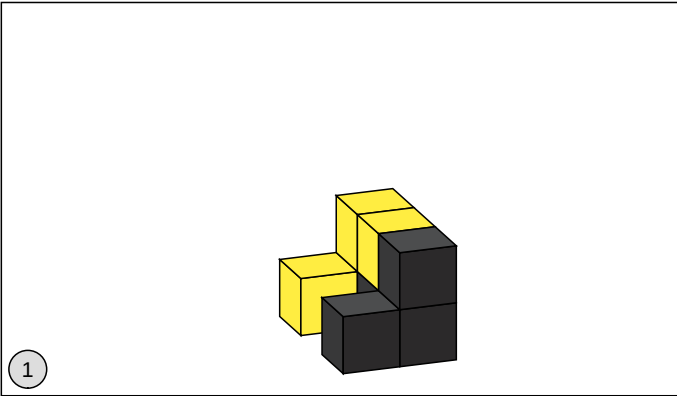


Brunnen



Idee: Lukas aus Münster

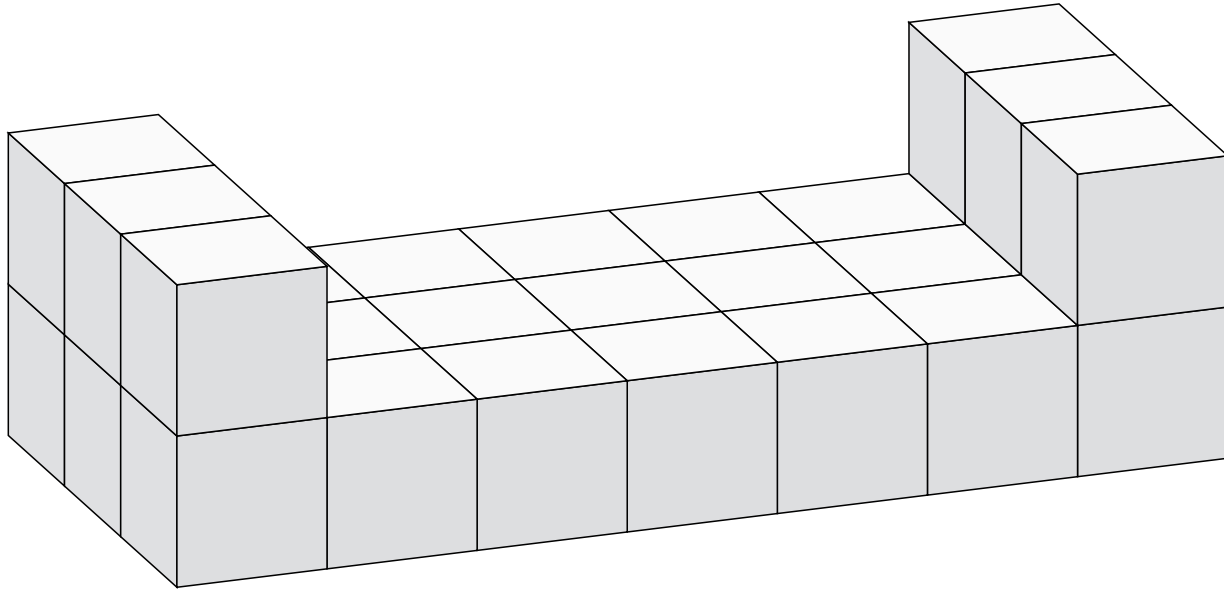
Eine mögliche Lösung



Somafiguren

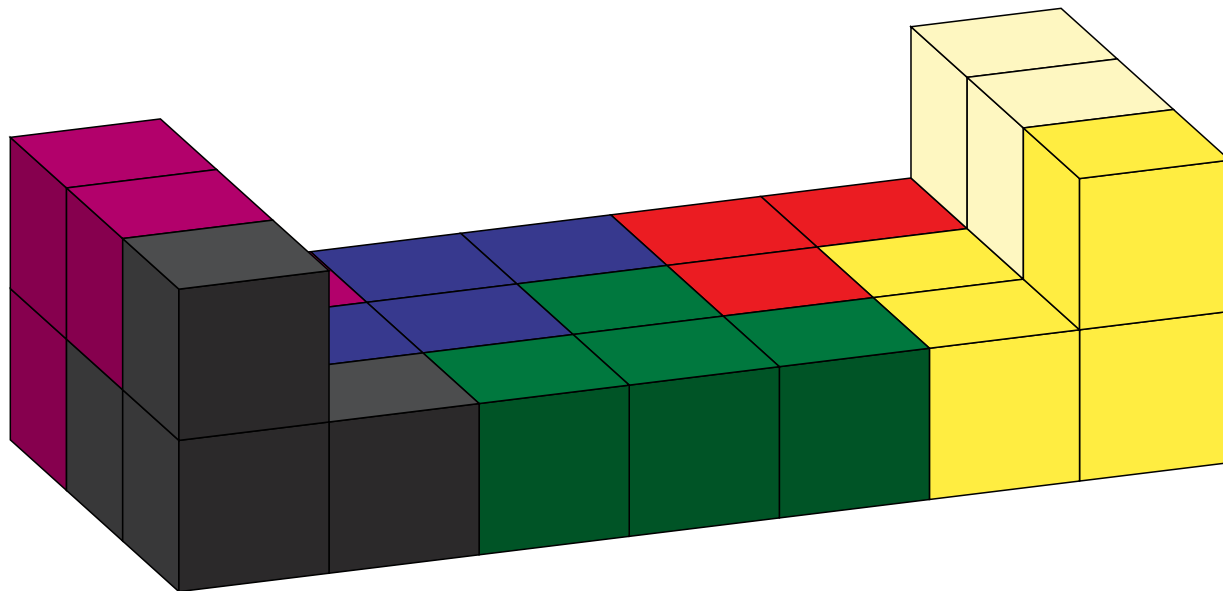
30

Aufgabe: Baue das Bett aus allen sieben Somateilen.



Bett

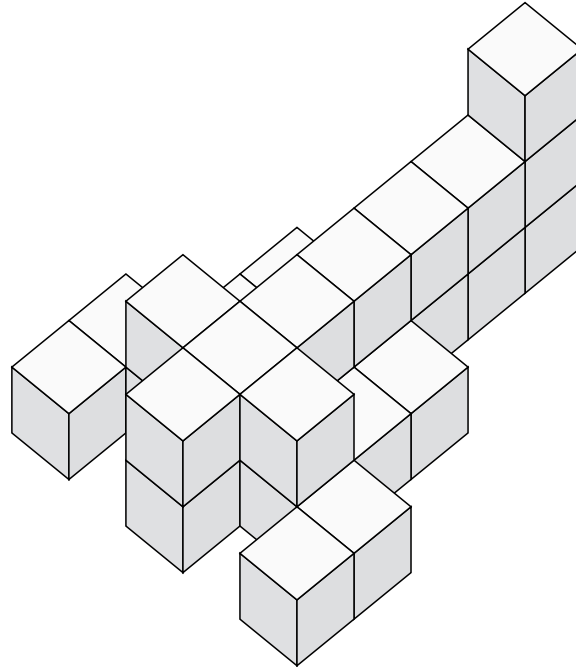




Somafiguren

31

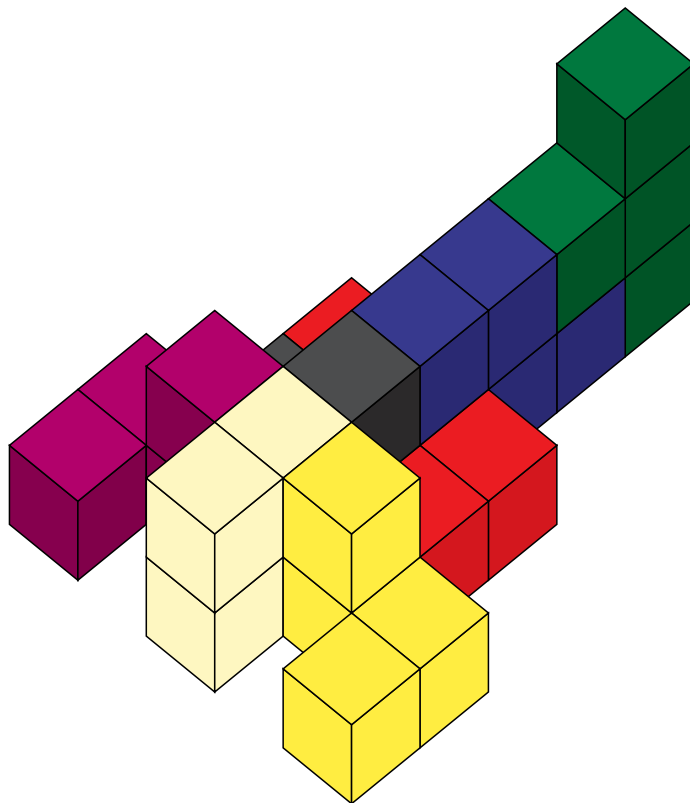
Aufgabe: Baue den Skorpion aus allen sieben Somateilen.



Skorpion



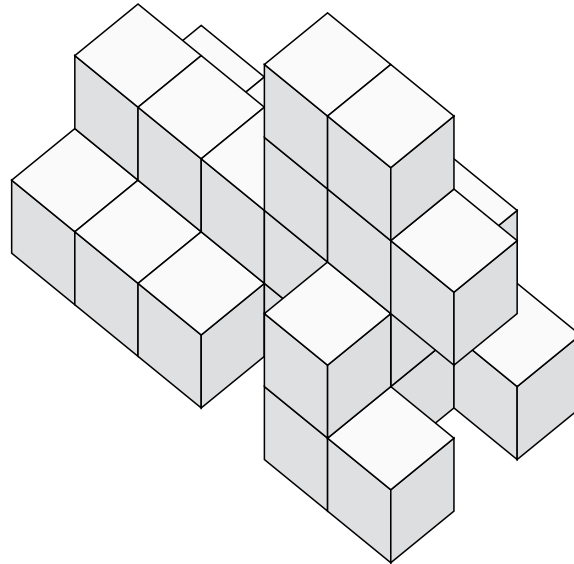
Eine mögliche Lösung



Somafiguren

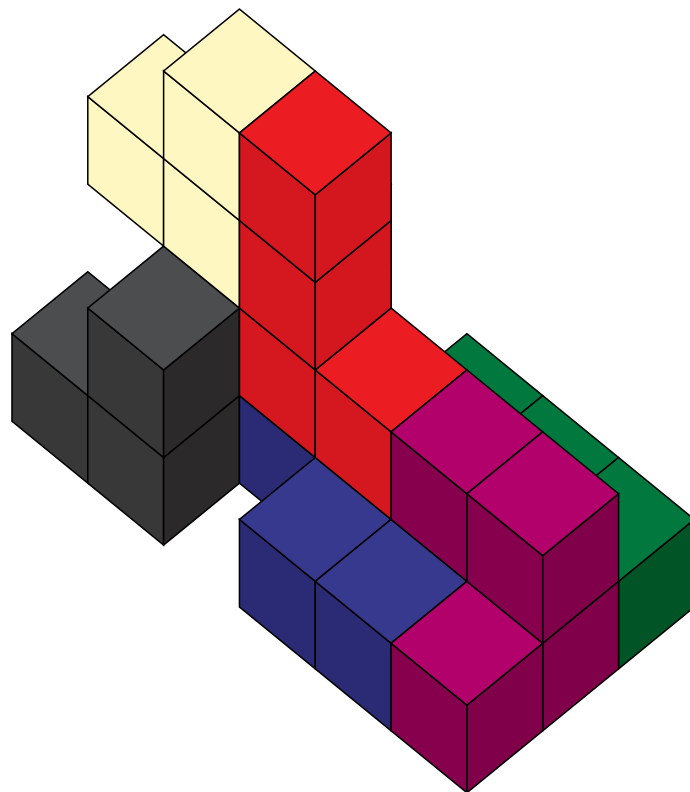
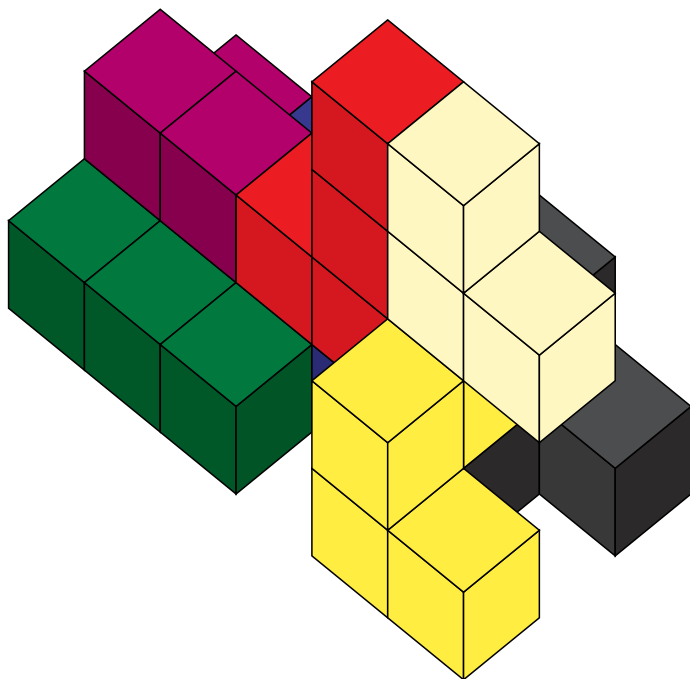
32

Aufgabe: Baue den Hund aus allen sieben Somateilen.



Hund

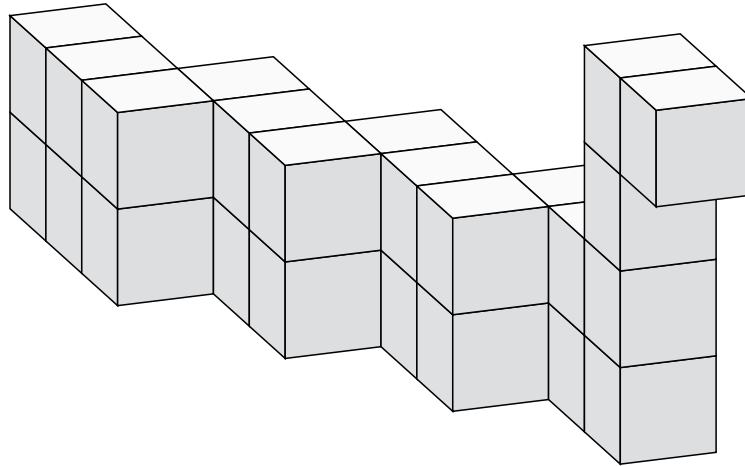




Somafiguren

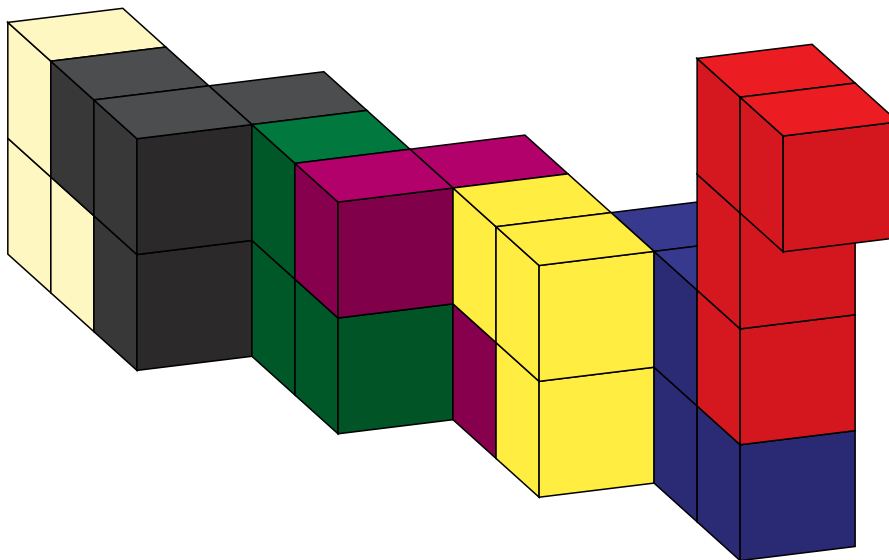
33

Aufgabe: Baue die Schlange aus allen sieben Somateilen.



Schlange

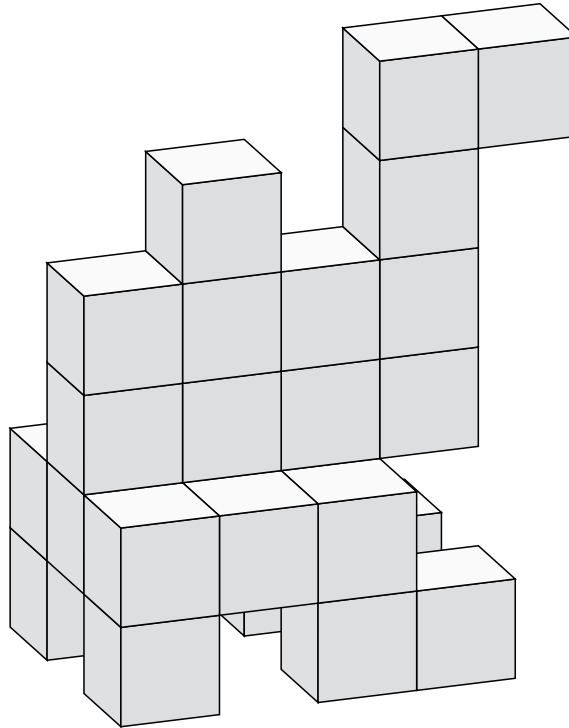




Somafiguren

34

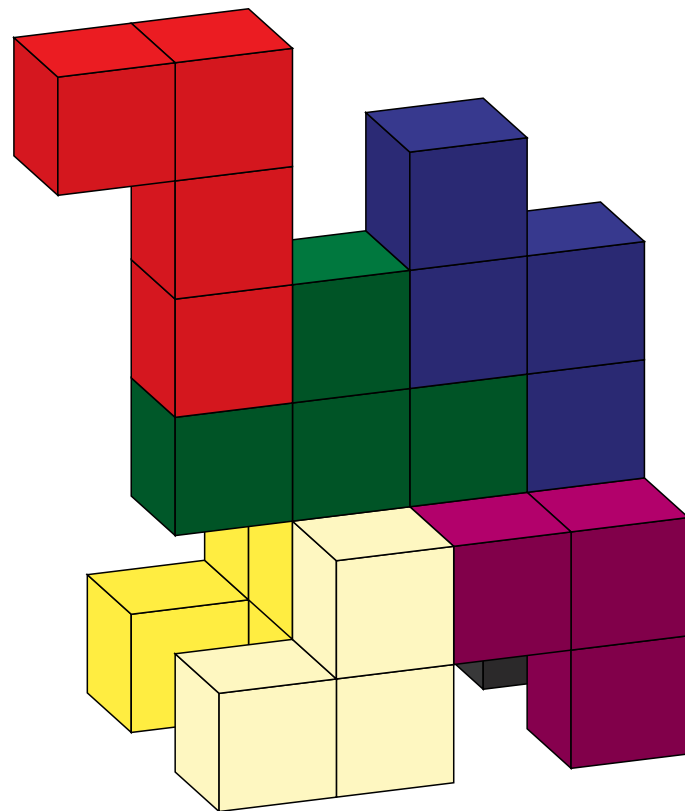
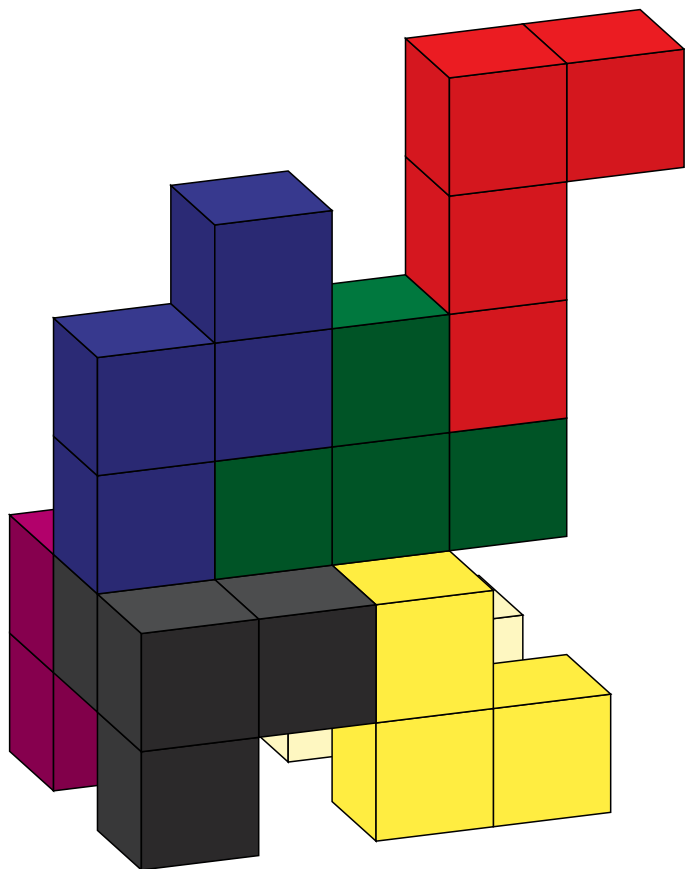
Aufgabe: Baue das Kamel aus allen sieben Somateilen.



Kamel



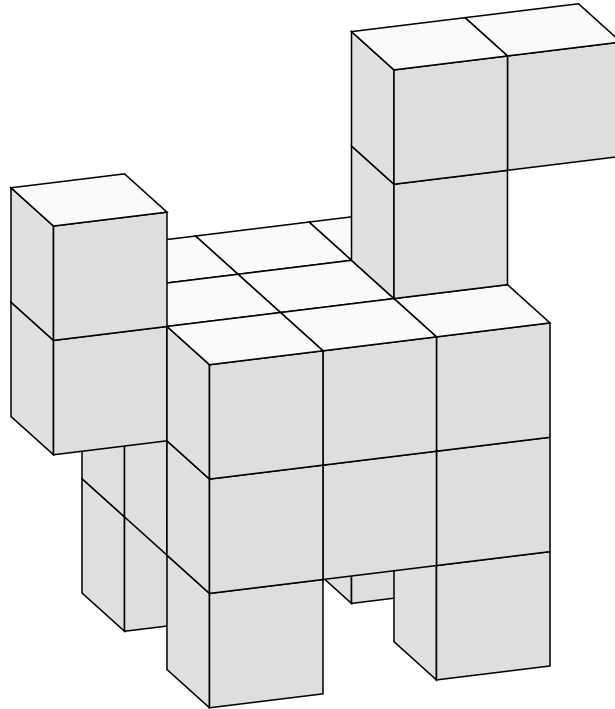
Eine mögliche Lösung



Somafiguren

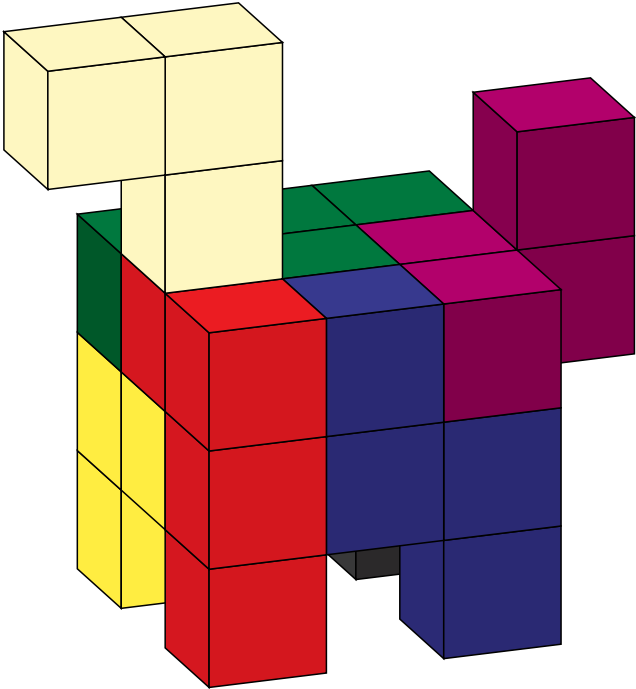
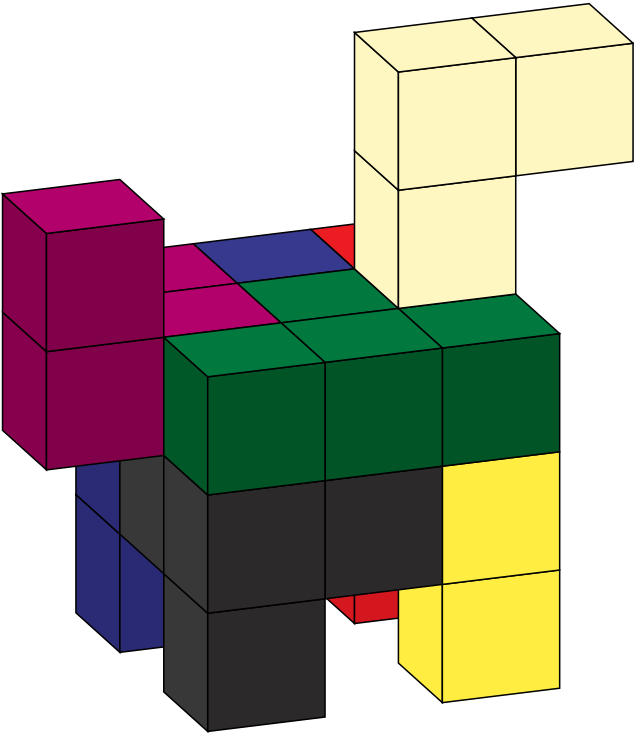
35

Aufgabe: Baue die Katze aus allen sieben Somateilen.



Katze

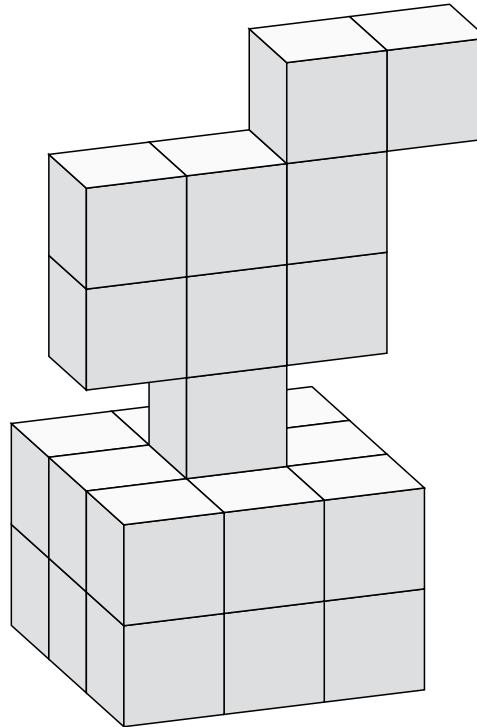




Somafiguren

36

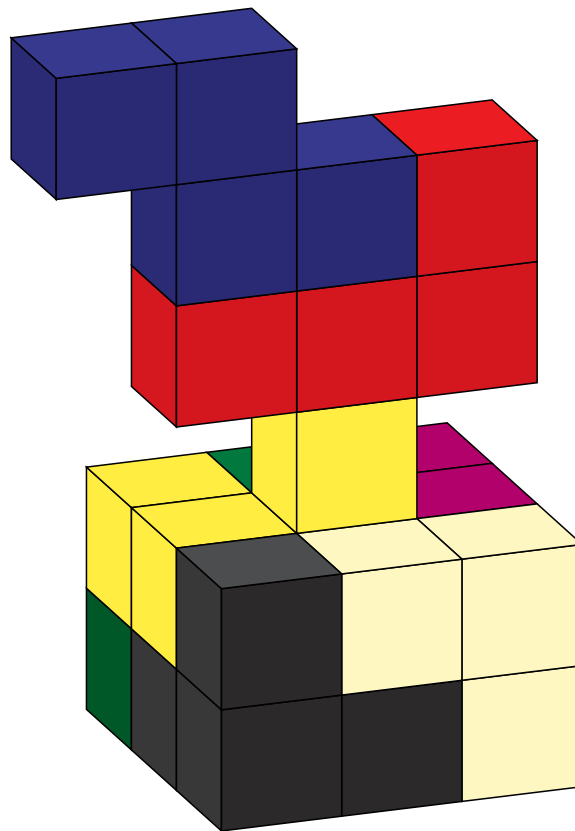
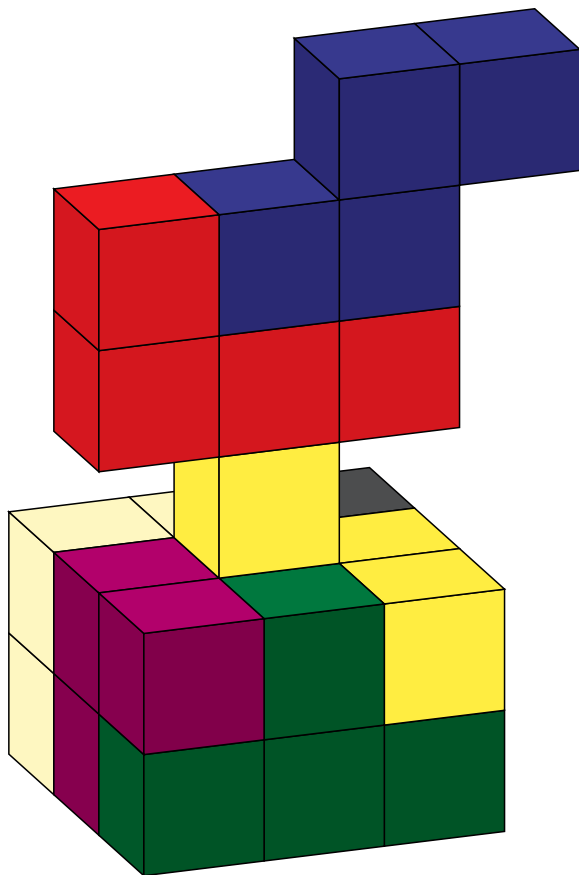
Aufgabe: Baue den Wetterhahn aus allen sieben Somateilen.



Wetterhahn



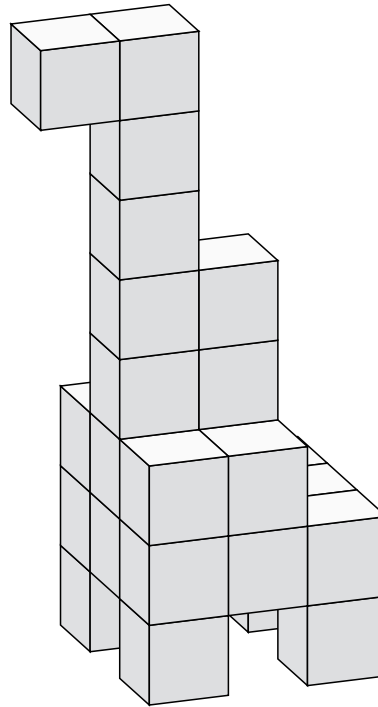
Eine mögliche Lösung



Somafiguren

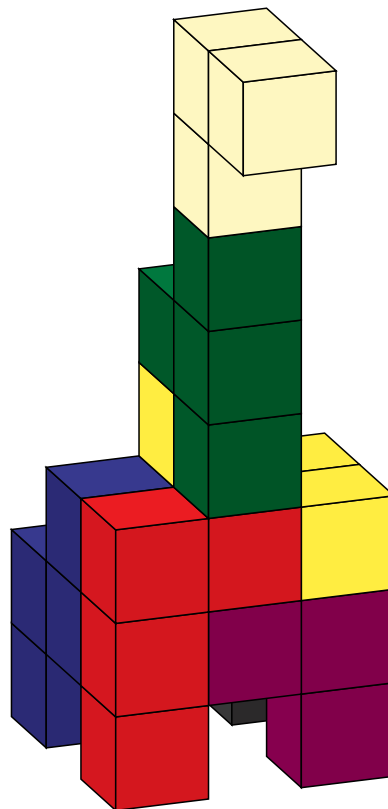
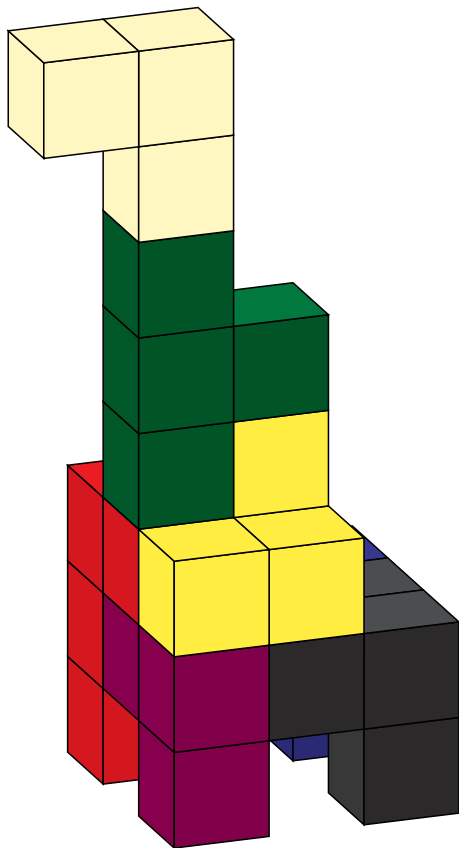
37

Aufgabe: Baue die Giraffe aus allen sieben Somateilen.



Giraffe

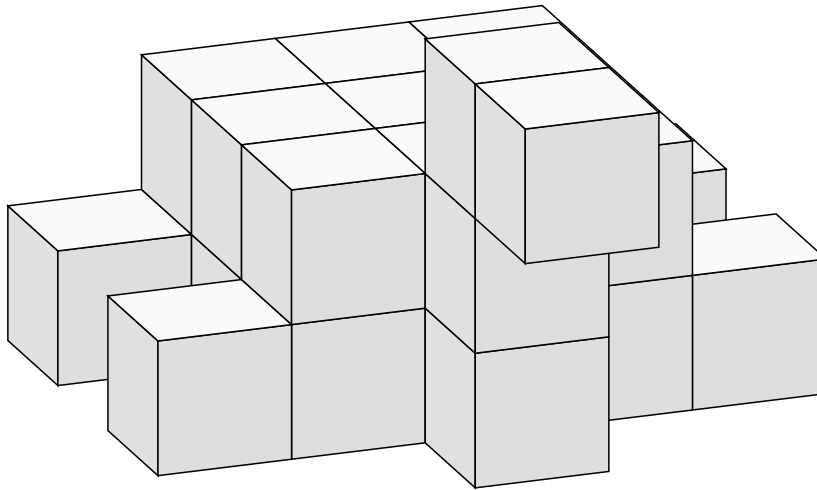




Somafiguren

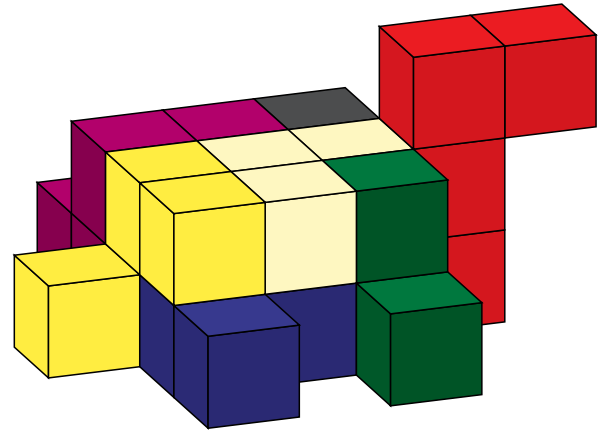
38

Aufgabe: Baue die Schildkröte aus allen sieben Somateilen.



Schildkröte

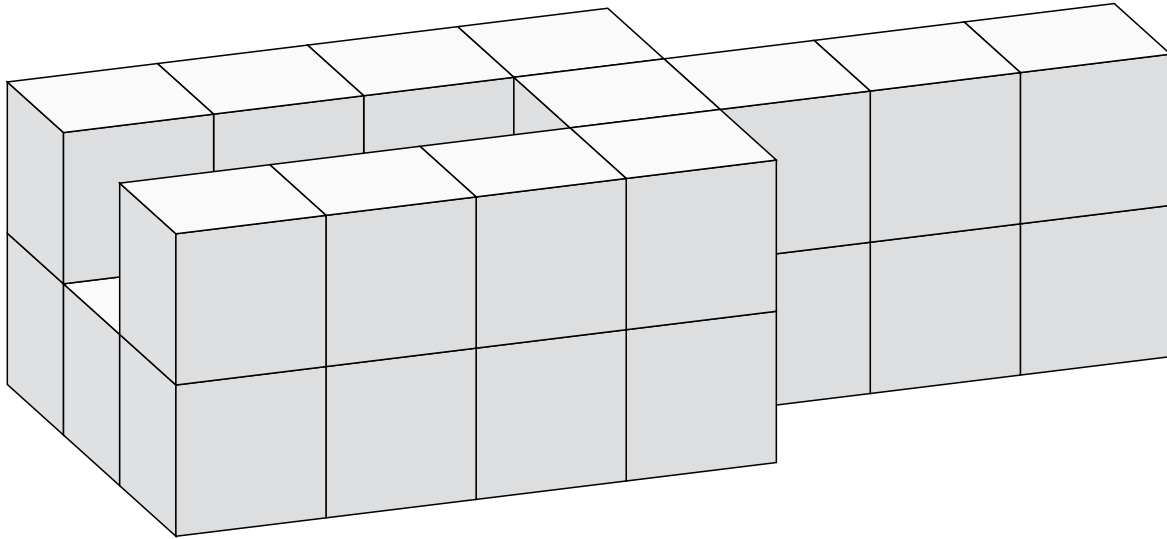




Somafiguren

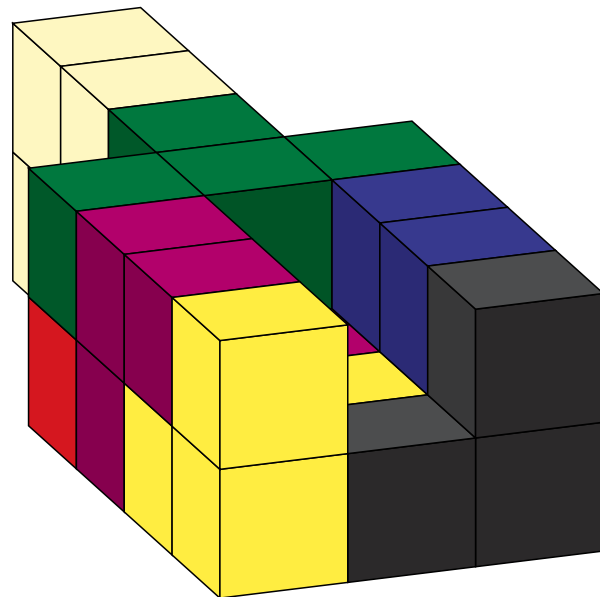
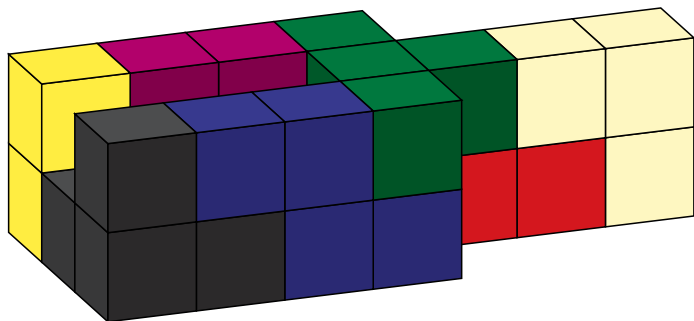
39

Aufgabe: Baue die Schaufel aus allen sieben Somateilen.



Schaufel

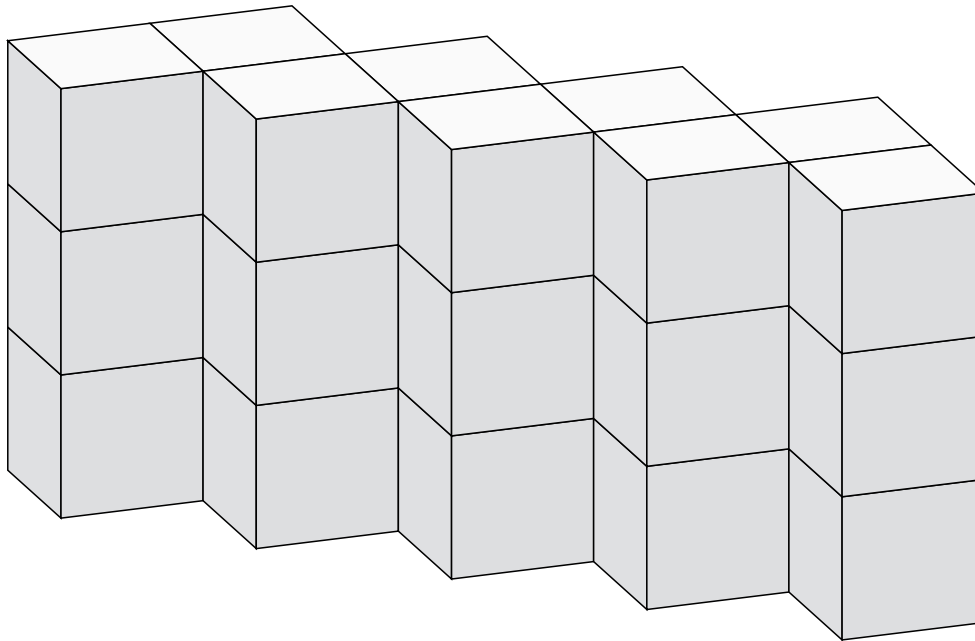




Somafiguren

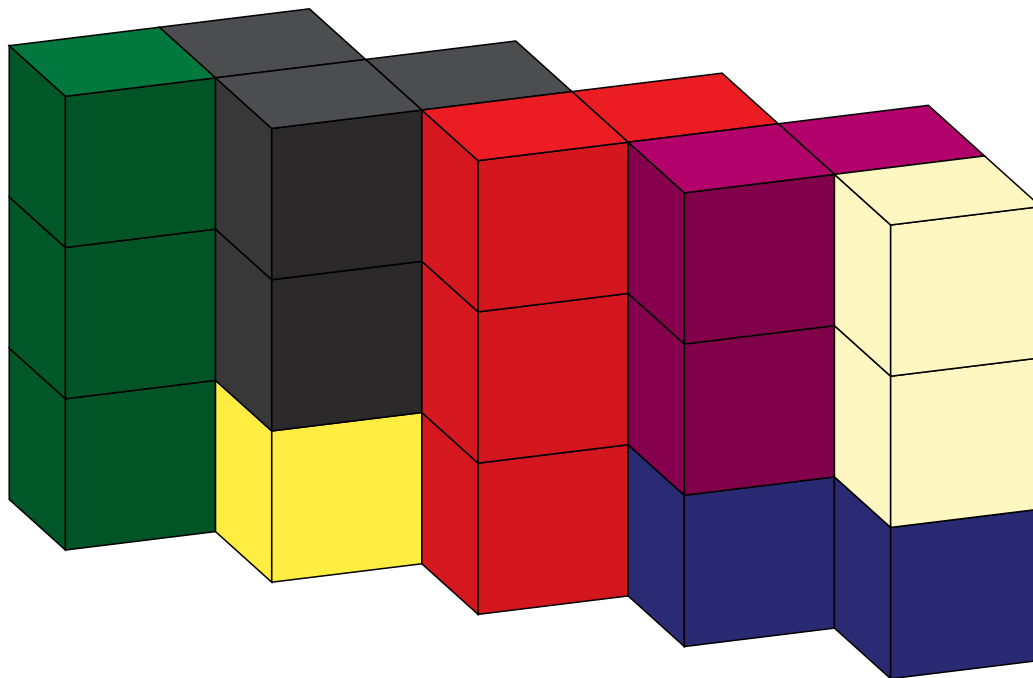
40

Aufgabe: Baue die Mauer aus allen sieben Somateilen.



Mauer

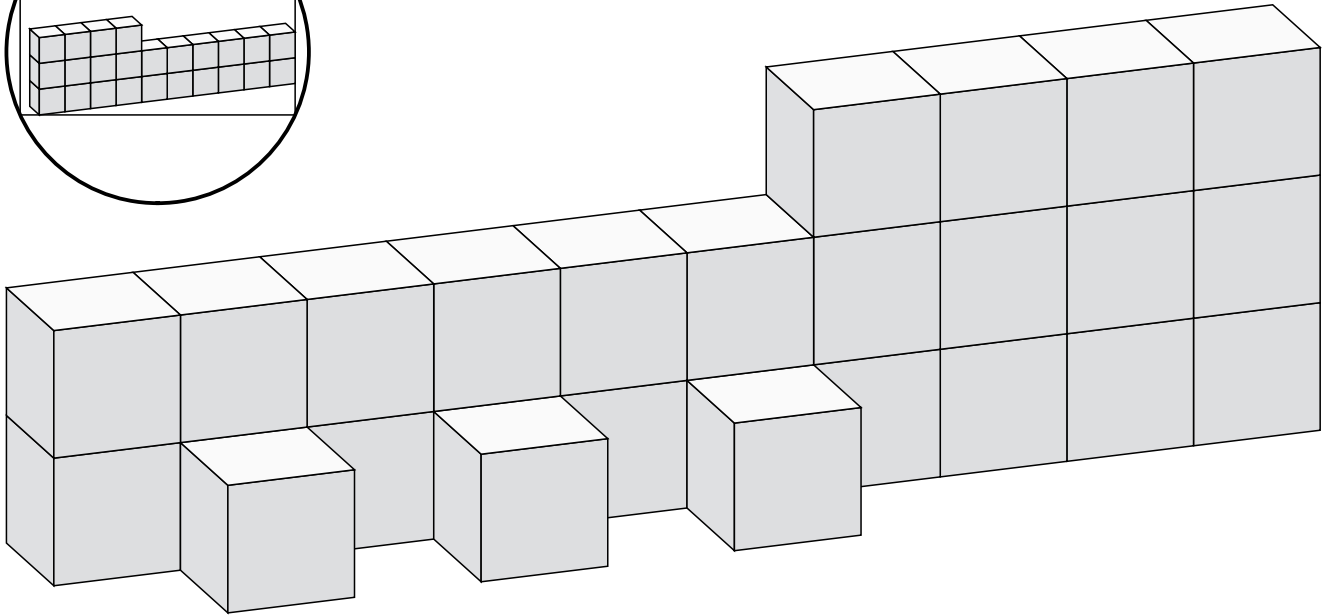
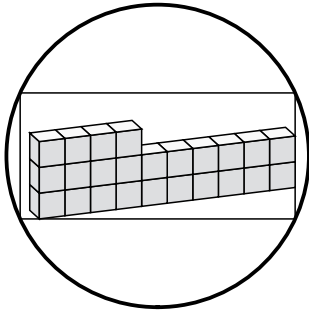




Somafiguren

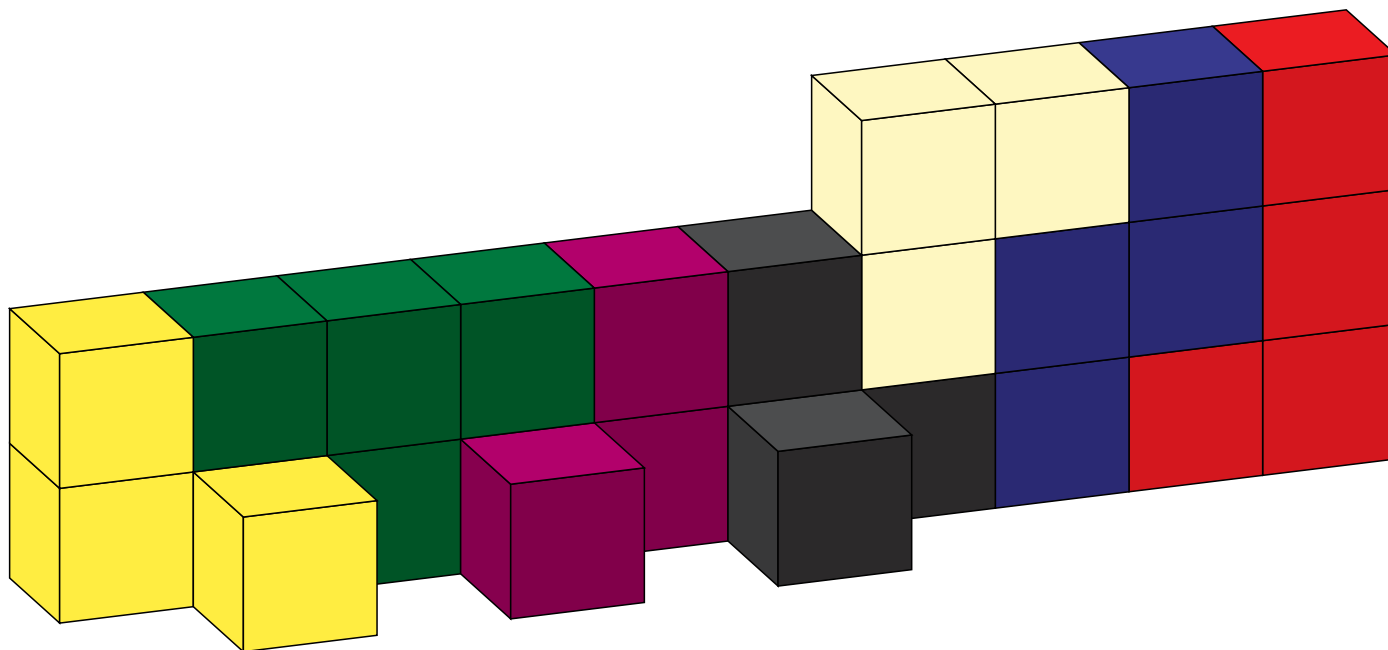
41

Aufgabe: Baue den Schlüssel aus allen sieben Somateilen.



Schlüssel







Somafiguren

Aufgabe: Baue das Soma-Würfelteil aus sechs Somateilen.

