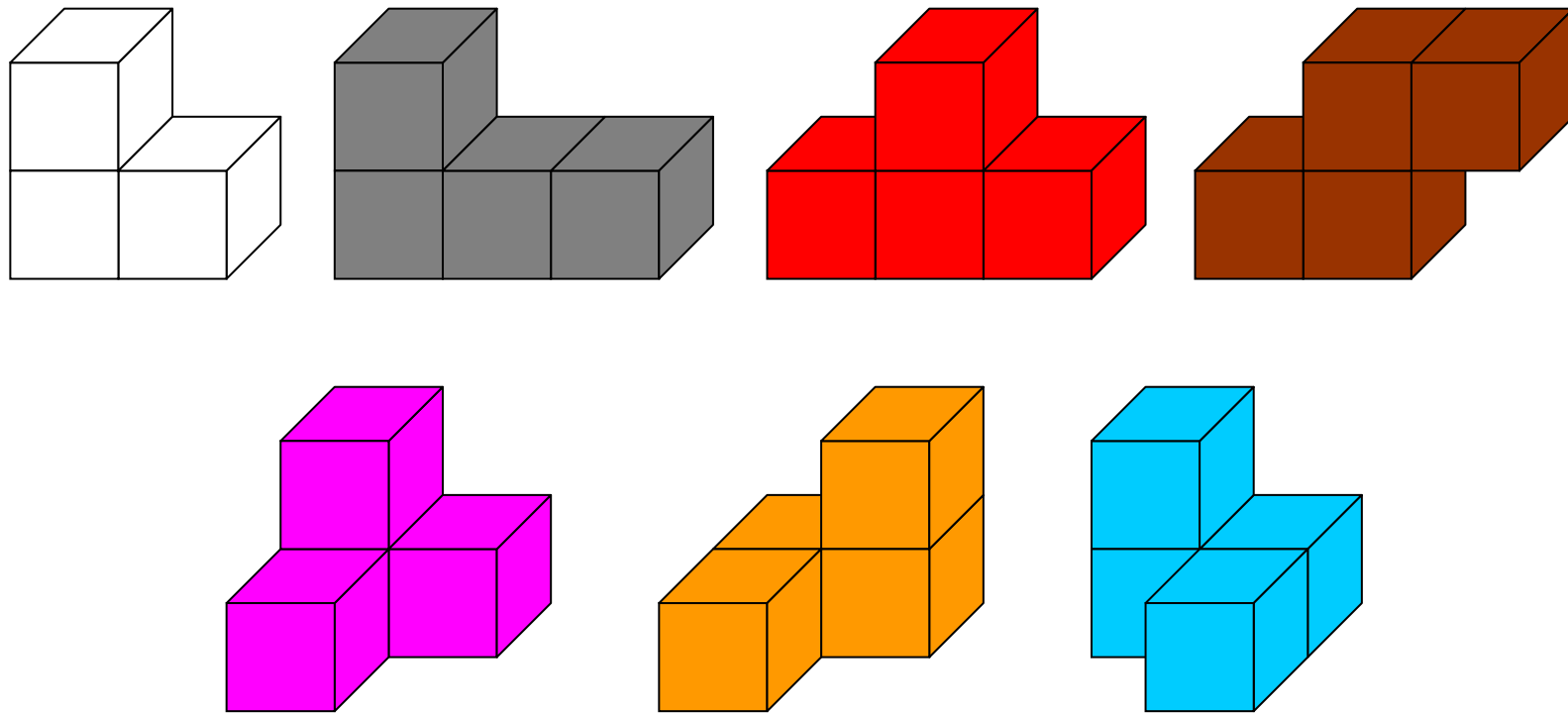
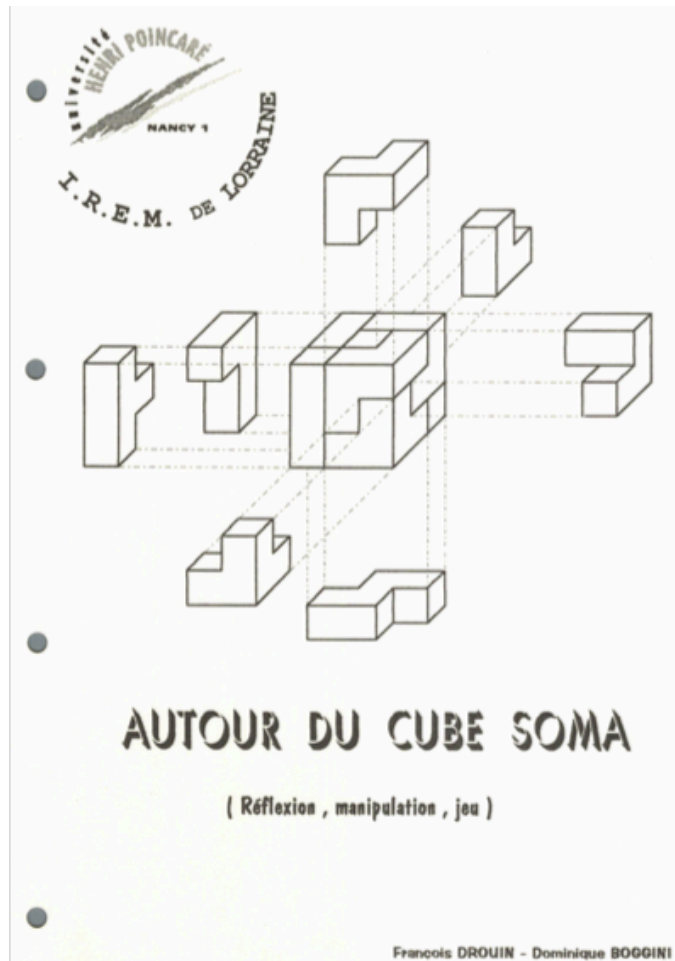


ÉTAPE APRÈS ÉTAPE, AVEC LES PIÈCES DU CUBE SOMA (Partie 1)





<http://numerisation.irem.univ-mrs.fr/LO/ILO96036/ILO96036.pdf>

Cette première partie reprend des étapes de constructions proposées dans la brochure « Autour du cube SOMA » éditée en 1995 par l'IREM de Lorraine.

Les activités avaient été imaginées pour des élèves de 6^{ème} de collège et de 5^{ème} SES (actuellement SEGPA).

En 2019, l'envie est venue de reprendre ces étapes de construction pour les proposer à de jeunes enfants et les adultes de leur entourage. Les propositions des pages 17 et 18 intéresseront les enfants plus âgés et les adultes.

<http://apmeplorraine.fr/spip.php?article412> Les couleurs sont celles utilisées lors des utilisations dans le département de la Meuse et dans les documents déposés sur le site de la régionale APMEP Lorraine.

http://apmeplorraine.fr/IMG/pdf/1_polycubes_2019.pdf Les utilisateurs de notre exposition régionale retrouveront des pièces de mêmes couleurs parmi les pièces proposées dans le stand « 1 – Polycubes ».

En complément

https://www.apmep.fr/IMG/pdf/Cube_Soma_TE_FD.pdf

Étape par étape, neuf façons différentes de construire le cube avec les sept pièces.

<https://melusine.eu.org/syracuse/poulecl/Cubes/Cubes.pdf>

De la page 27 à la page 31, des constructions pièce par pièce d'un certain nombre de solides.

https://www.educmat.fr/categories/jeux_reflexion/fiches_jeux/cubesoma/index.php

Des propositions de construction avec 3, 4, 5, 6 ou 7 pièces. Les étapes pièce par pièce ne sont pas fournies.

<https://fam-bundgaard.dk/SOMA/SOMA.HTM>

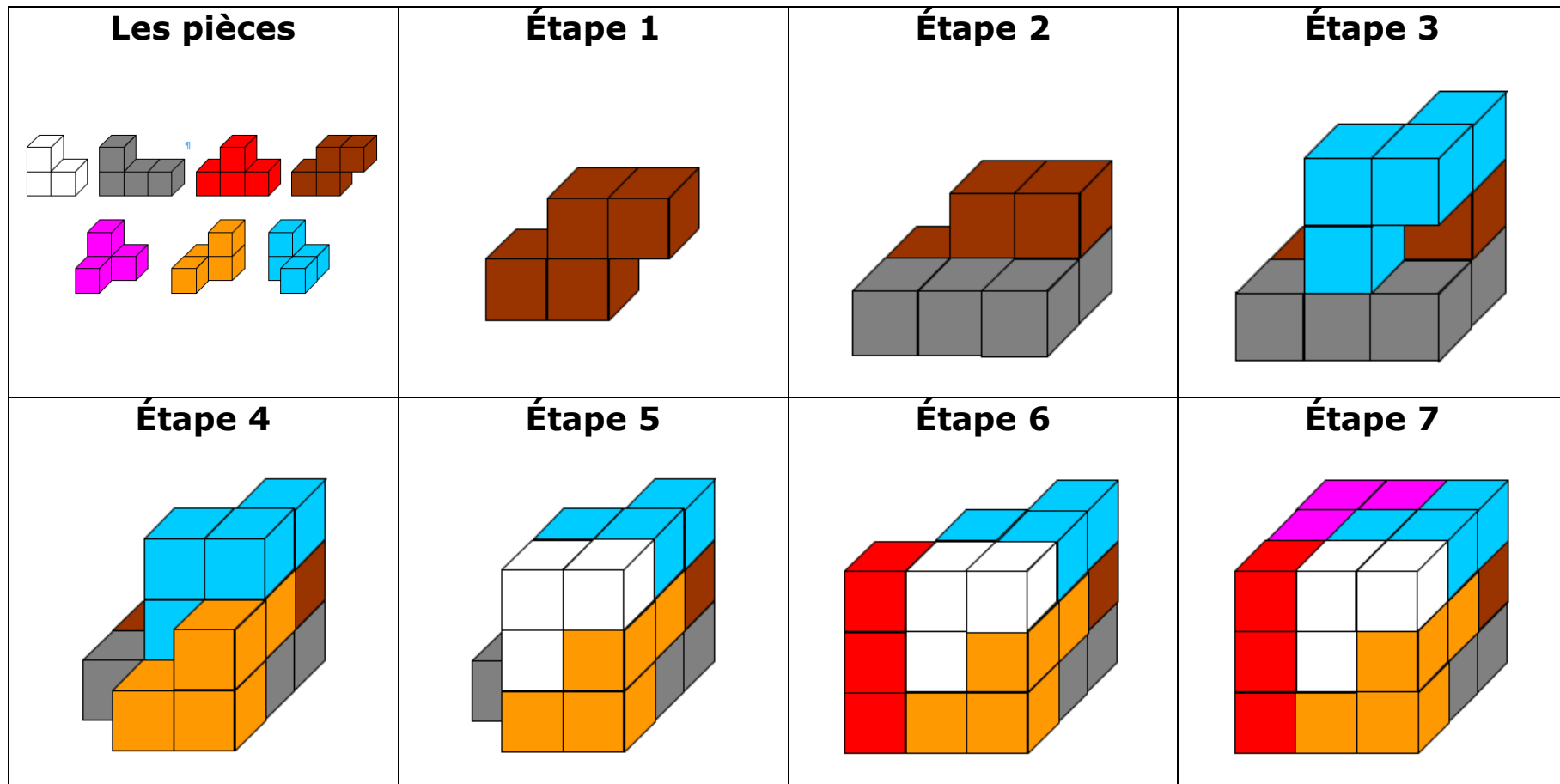
Depuis un certain nombre d'années, c'est le site de référence des amateurs du cube SOMA.

https://www.educmat.fr/categories/jeux_reflexion/fiches_jeux/cubesoma/thorleif.pdf

De très nombreuses réalisations avec les sept pièces. Les étapes pièces par pièce ne sont pas fournies.

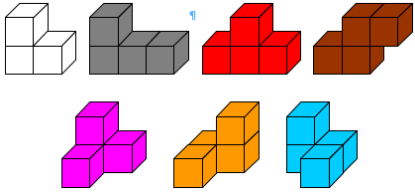
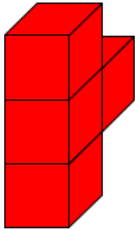
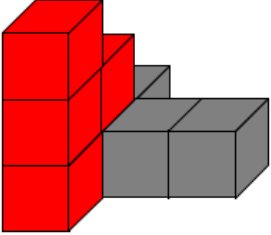
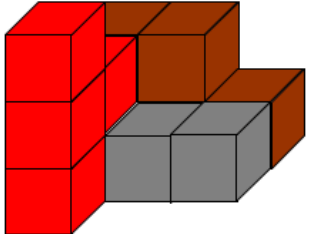
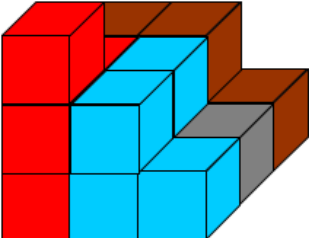
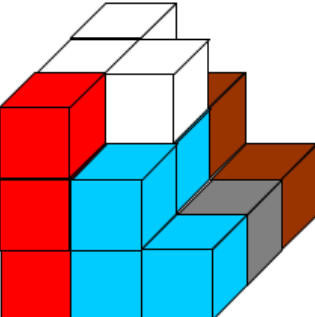
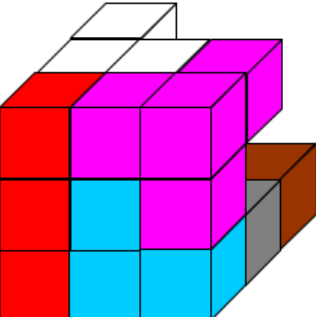
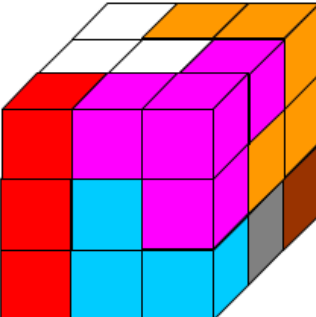
Un premier cube page 42

<http://numerisation.irem.univ-mrs.fr/LO/ILO96036/ILO96036.pdf>



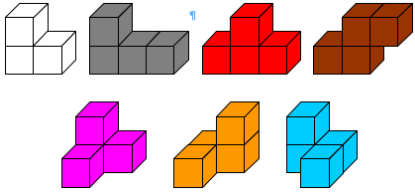
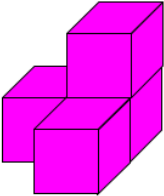
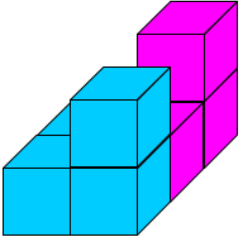
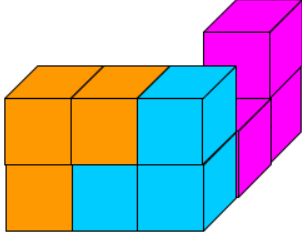
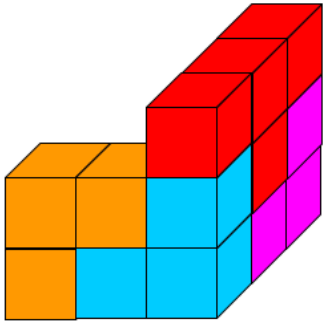
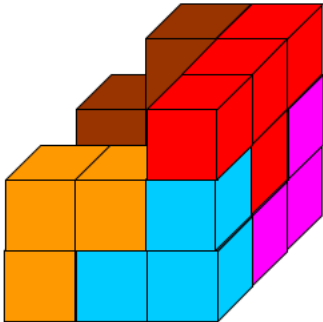
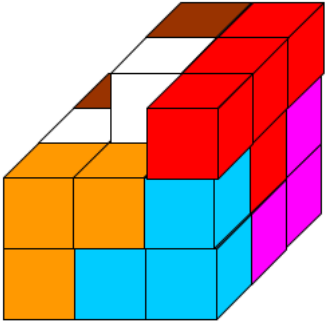
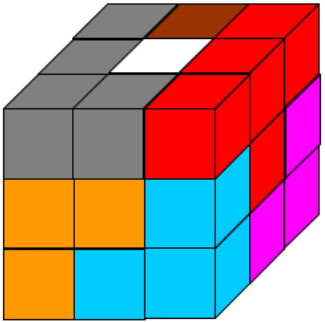
Un deuxième cube page 42

<http://numerisation.irem.univ-mrs.fr/LO/ILO96036/ILO96036.pdf>

Les pièces	Étape 1	Étape 2	Étape 3
			
Étape 4	Étape 5	Étape 6	Étape 7
			

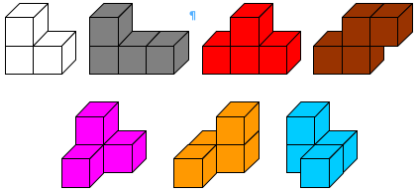
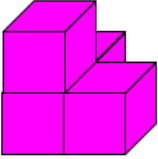
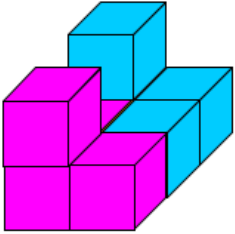
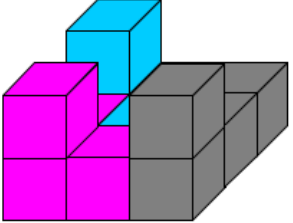
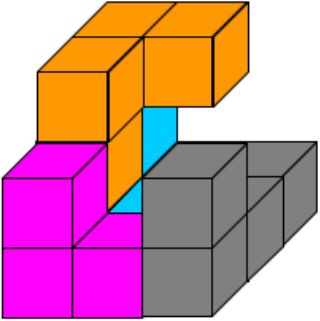
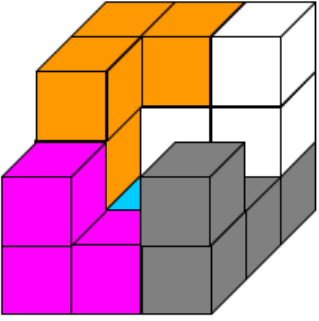
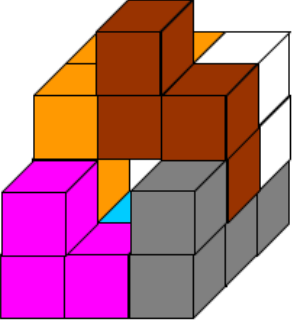
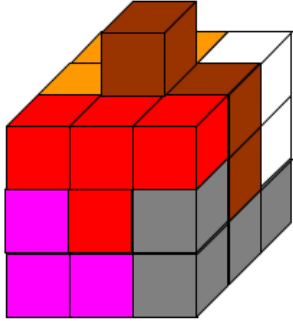
Une solution de 4^{ème} A.S. page 45

<http://numerisation.irem.univ-mrs.fr/LO/ILO96036/ILO96036.pdf>

Les pièces	Étape 1	Étape 2	Étape 3
			
Étape 4	Étape 5	Étape 6	Étape 7
			

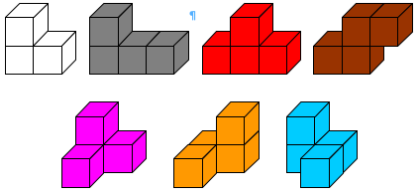
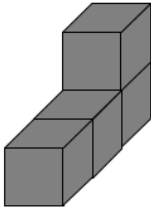
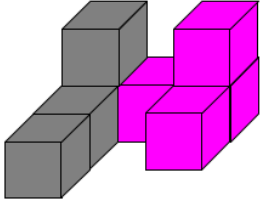
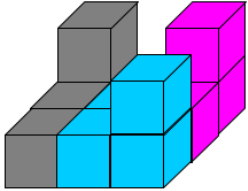
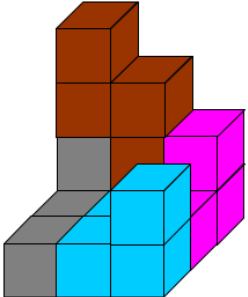
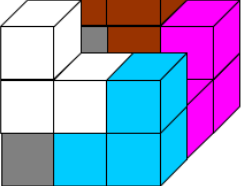
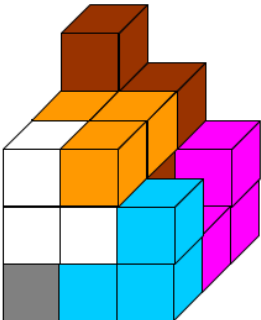
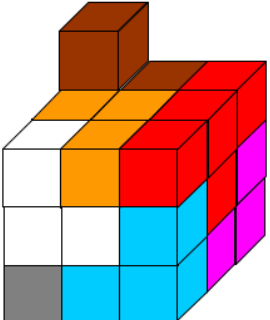
Un petit cube sur le cube (1) page 41

<http://numerisation.irem.univ-mrs.fr/LO/ILO96036/ILO96036.pdf>

Les pièces	Étape 1	Étape 2	Étape 3
			
Étape 4	Étape 5	Étape 6	Étape 7
			

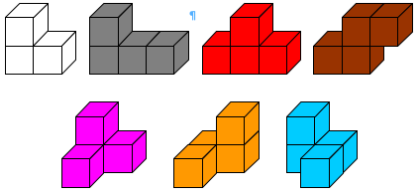
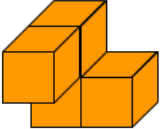
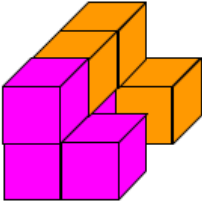
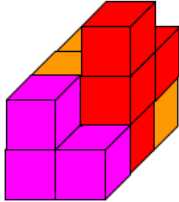
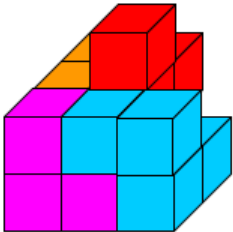
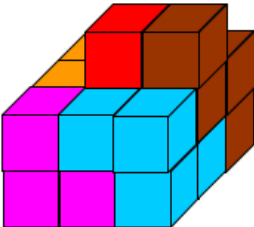
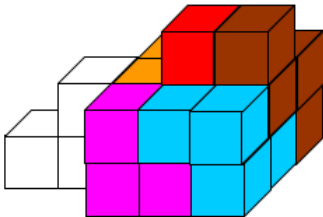
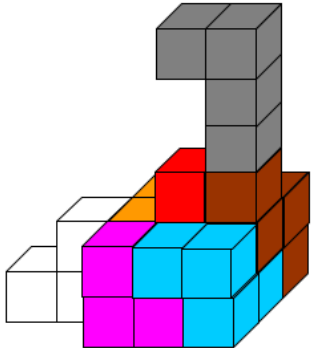
Un petit cube sur le cube (2) page 41

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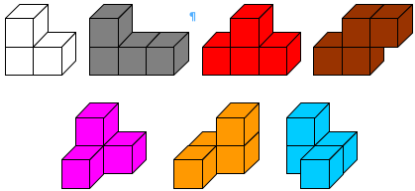
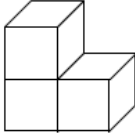
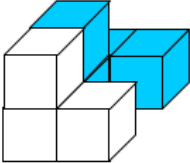
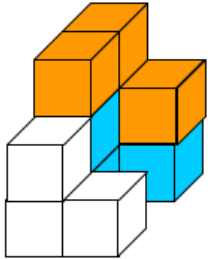
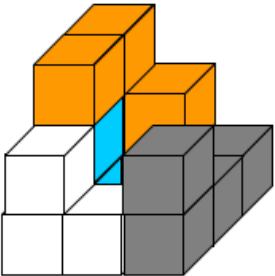
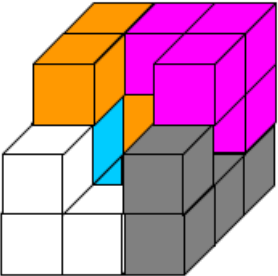
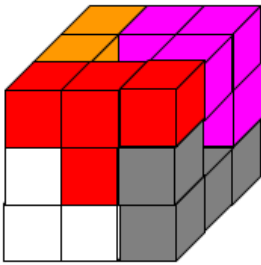
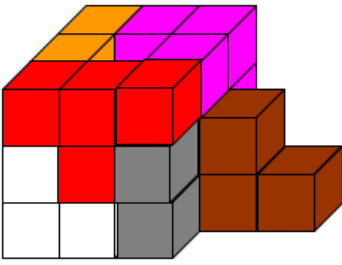
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Les pièces	Étape 1	Étape 2	Étape 3
			
Étape 4	Étape 5	Étape 6	Étape 7
			

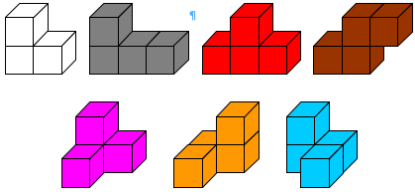
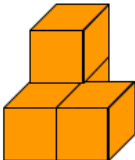
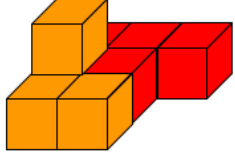
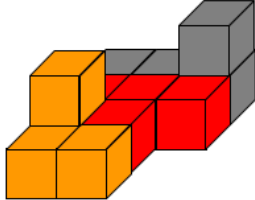
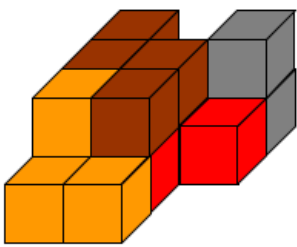
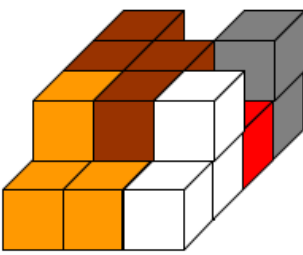
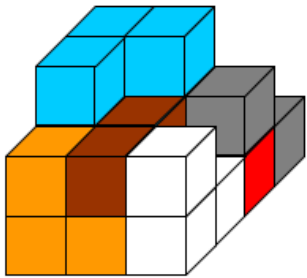
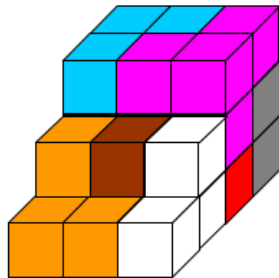
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Les pièces	Étape 1	Étape 2	Étape 3
			
Étape 4	Étape 5	Étape 6	Étape 7
			

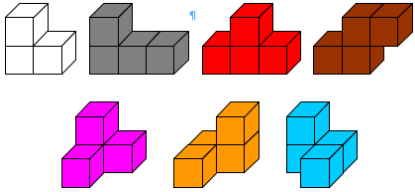
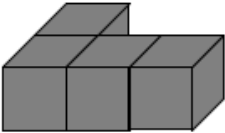
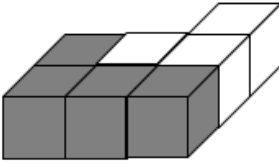
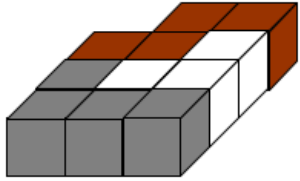
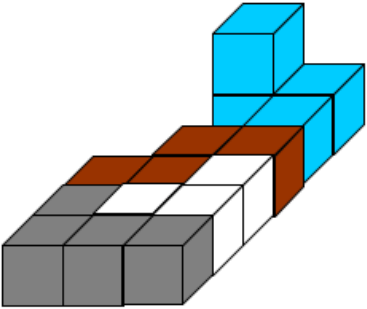
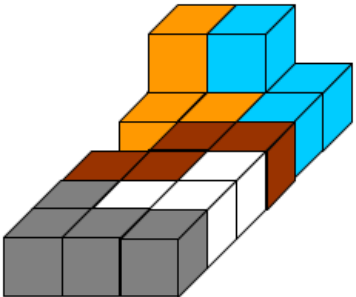
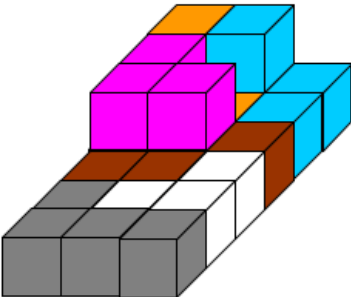
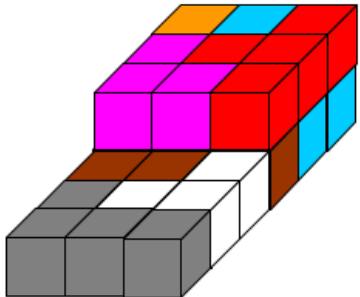
L'escalier à trois marches page 59

<http://numerisation.irem.univ-mrs.fr/LO/ILO96036/ILO96036.pdf>

Les pièces	Étape 1	Étape 2	Étape 3
			
Étape 4	Étape 5	Étape 6	Étape 7
			

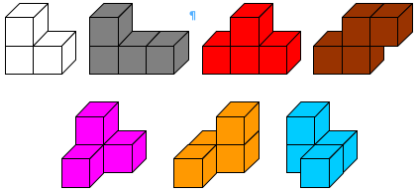
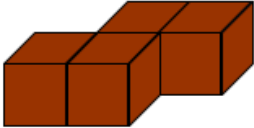
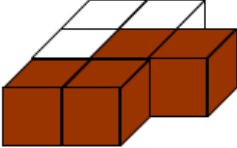
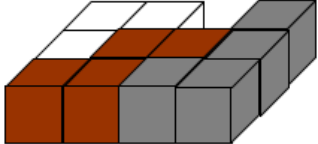
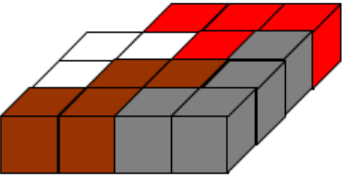
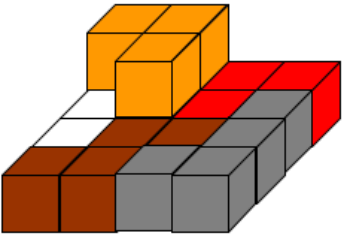
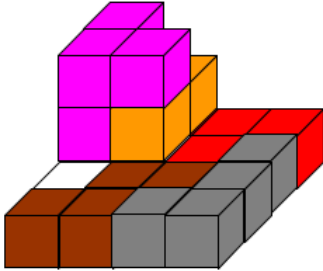
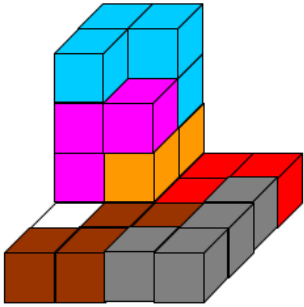
L'escalier à deux marches page 59

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Les pièces	Étape 1	Étape 2	Étape 3
			
Étape 4	Étape 5	Étape 6	Étape 7
			

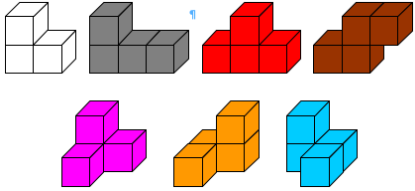
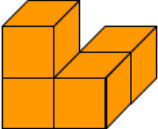
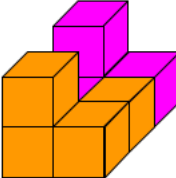
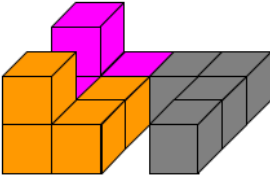
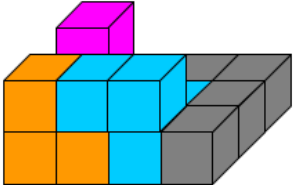
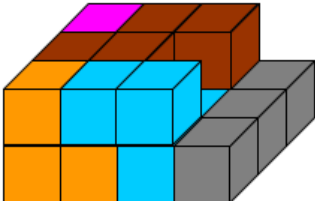
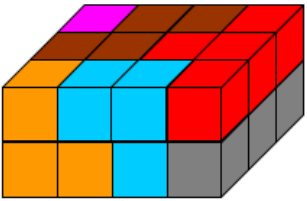
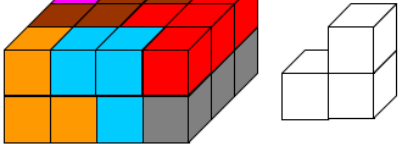
La fontaine page 60

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Les pièces	Étape 1	Étape 2	Étape 3
			
Étape 4	Étape 5	Étape 6	Étape 7
			

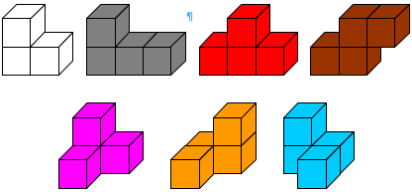
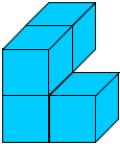
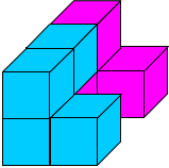
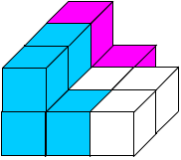
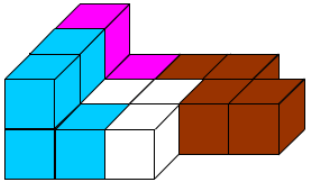
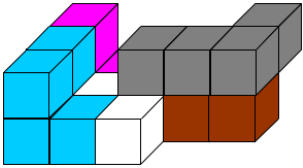
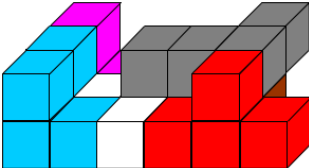
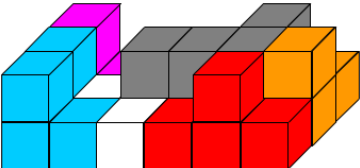
Le salon de jardin page 60

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Les pièces	Étape 1	Étape 2	Étape 3
			
Étape 4	Étape 5	Étape 6	Étape 7
			

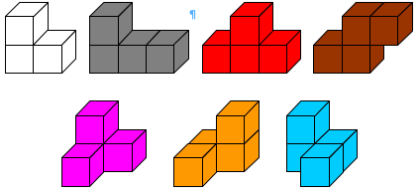
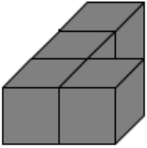
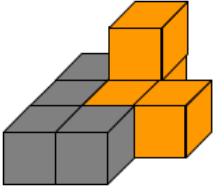
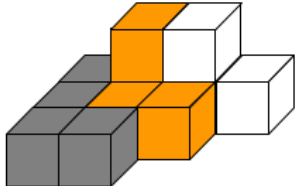
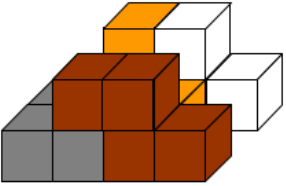
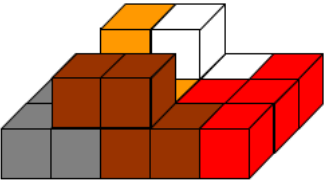
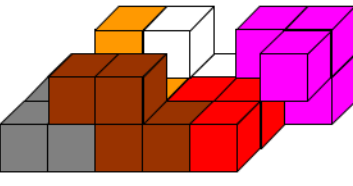
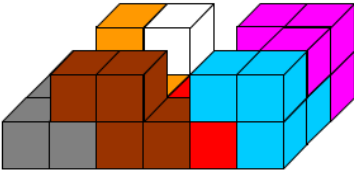
Une tombe (1) page 55

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Les pièces	Étape 1	Étape 2	Étape 3
			
Étape 4	Étape 5	Étape 6	Étape 7
			

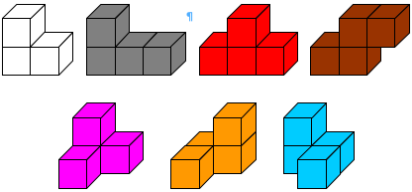
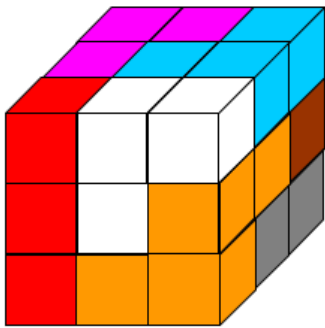
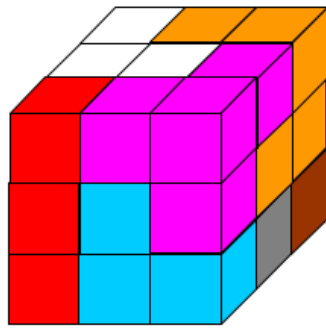
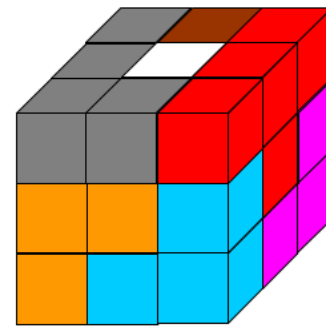
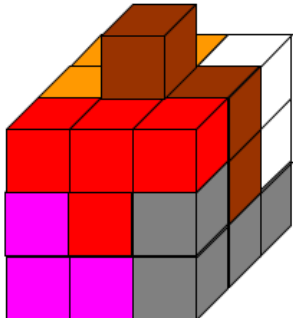
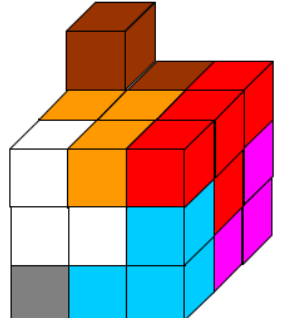
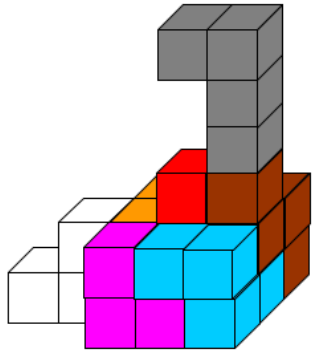
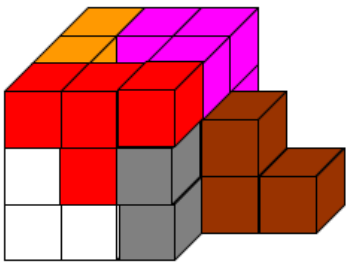
Une tombe (2) page 55

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Les pièces	Étape 1	Étape 2	Étape 3
			
Étape 4	Étape 5	Étape 6	Étape 7
			

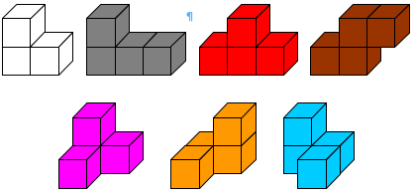
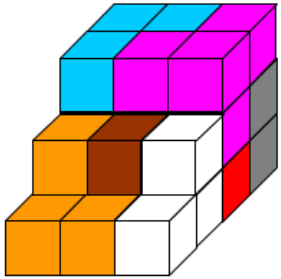
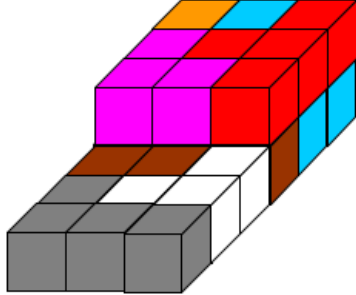
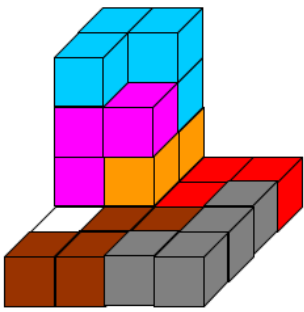
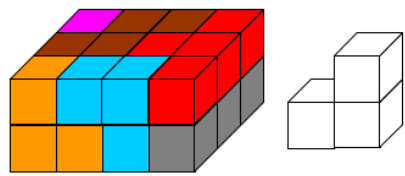
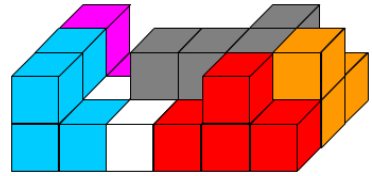
Les sept pièces assemblées

<http://numerisation.irem.univ-mrs.fr/LO/ILO96036/ILO96036.pdf>

<p>Les pièces</p> 	<p>Un premier cube</p> 	<p>Un deuxième cube</p> 	<p>Le cube de 4^{ème} A.S.</p> 
<p>Un petit cube sur le cube (1)</p> 	<p>Un petit cube sur le cube (2)</p> 	<p>La potence</p> 	<p>Le puits</p> 

Les sept pièces assemblées

<http://numerisation.irem.univ-mrs.fr/LO/ILO96036/ILO96036.pdf>

<p>Les pièces</p> 	<p>L'escalier à trois marches</p> 	<p>L'escalier à deux marches</p> 	<p>La fontaine</p> 
<p>Le salon de jardin</p> 	<p>Une tombe (1)</p> 	<p>Une tombe (2)</p> 