

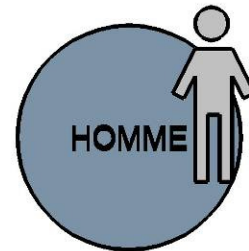
OPERATIONS
SPATIALES
FONDAMENTALES

LA
DIMENSION FORMELLE
EN ARCHITECTURE

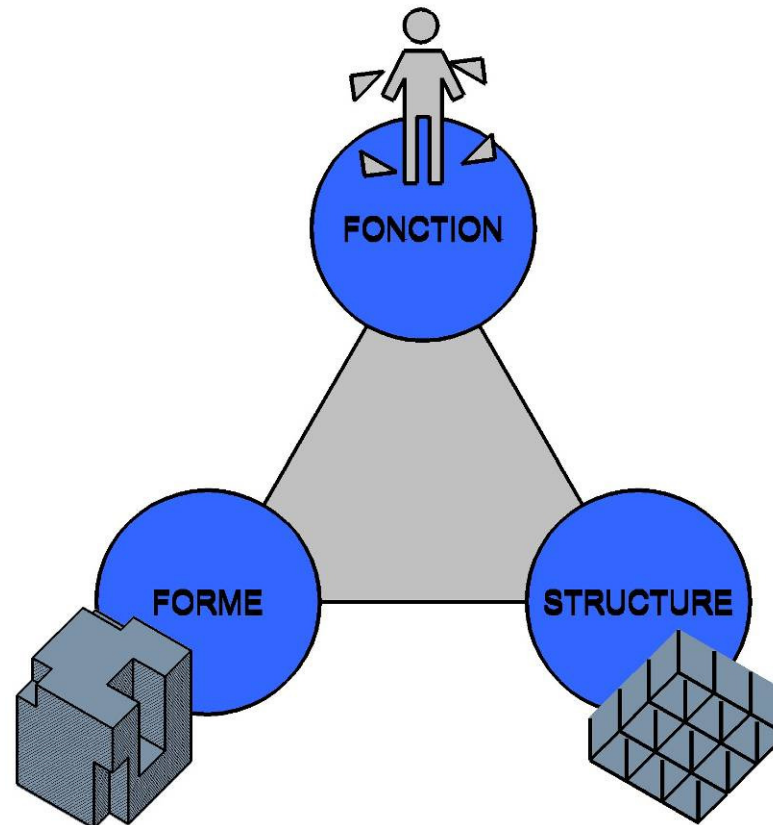
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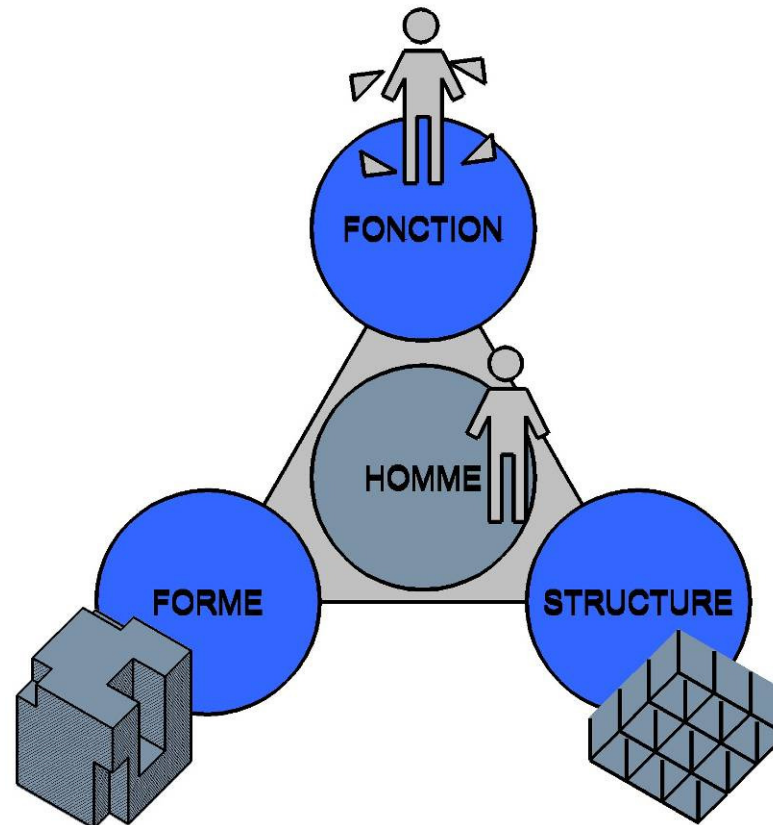
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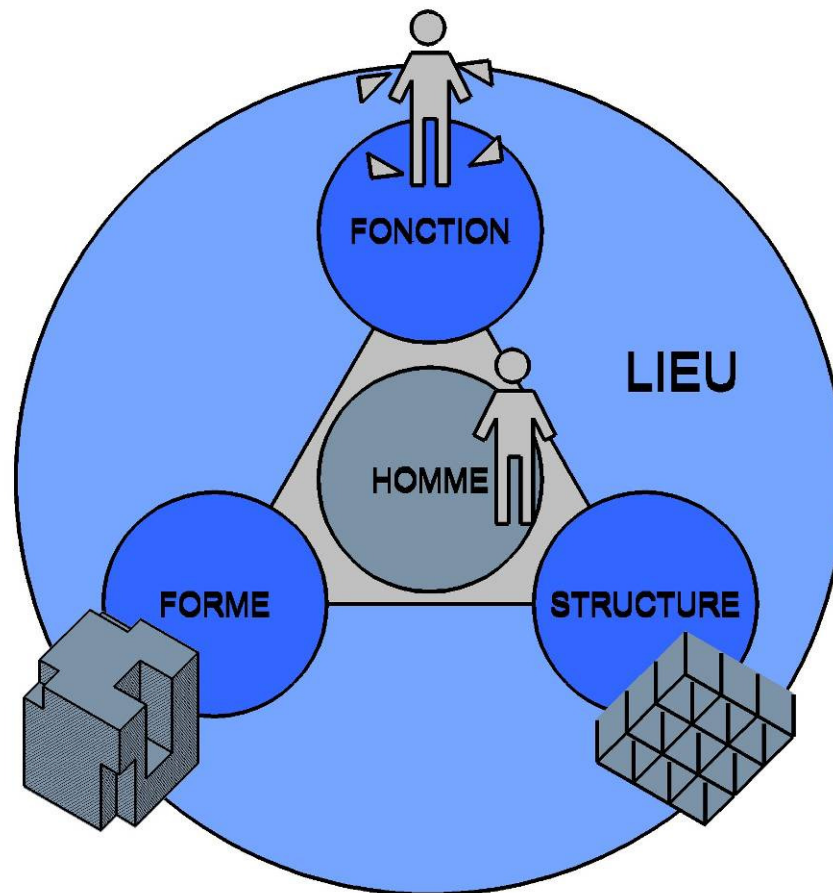
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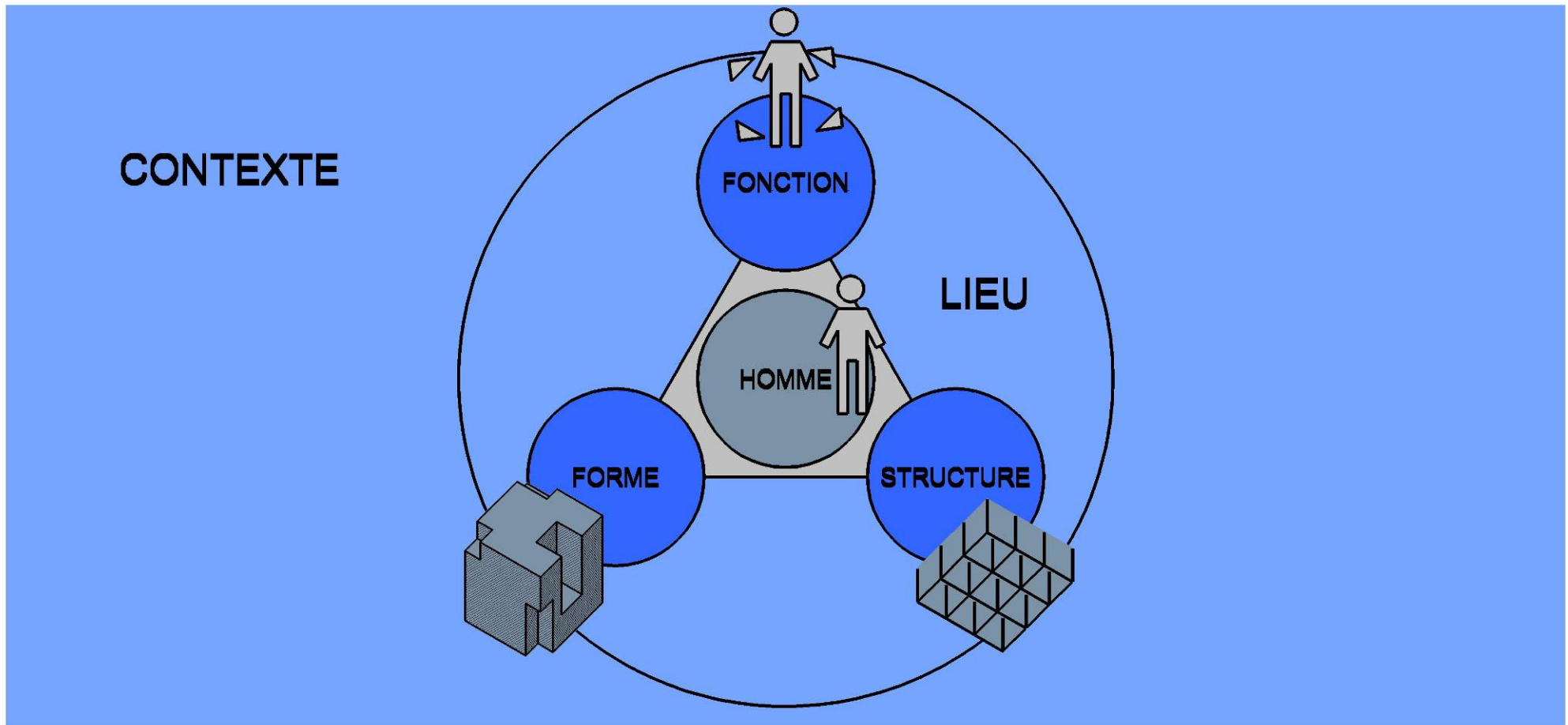
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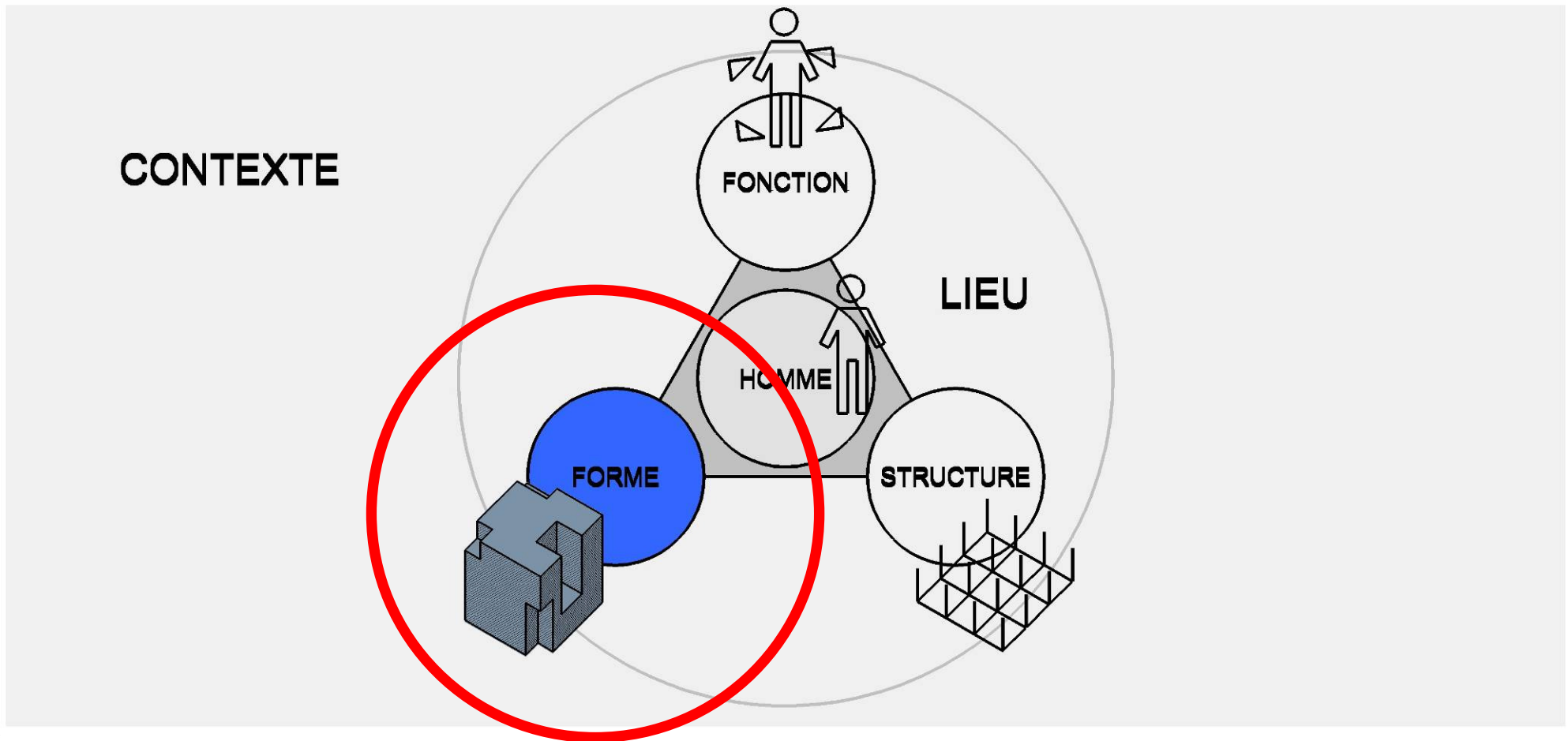
1. L'ARCHITECTURE



1. L'ARCHITECTURE



1. L'ARCHITECTURE

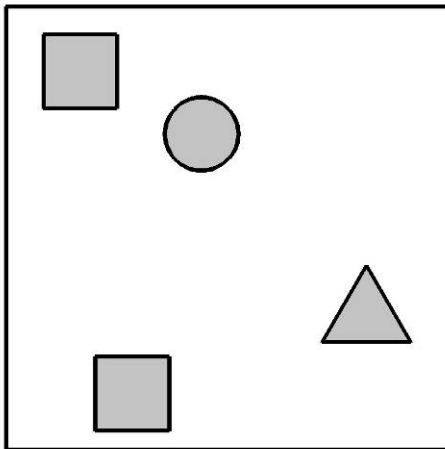
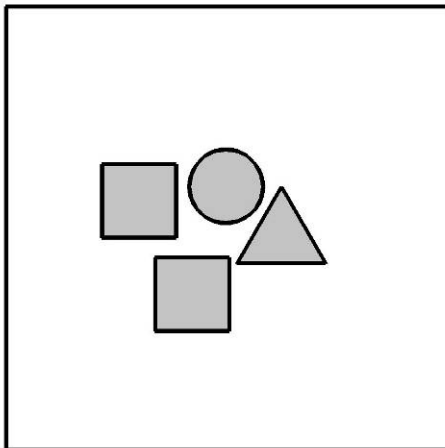


LES RAPPORTS
TOPOLOGIQUES
ENTRE LES OBJETS

2



1. LE RAPPORT DE VOISINAGE



Moshe Safdie, Habitat 67, Montréal (Canada), 1967.

FORME

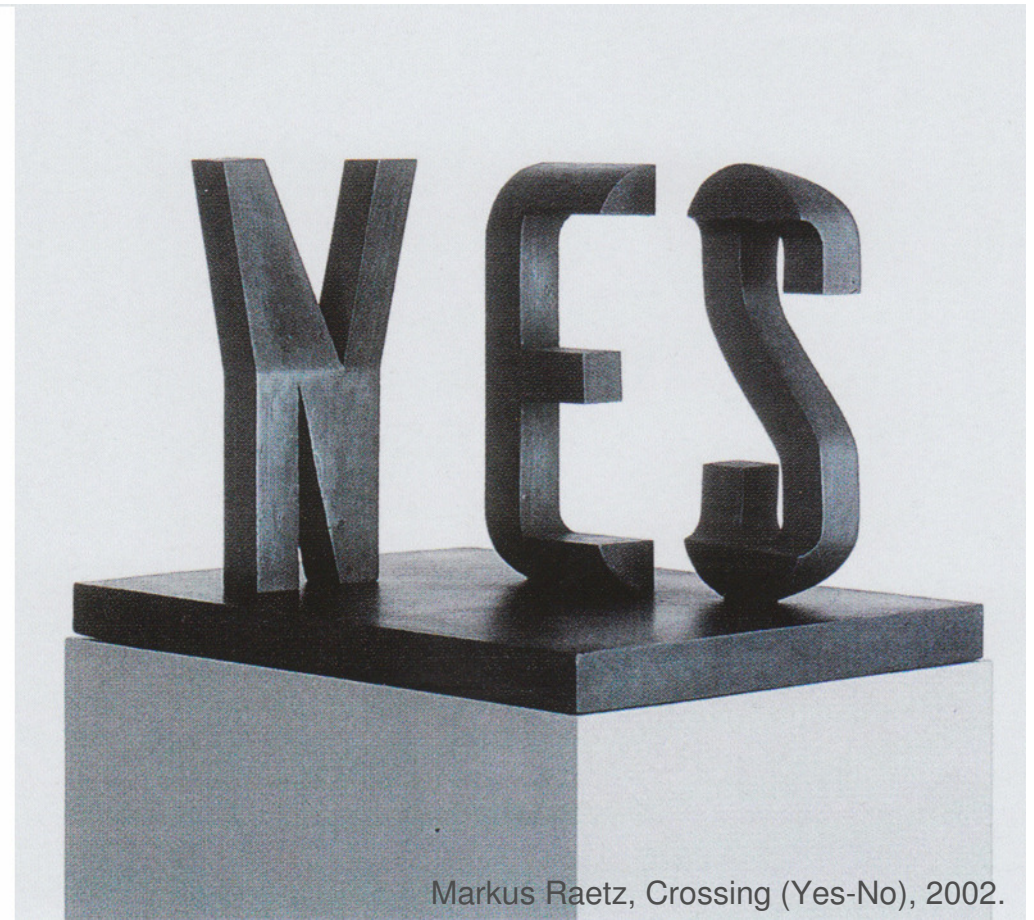
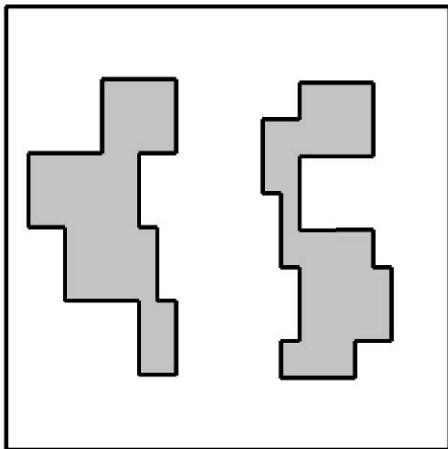
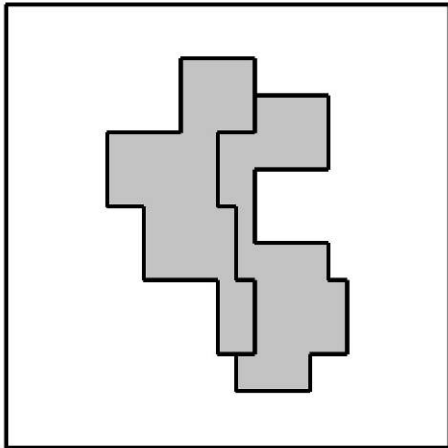
TOPOLOGIE

GESTALT

OPERATIONS

SYNTHESE

2. LE RAPPORT DE SEPARATION



Markus Raetz, Crossing (Yes-No), 2002.

FORME

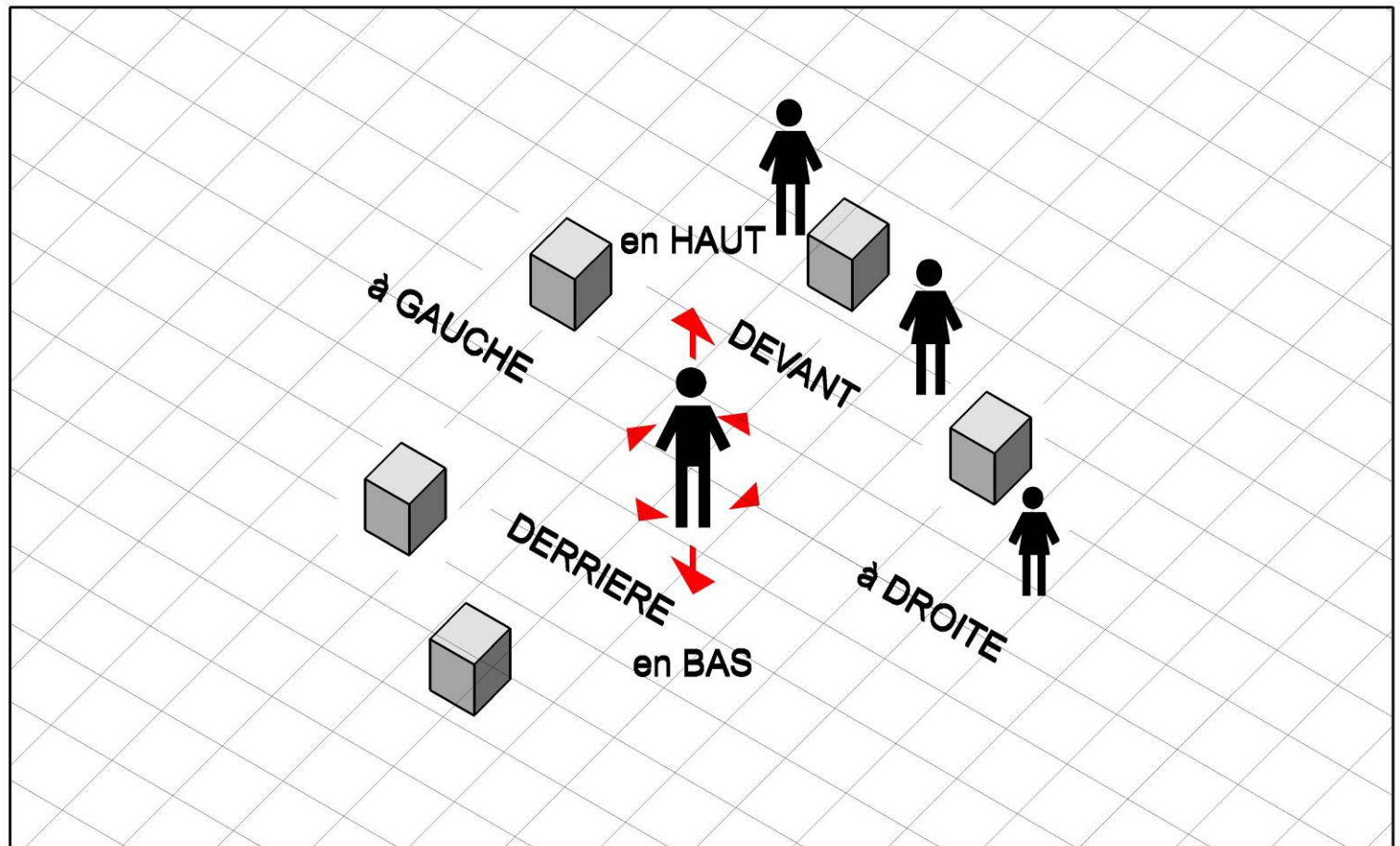
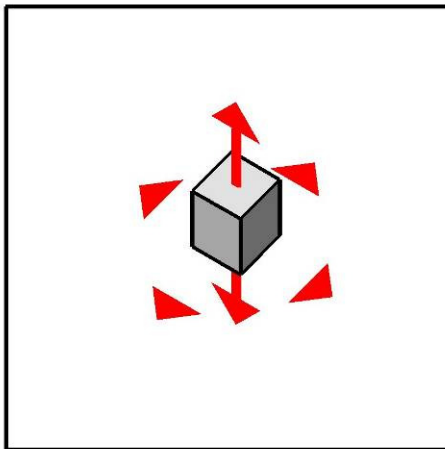
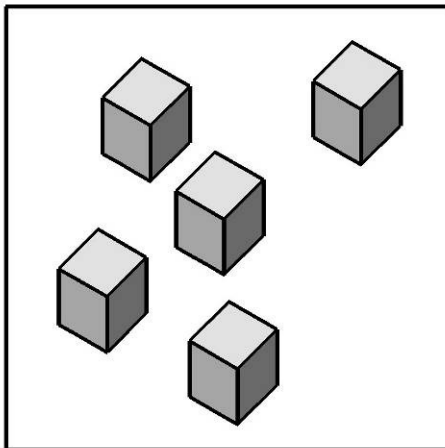
TOPOLOGIE

GESTALT

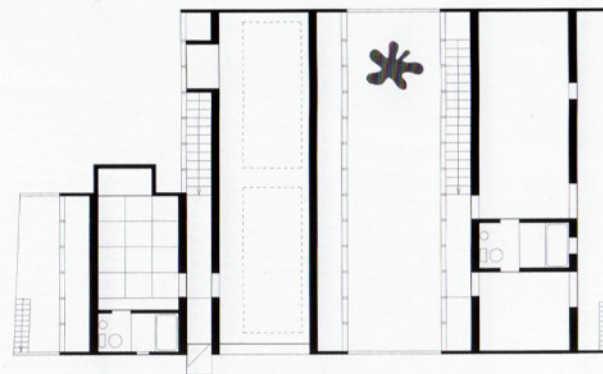
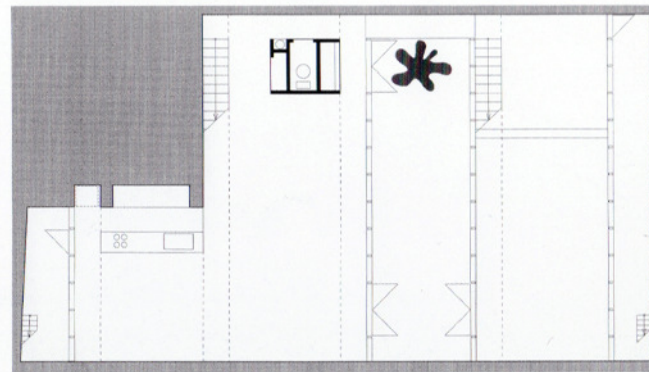
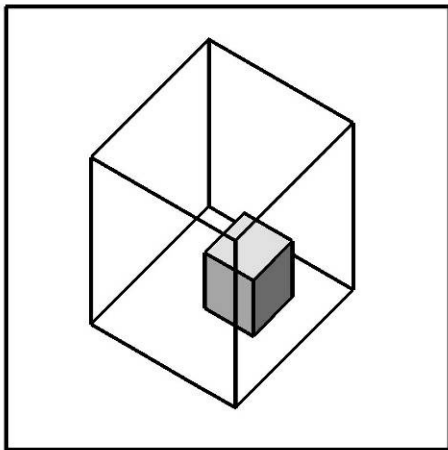
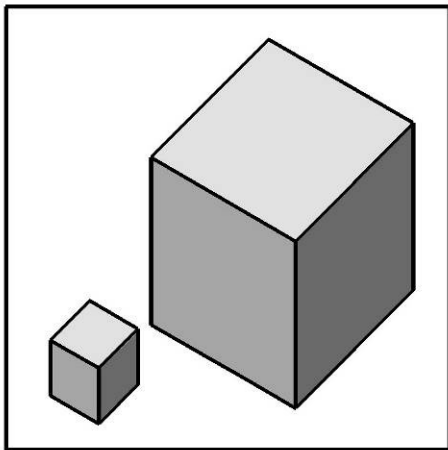
OPERATIONS

SYNTHESE

3. LE RAPPORT D'ORDRE



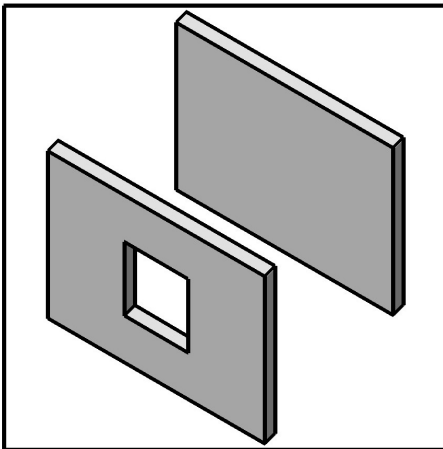
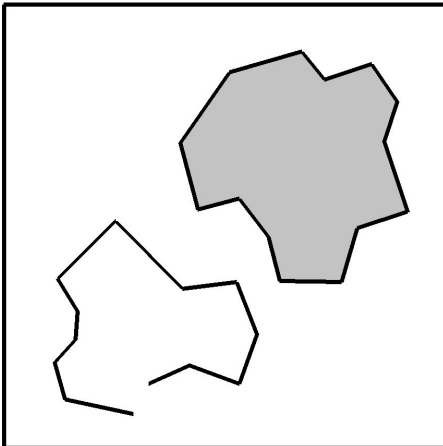
4. LE RAPPORT D'ENTOURAGE



SANAA, M House, Tokyo (Japon), 1997.



5. LE RAPPORT DE CONTINUITE



Steven Holl, Bureaux Sarphatistraat, Amsterdam (Pays-Bas), 2000

FORME

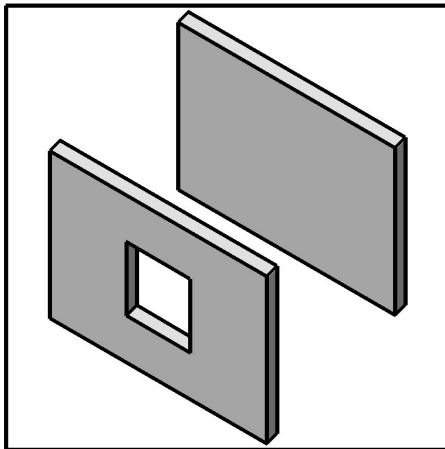
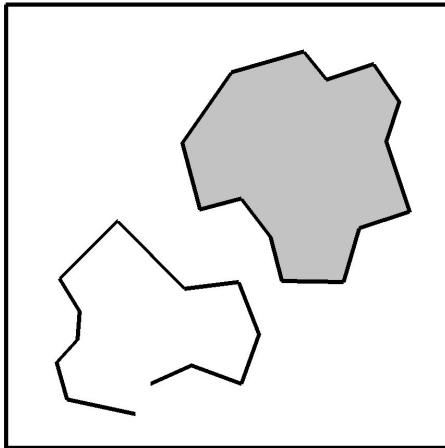
TOPOLOGIE

GESTALT

OPERATIONS

SYNTHESE

5. LE RAPPORT DE CONTINUITE



Steven Holl, Bureaux Sarphatistraat, Amsterdam (Pays-Bas), 2000.

FORME

TOPOLOGIE

GESTALT

OPERATIONS

SYNTHESE

LES LOIS & LES PRINCIPES DE LA

« **GESTALT** »

OU « THEORIE DE LA BONNE FORME »

3

1. EMERGENCE



FORME

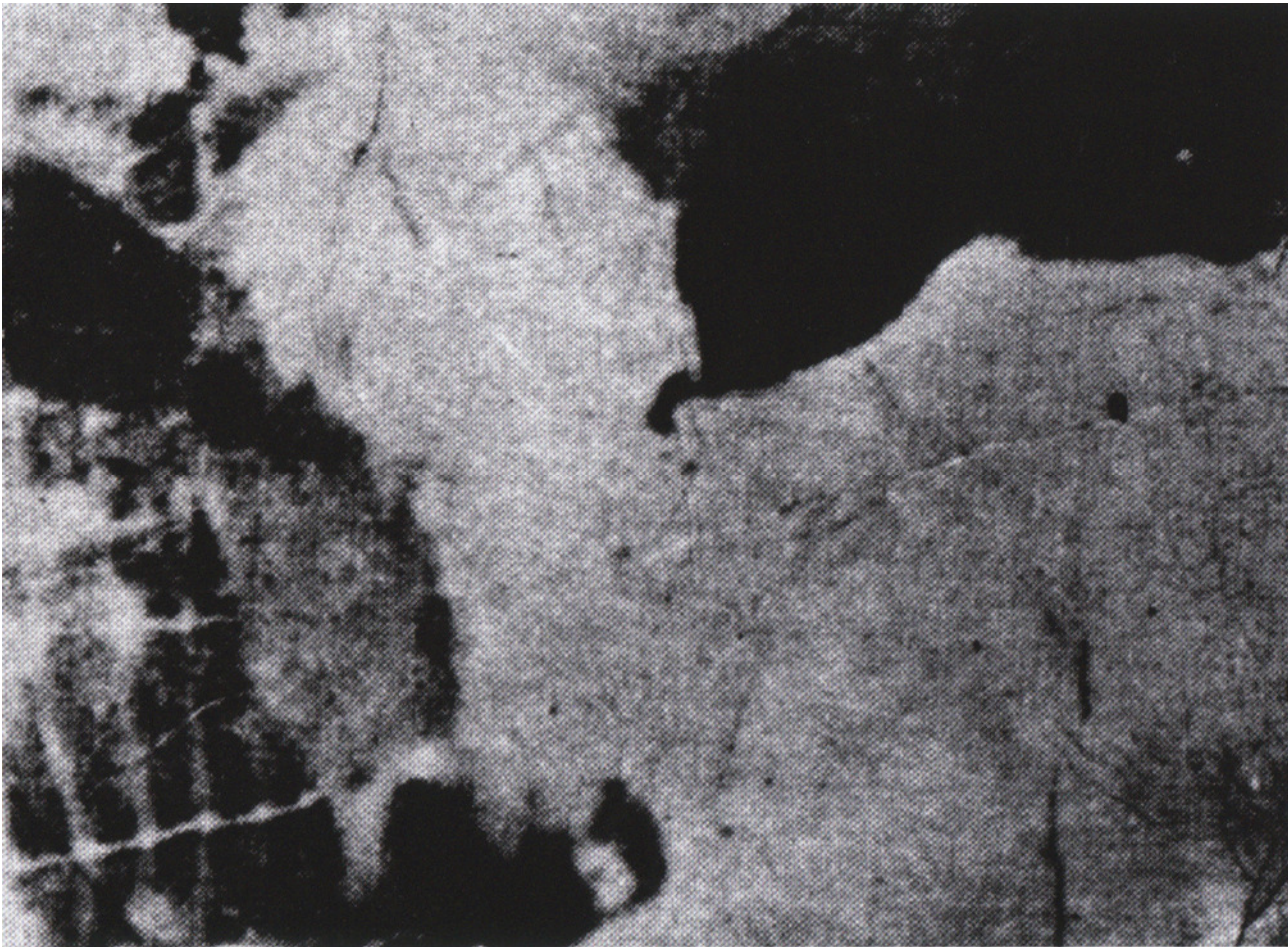
TOPOLOGIE

GESTALT

OPERATIONS

SYNTHESE

1. EMERGENCE



FORME

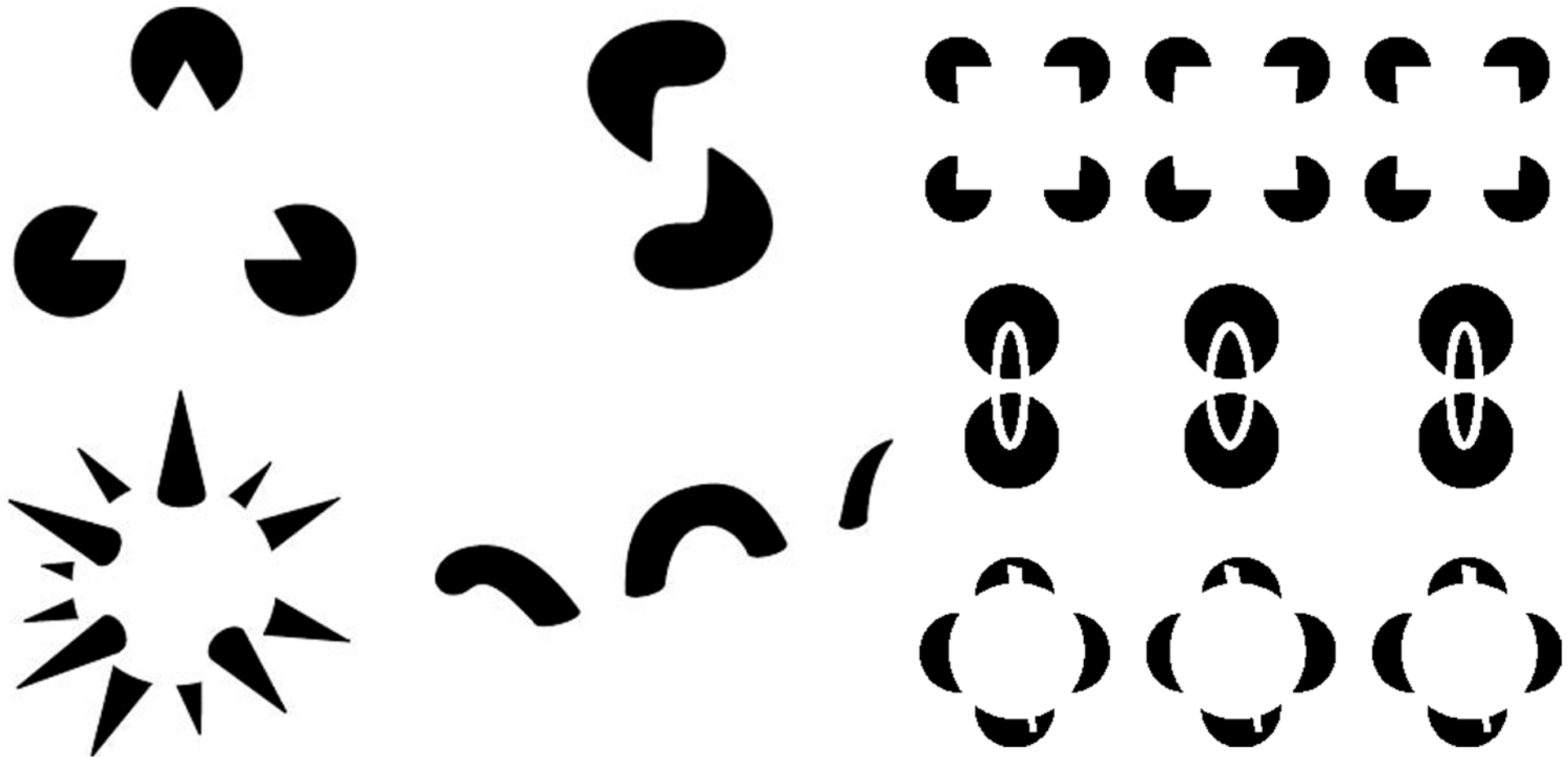
TOPOLOGIE

GESTALT

OPERATIONS

SYNTHESE

2. REIFICATION



FORME

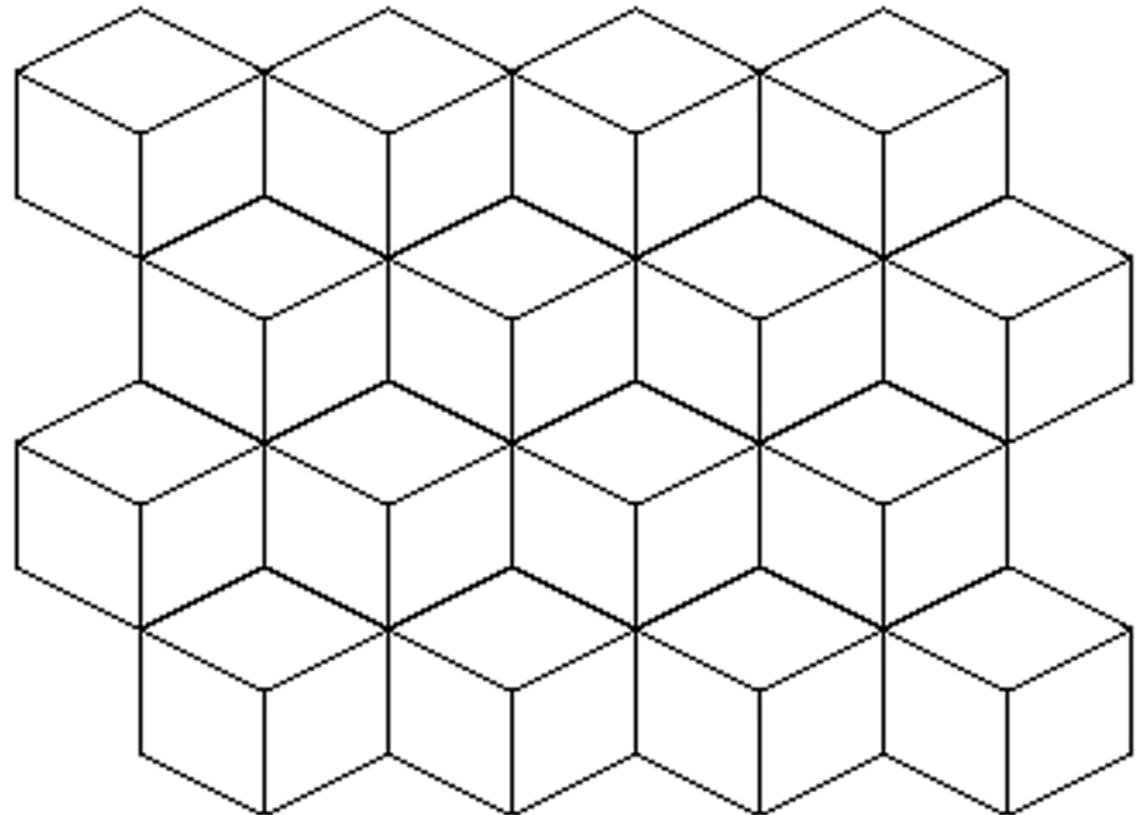
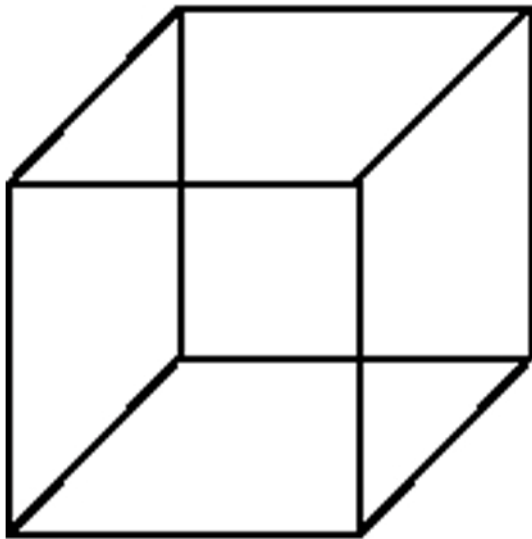
TOPOLOGIE

GESTALT

OPERATIONS

SYNTHÈSE

3. MULTISTABILITE



FORME

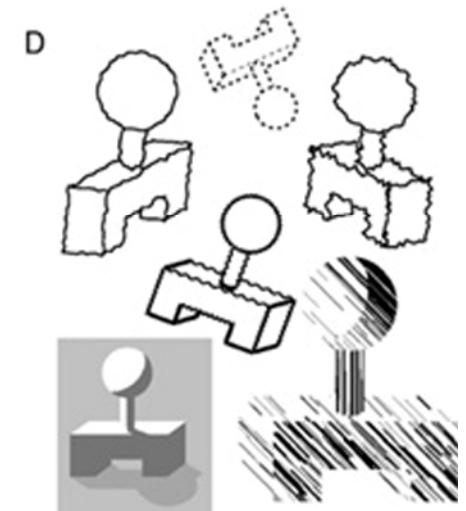
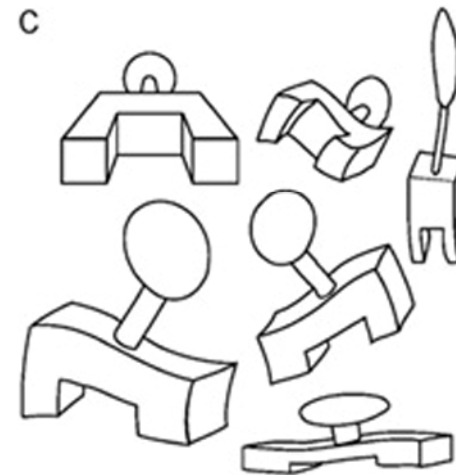
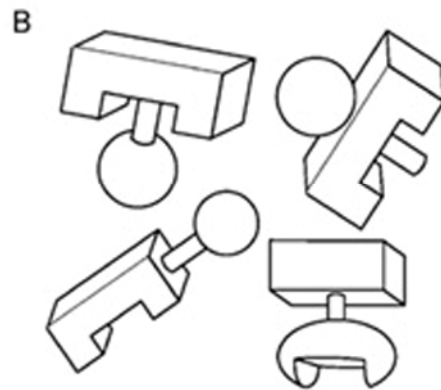
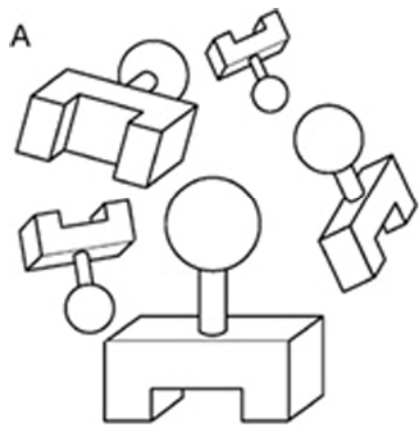
TOPOLOGIE

GESTALT

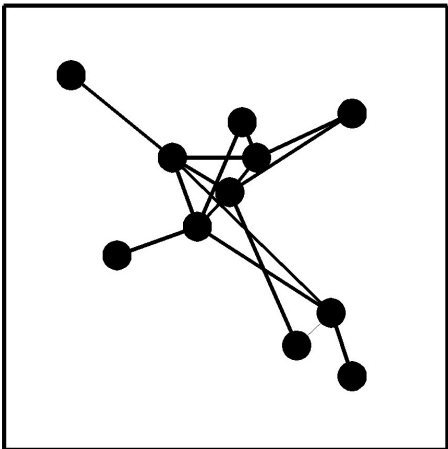
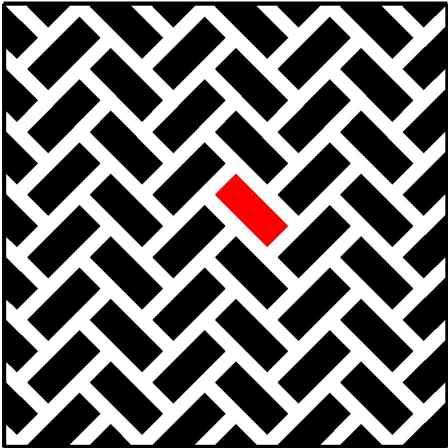
OPERATIONS

SYNTHESE

4. INVARIANCE



0. SYSTEMES : ELEMENTS / GROUPES



Sou Fujimoto, Centre de soins psychiatriques pour enfants, Hokkaido (Japon), 2006.

FORME

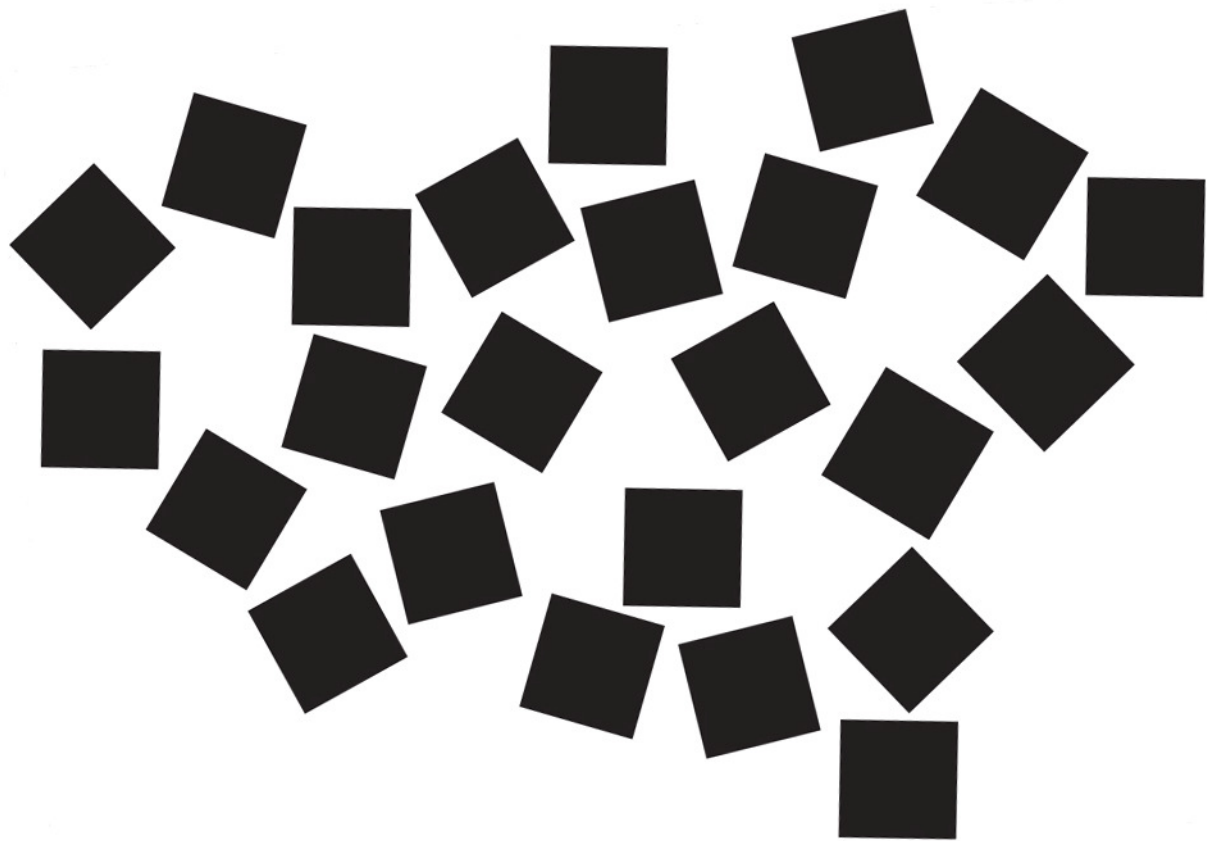
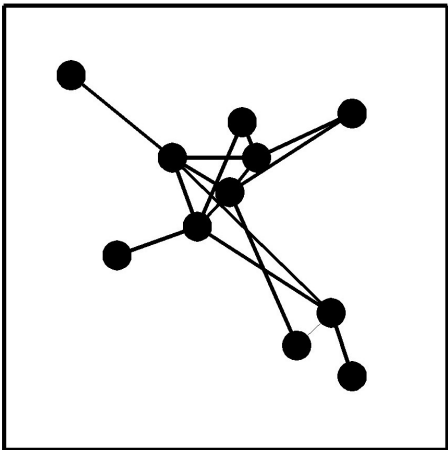
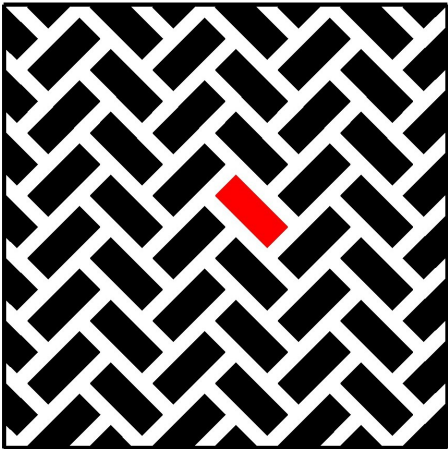
TOPOLOGIE

GESTALT

OPERATIONS

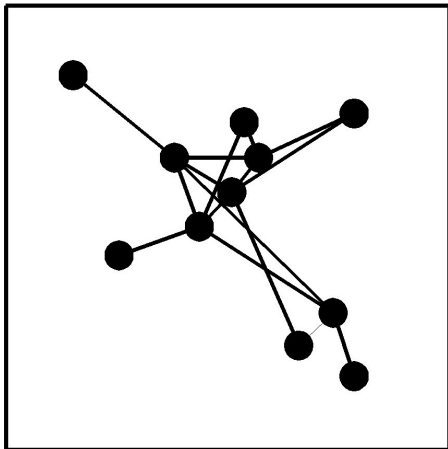
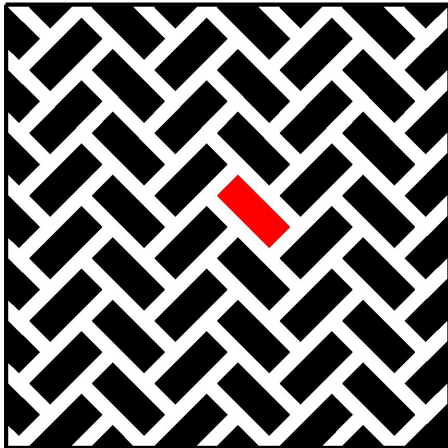
SYNTHESE

0. SYSTEMES : ELEMENTS / GROUPES



Sou Fujimoto, Centre de soins psychiatriques pour enfants, Hokkaido (Japon), 2006.

0. SYSTEMES : ELEMENTS / GROUPES



Sou Fujimoto, Centre de soins psychiatriques pour enfants, Hokkaido (Japon), 2006.

FORME

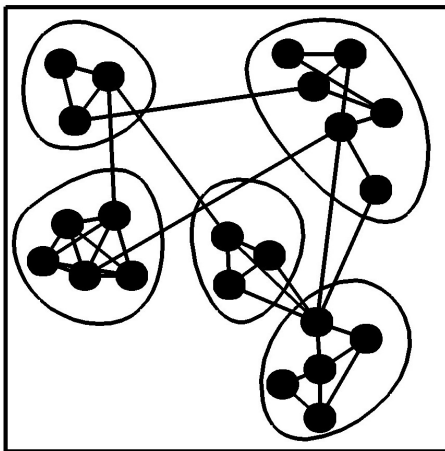
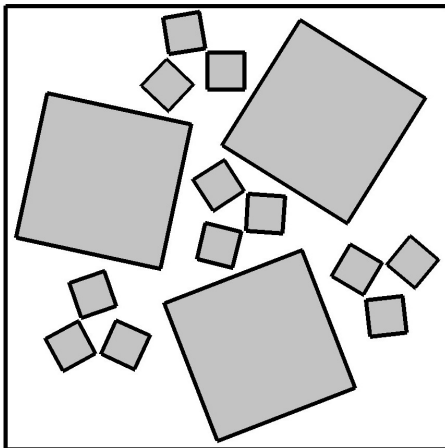
TOPOLOGIE

GESTALT

OPERATIONS

SYNTHESE

0. SYSTEMES : ELEMENTS / GROUPES



Sou Fujimoto, Centre de soins psychiatriques pour enfants, Hokkaido (Japon), 2006.

FORME

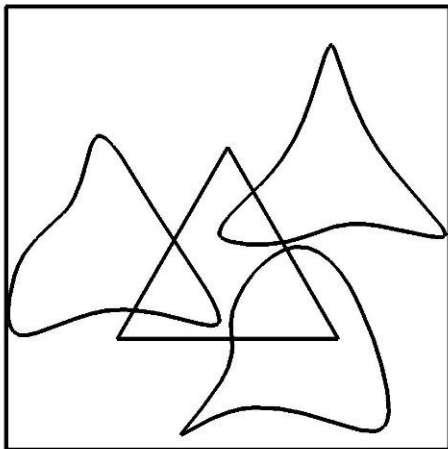
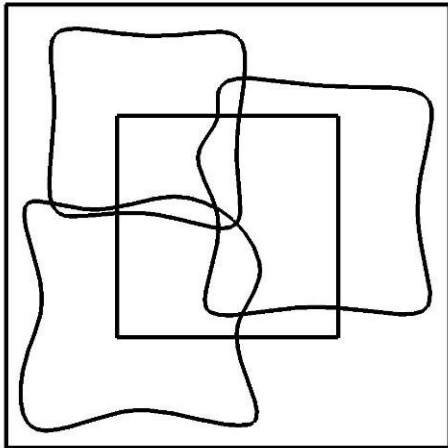
TOPOLOGIE

GESTALT

OPERATIONS

SYNTHESE

1. LOI DE SIMPLICITE



Frank O. Gehry, Musée Guggenheim,
Bilbao (Espagne), 1997.



Tadao Ando, 4x4 House,
Hyogo (Japan), 2003.

FORME

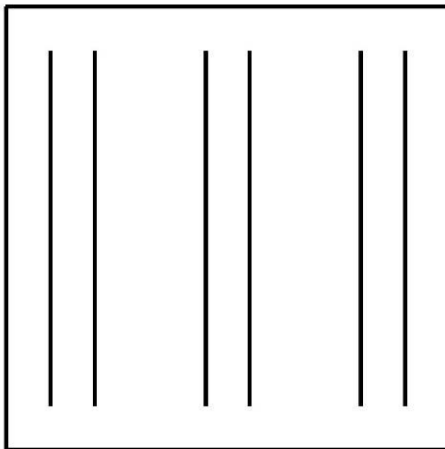
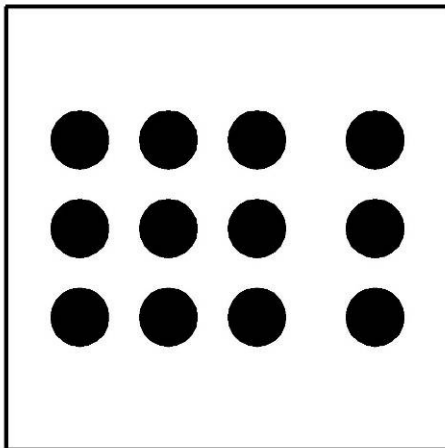
TOPOLOGIE

GESTALT

OPERATIONS

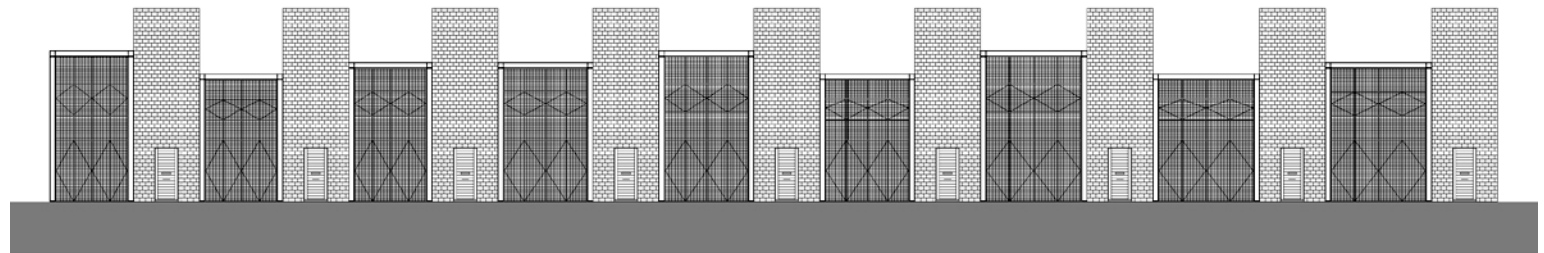
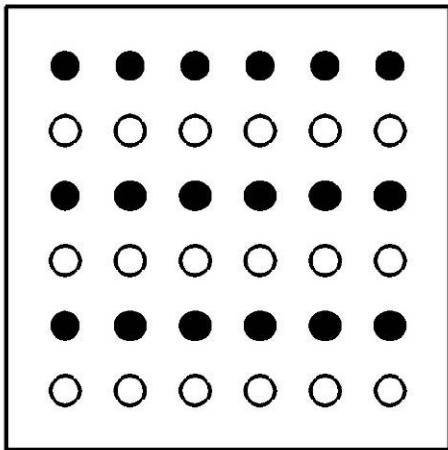
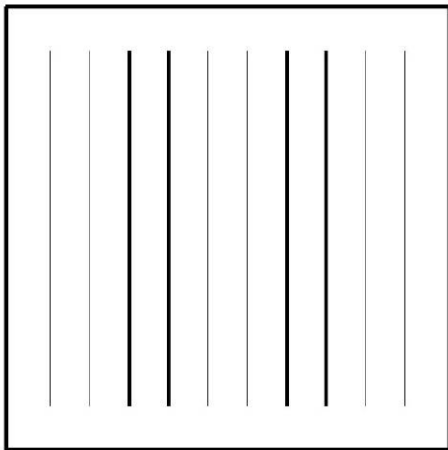
SYNTHESE

2. LOI DE PROXIMITE



Marlies Rohmer, Wild wonen, Almere (Pays-Bas), 1999-01.

3. LOI DE SIMILITUDE



Marlies Rohmer, Wild wonen, Almere (Pays-Bas), 1999-01.

FORME

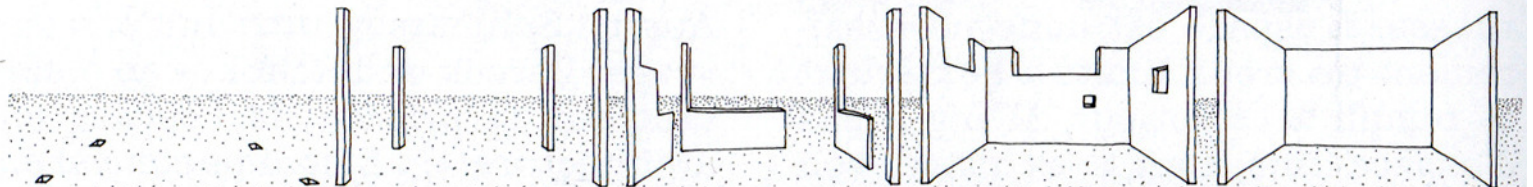
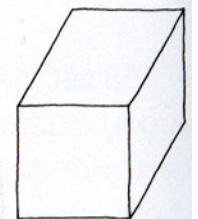
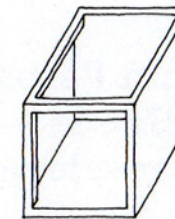
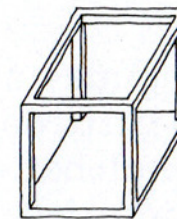
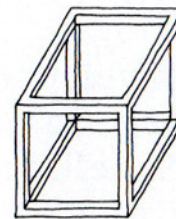
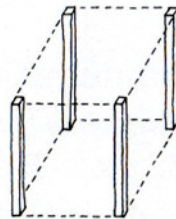
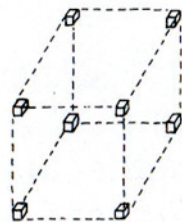
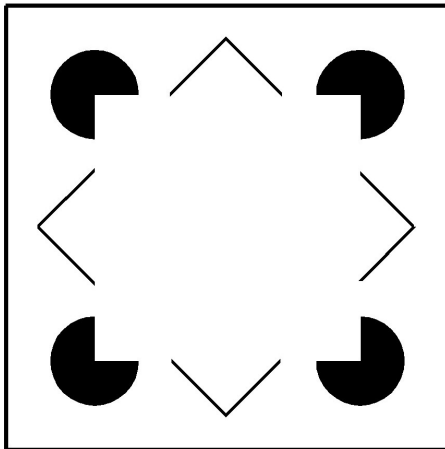
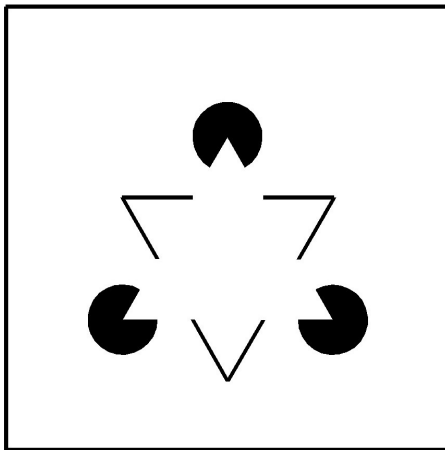
TOPOLOGIE

GESTALT

OPERATIONS

SYNTHESE

4. LOI DE CLOTURE



De l'espace implicite à l'espace explicite.

FORME

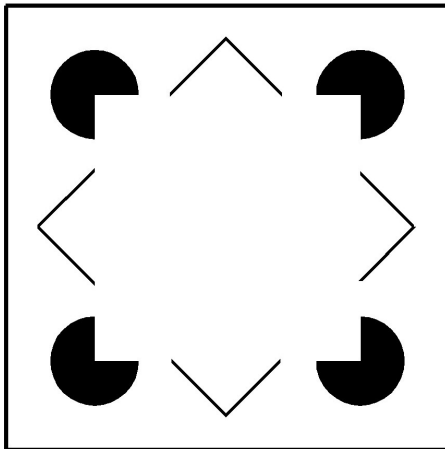
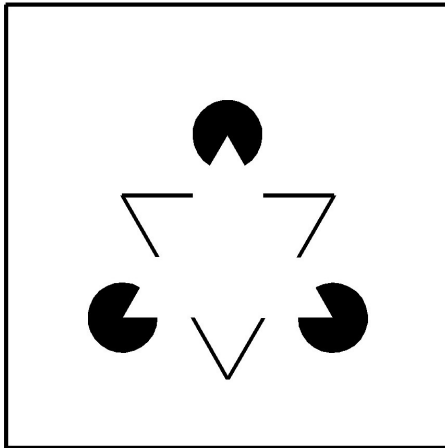
TOPOLOGIE

GESTALT

OPERATIONS

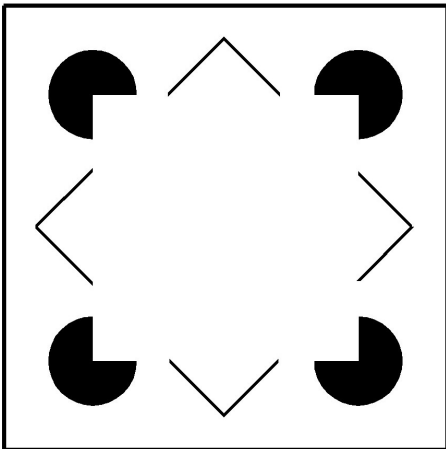
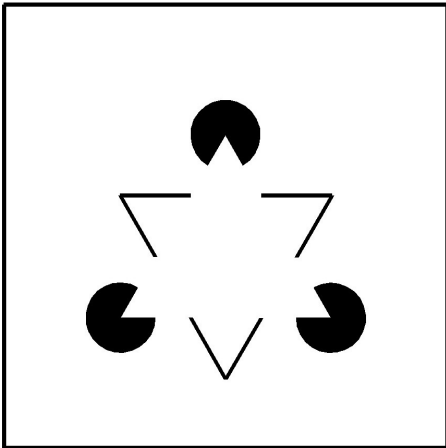
SYNTHESE

4. LOI DE CLOTURE



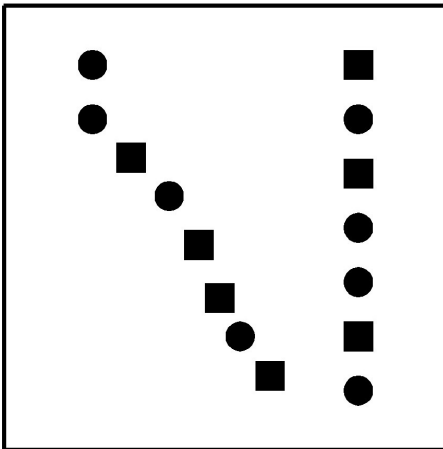
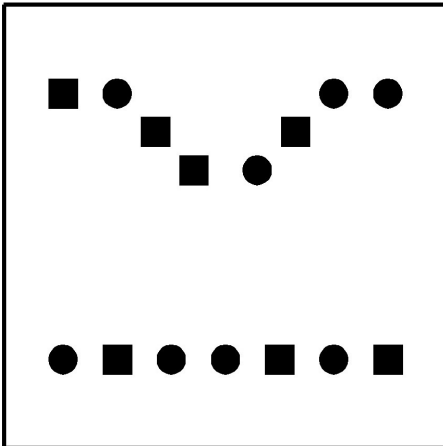
Sol Lewitt, 6 Incomplete Open Cubes, Philadelphie (USA), 1974.

4. LOI DE CLOTURE



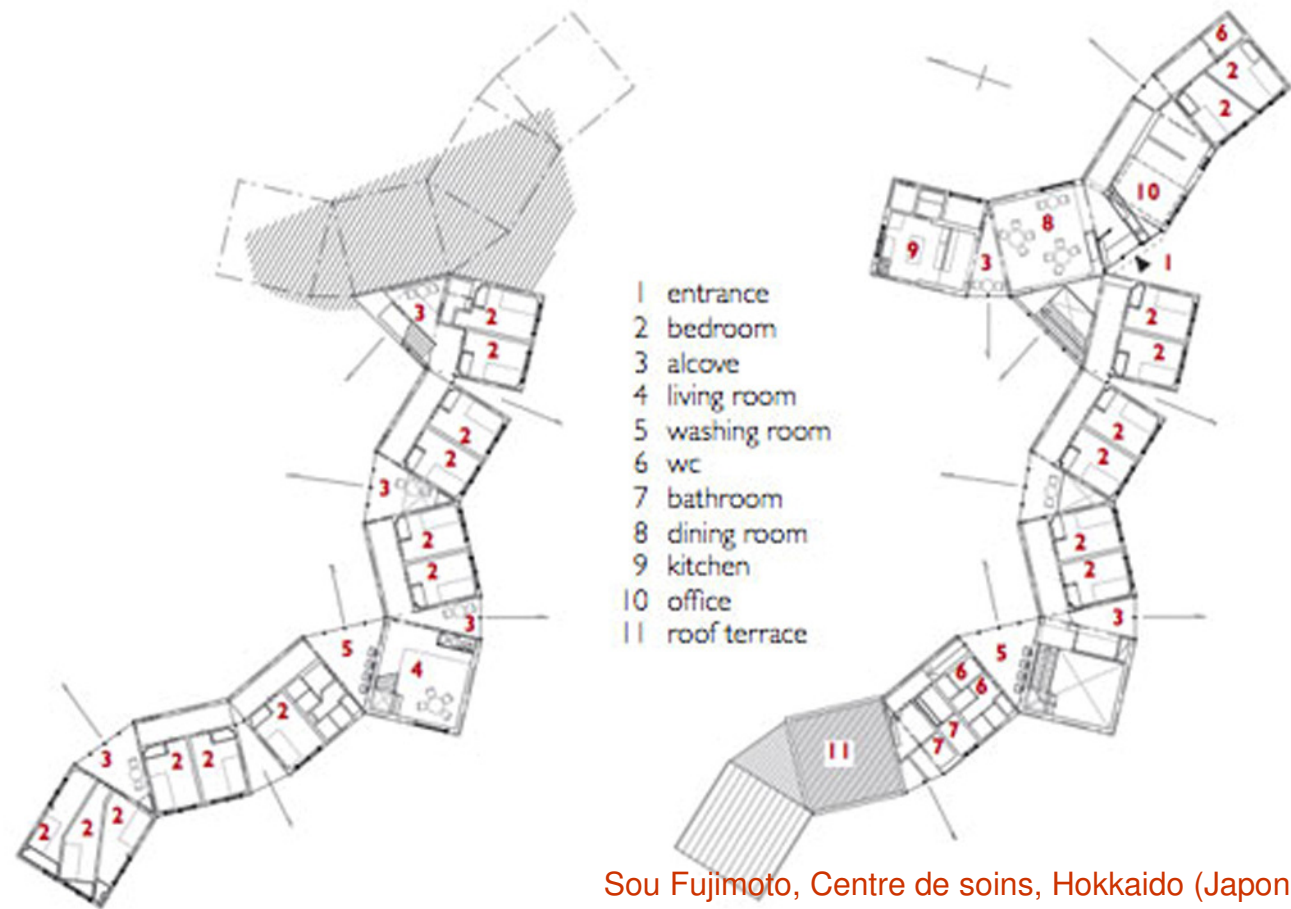
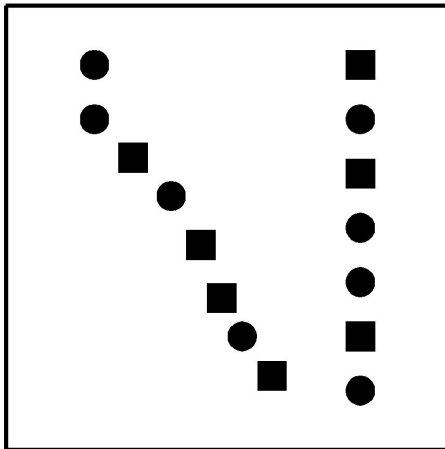
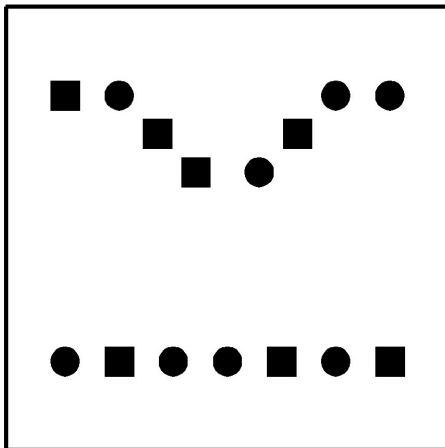
Robert Venturi, Benjamin Franklin « Ghost Structures », Franklin Court, Philadelphie (USA), 1976.

5. LOI DU DESTIN COMMUN



Sou Fujimoto, Centre de soins, Hokkaido (Japon), 2004.

5. LOI DU DESTIN COMMUN



Sou Fujimoto, Centre de soins, Hokkaido (Japon), 2004.

FORME

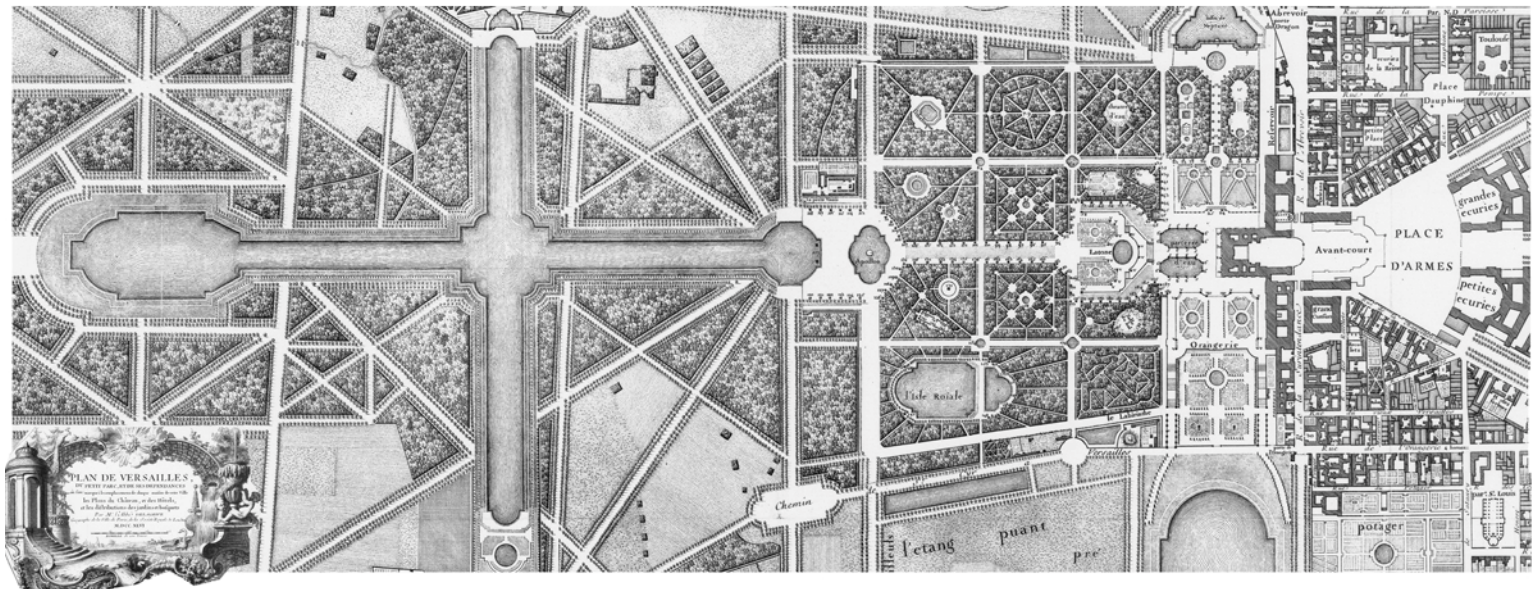
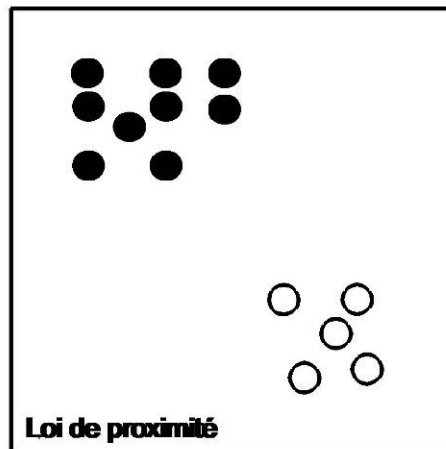
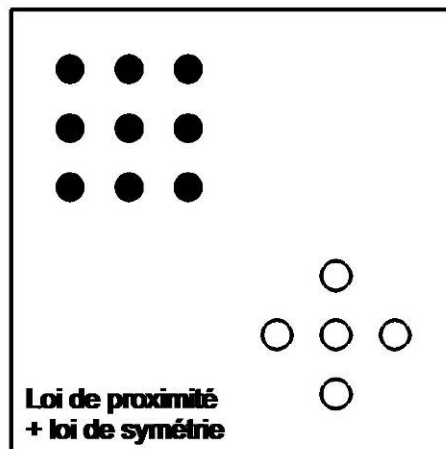
TOPOLOGIE

GESTALT

OPERATIONS

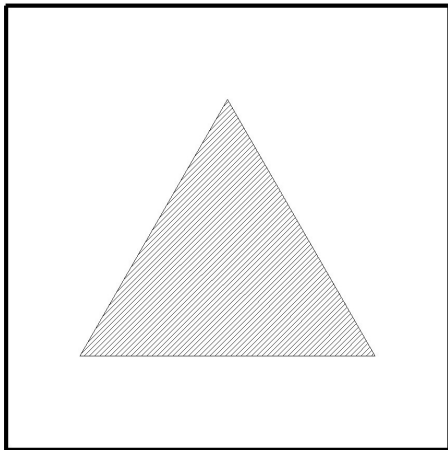
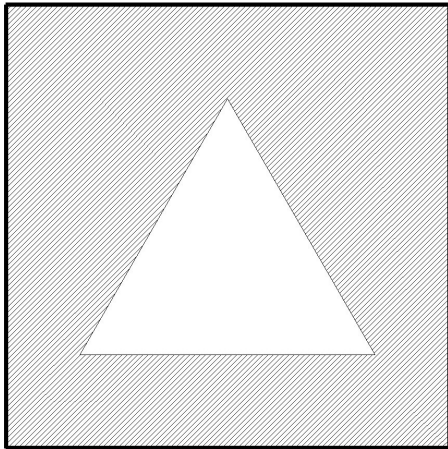
SYNTHESE

6. LOI DE BONNE CONDUITE



Abbé Delagrive, Plan du château de Versailles, Versailles (France), 1746.

7. LOI DE SEGREGATION



Robert Morris, Untitled, 1965/71.

FORME

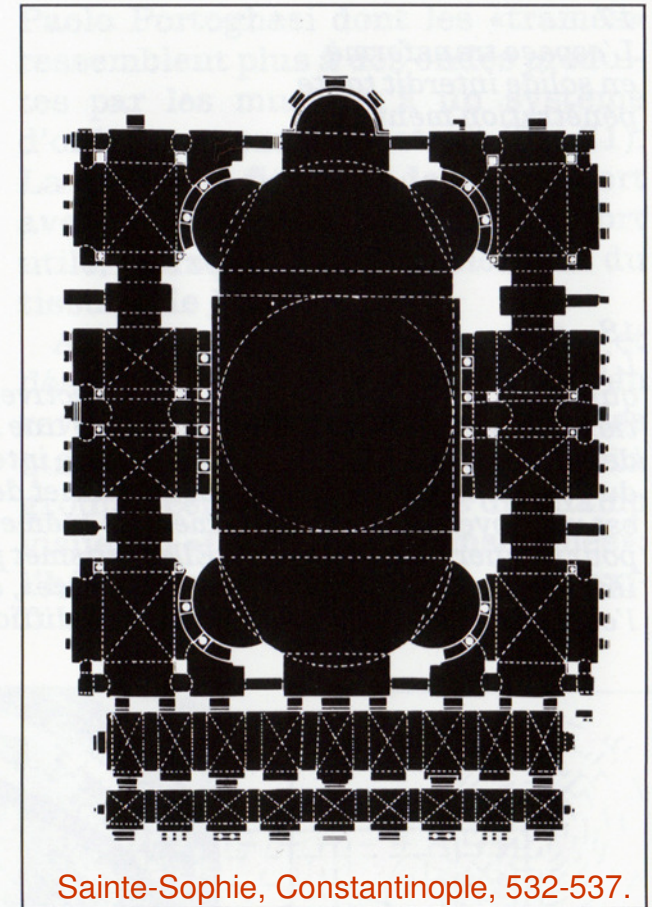
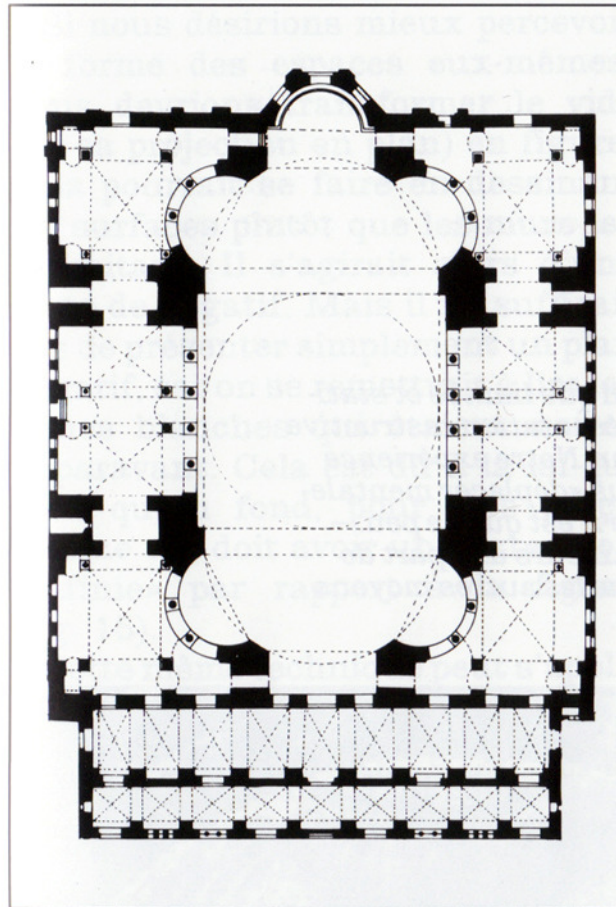
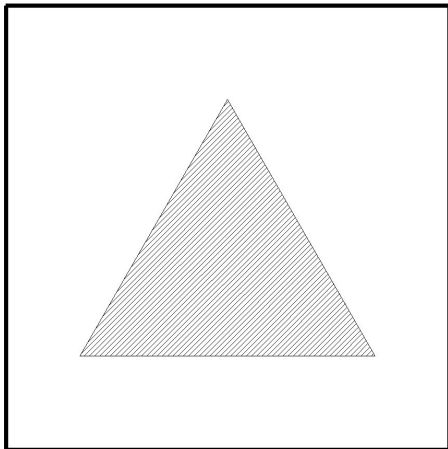
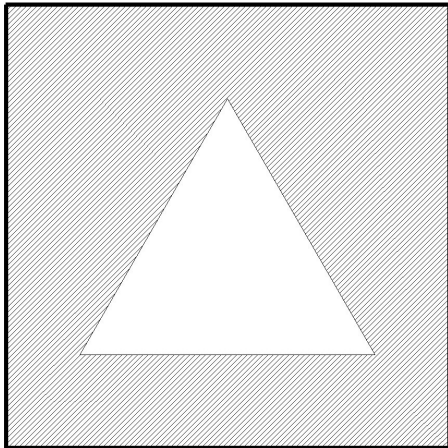
TOPOLOGIE

GESTALT

OPERATIONS

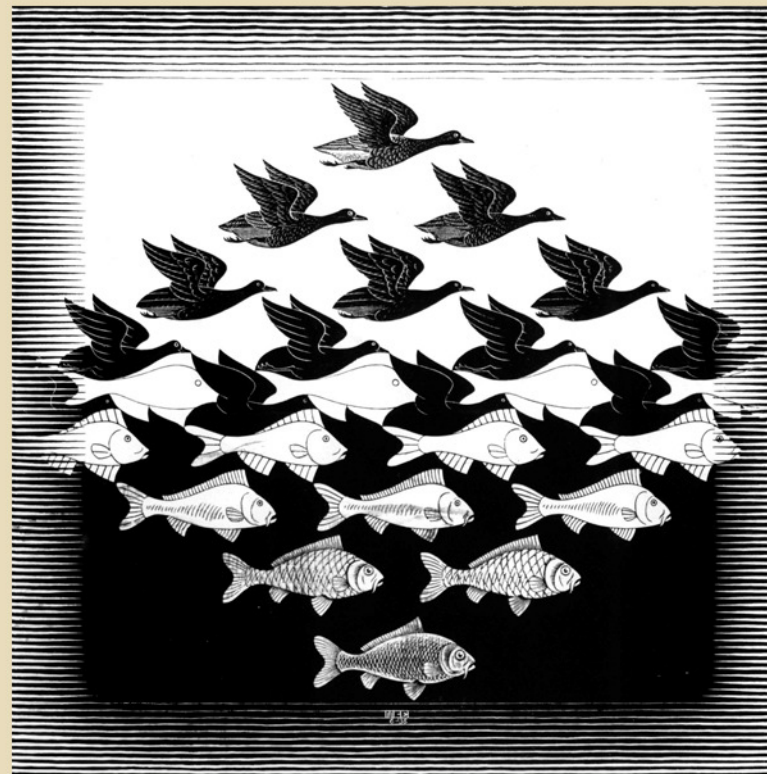
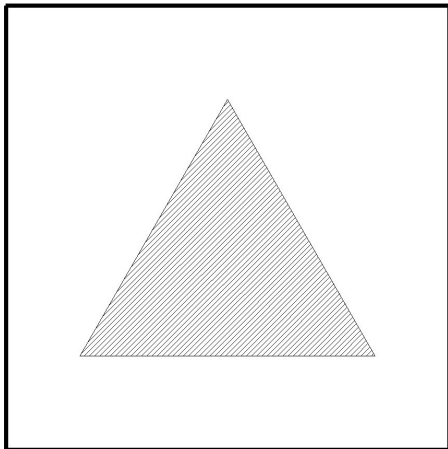
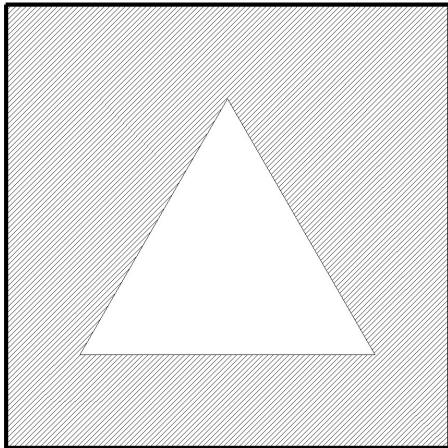
SYNTHESE

7. LOI DE SEGREGATION



Sainte-Sophie, Constantinople, 532-537.

7. LOI DE SEGREGATION



Maurits Cornelis Escher, Le ciel et la mer I & II, 1938.



FORME

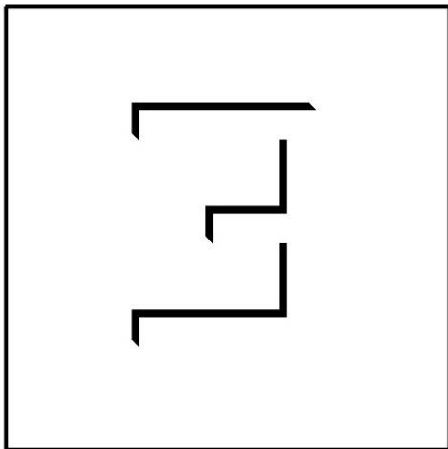
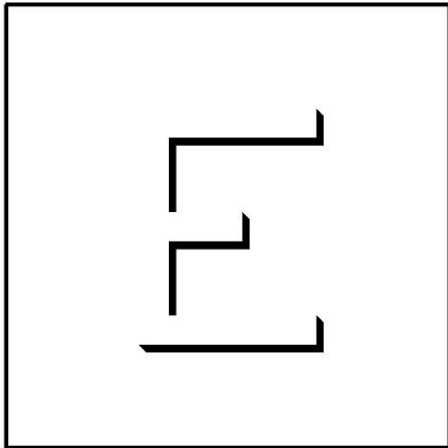
TOPOLOGIE

GESTALT

OPERATIONS

SYNTHESE

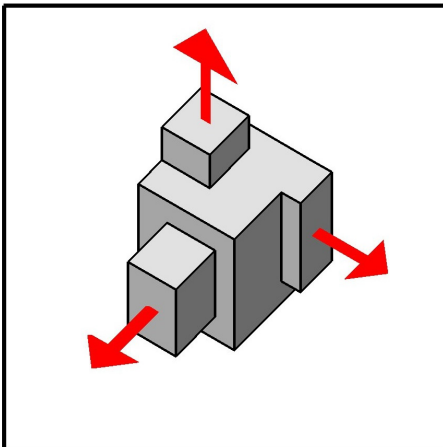
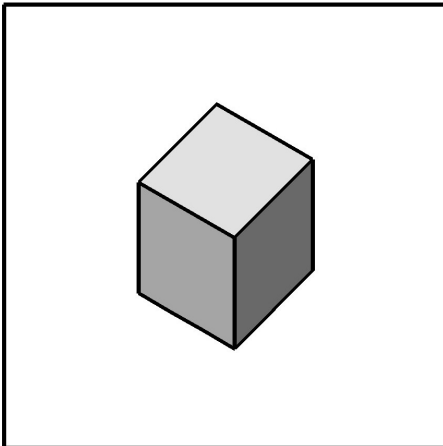
8. LOI D'EXPERIENCE



LES TRANSFORMATIONS
« **SPATIALES** »
FONDAMENTALES

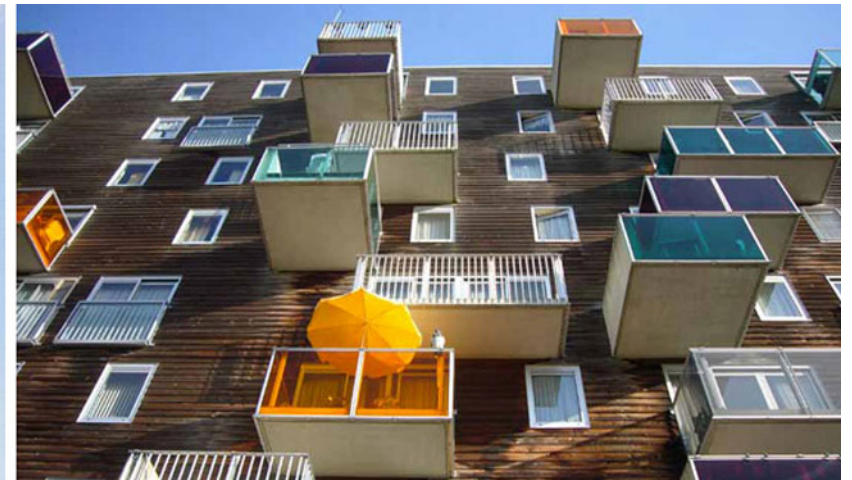
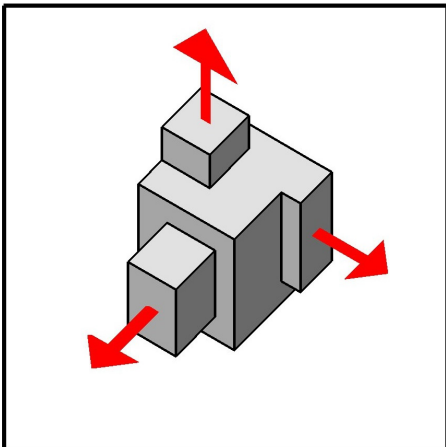
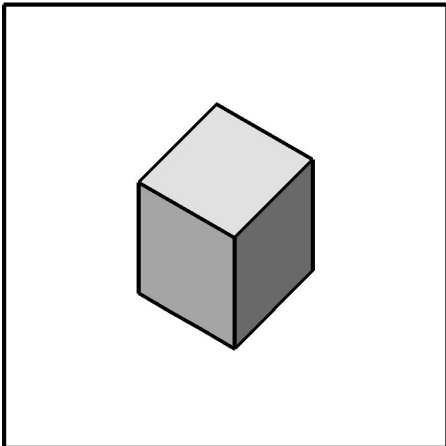
4

1. L'ADDITION VOLUMIQUE / L'EXTRUSION



Sami Rintala, Element House, Séoul (Corée du Sud), 2006.

1. L'ADDITION VOLUMIQUE / L'EXTRUSION



MVRDV, WoZoCo's Apartments for Elderly People, Amsterdam (Pays-Bas), 1994-97.

FORME

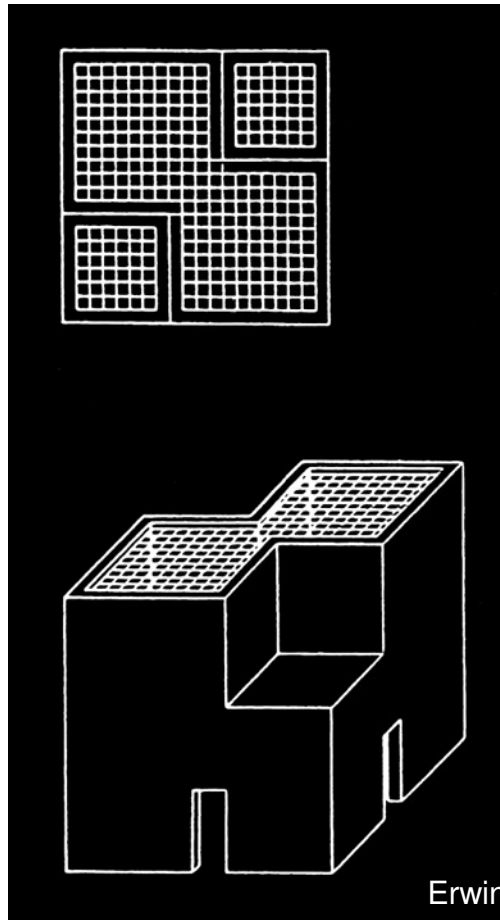
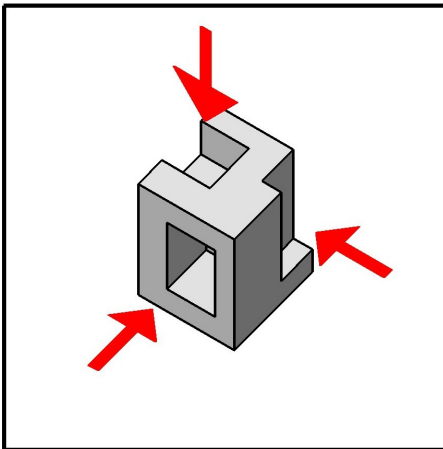
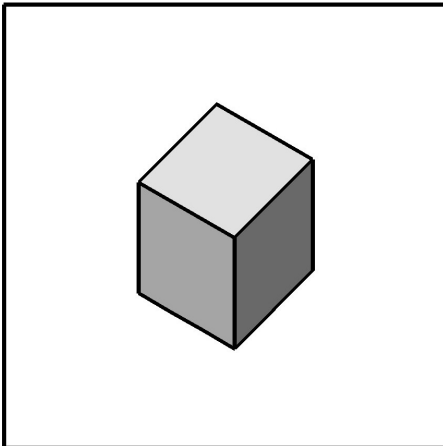
TOPOLOGIE

GESTALT

TRANSFORMATIONS

SYNTHESE

2. LA SOUSTRACTION VOLUMIQUE / LE CREUX



Erwin Heerich, La tour, Museum Insel Hombroich, Neuss (Allemagne), 1989.

FORME

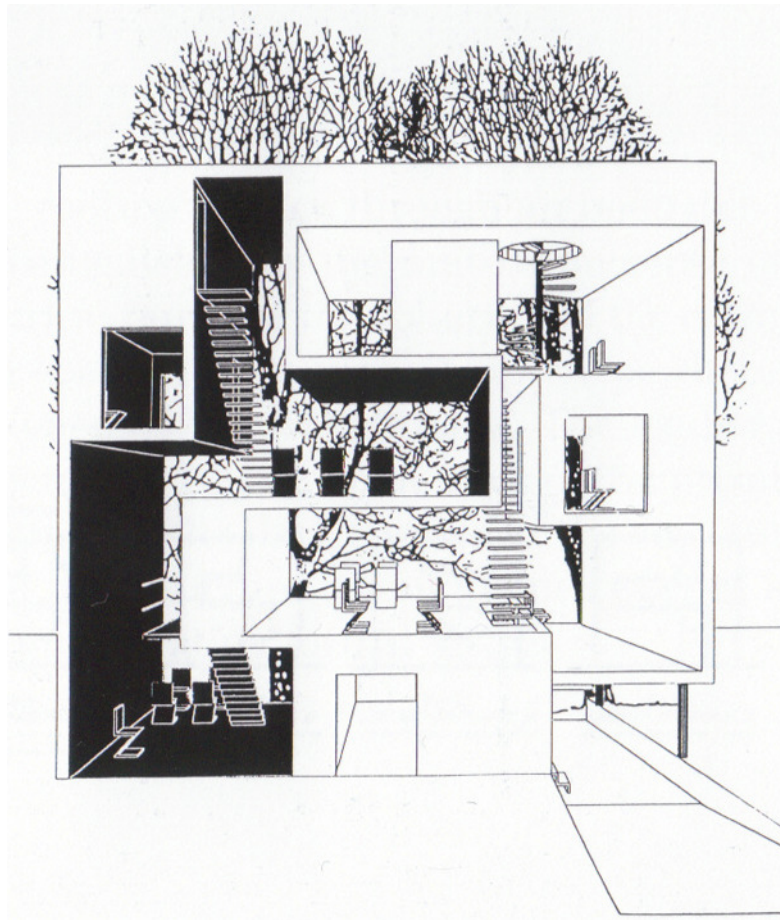
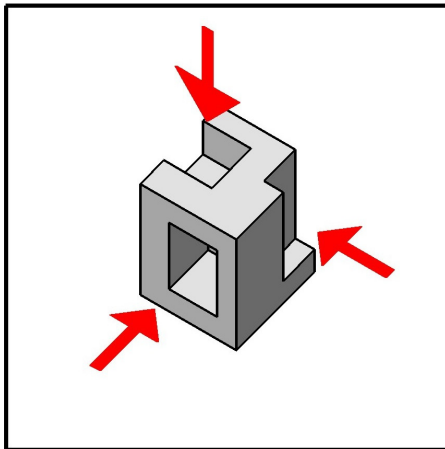
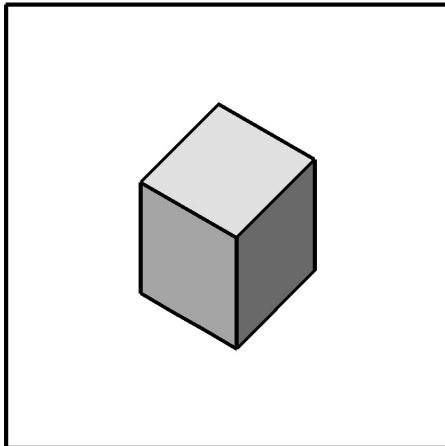
TOPOLOGIE

GESTALT

TRANSFORMATIONS

SYNTHESE

2. LA SOUSTRACTION VOLUMIQUE / LE CREUX



MVRDV, Maison double, Utrecht (Pays-Bas), 1997.

FORME

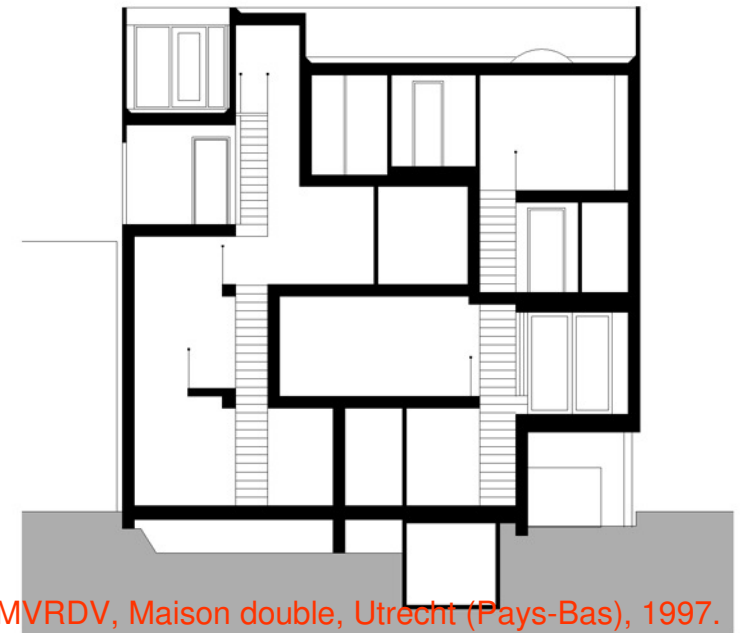
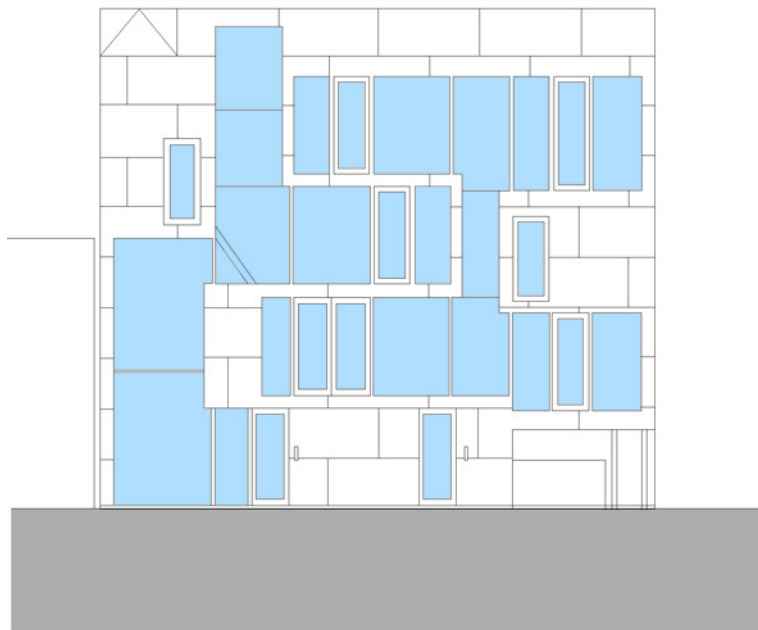
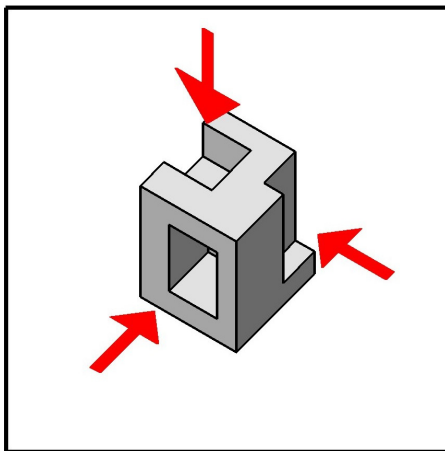
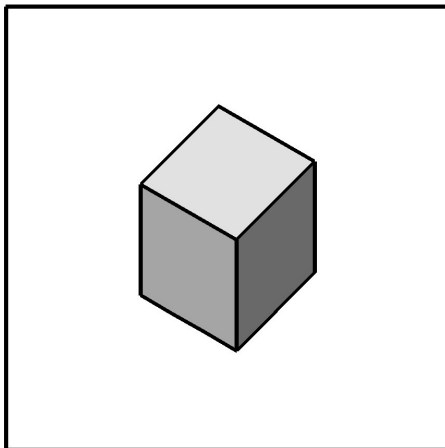
TOPOLOGIE

GESTALT

TRANSFORMATIONS

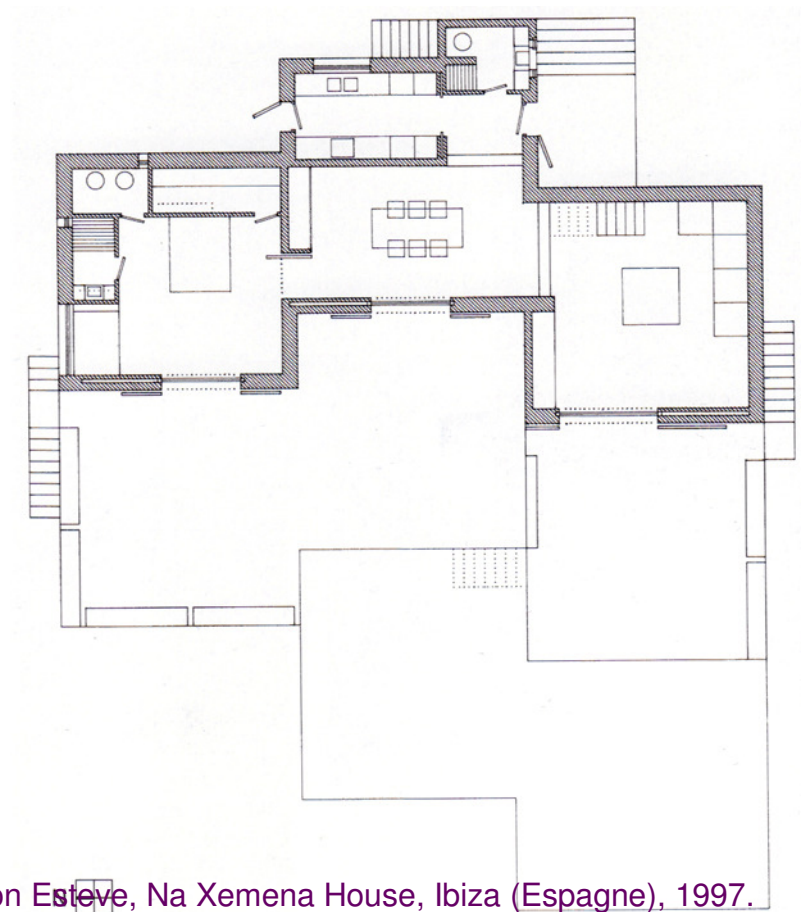
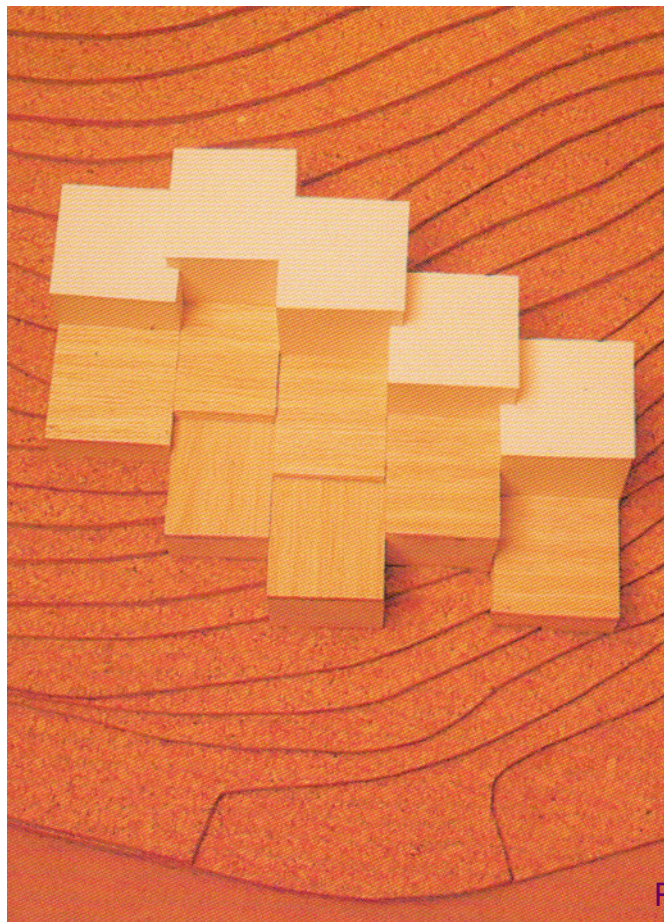
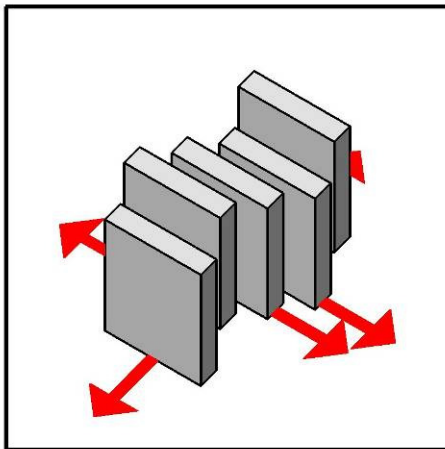
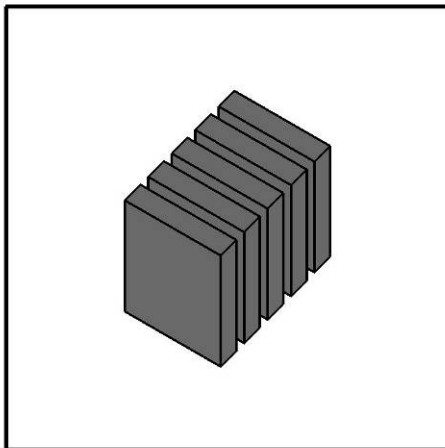
SYNTHESE

2. LA SOUSTRACTION VOLUMIQUE / LE CREUX



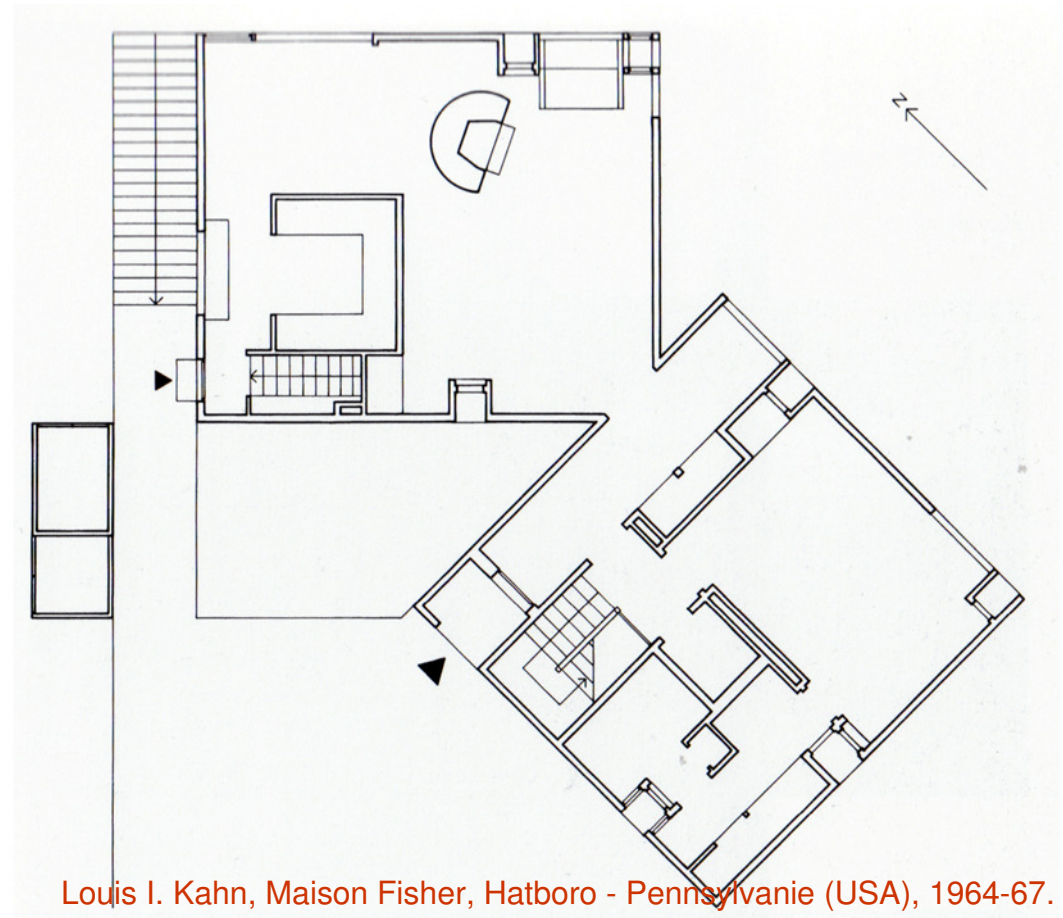
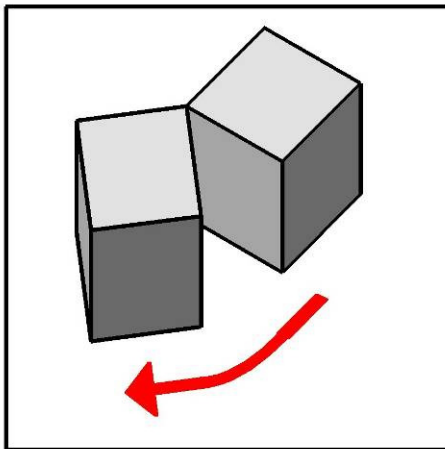
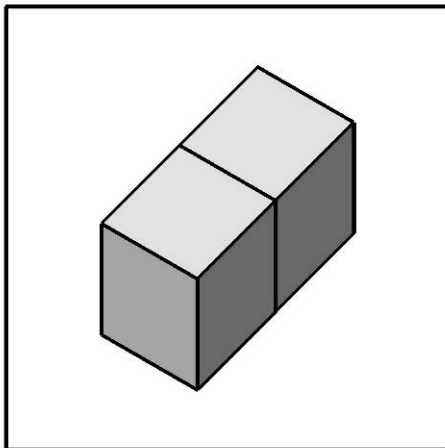
MVRDV, Maison double, Utrecht (Pays-Bas), 1997.

3. LA TRANSLATION



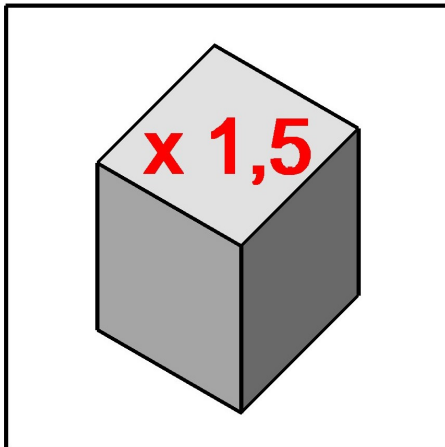
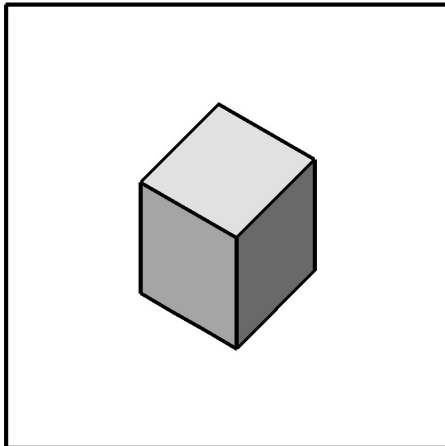
Ramon Esteve, Na Xemena House, Ibiza (Espagne), 1997.

4. LA ROTATION



Louis I. Kahn, Maison Fisher, Hatboro - Pennsylvanie (USA), 1964-67.

5. L'HOMOTHETIE



Renzo Piano, Centre culturel Tjibaou, Nouméa (Nouvelle Calédonie), 1991-98.

FORME

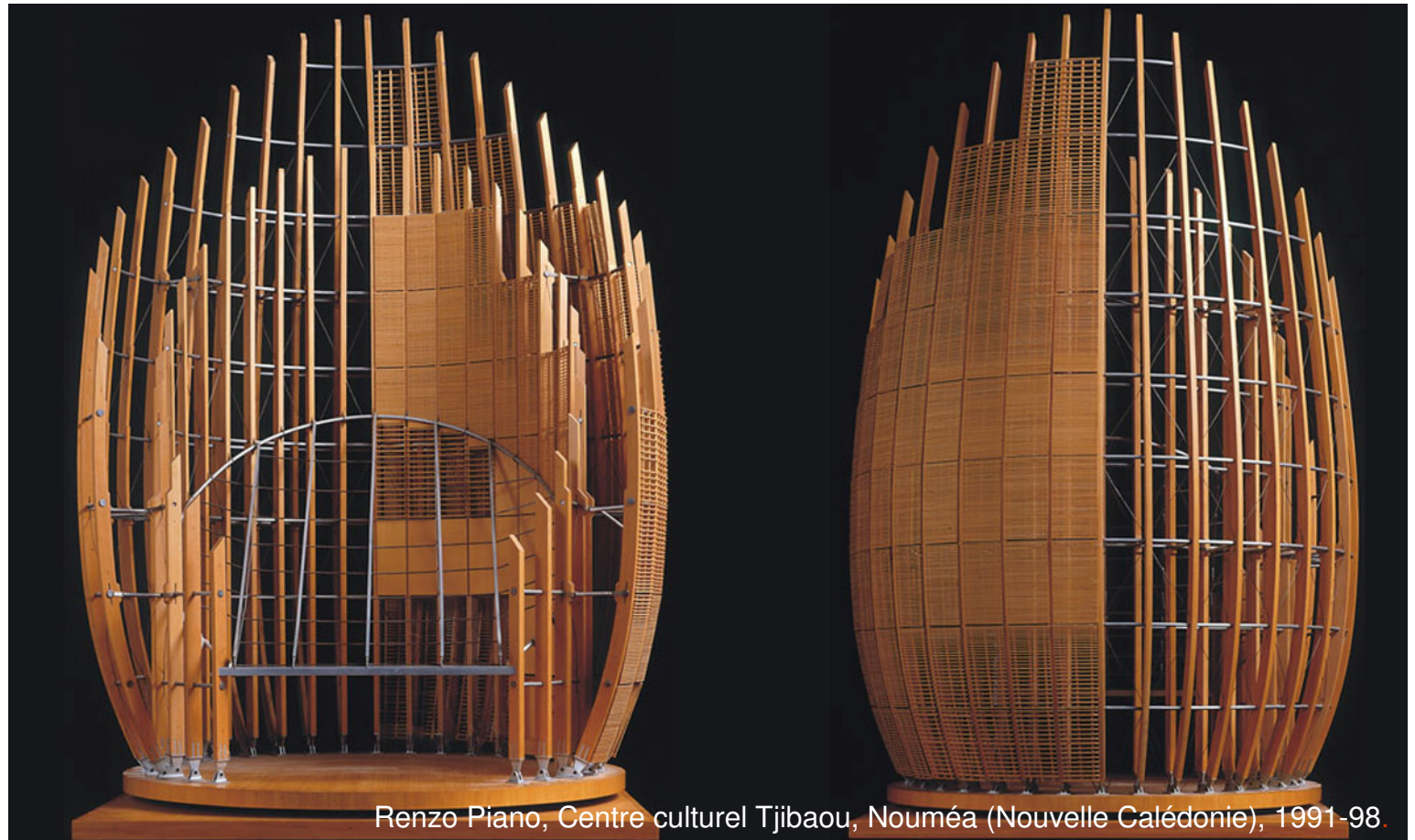
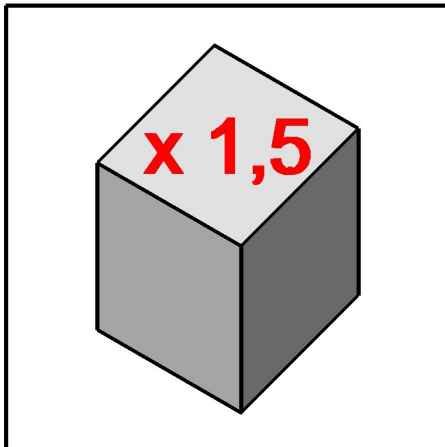
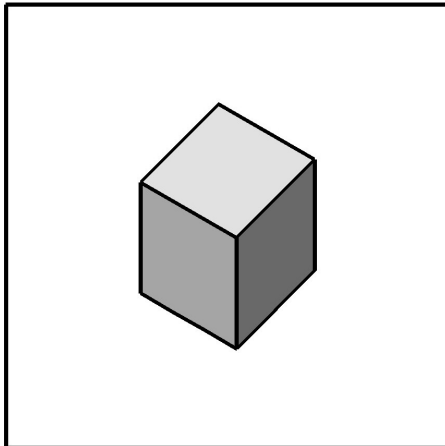
TOPOLOGIE

GESTALT

TRANSFORMATIONS

SYNTHESE

5. L'HOMOTHETIE



Renzo Piano, Centre culturel Tjibaou, Nouméa (Nouvelle Calédonie), 1991-98.

FORME

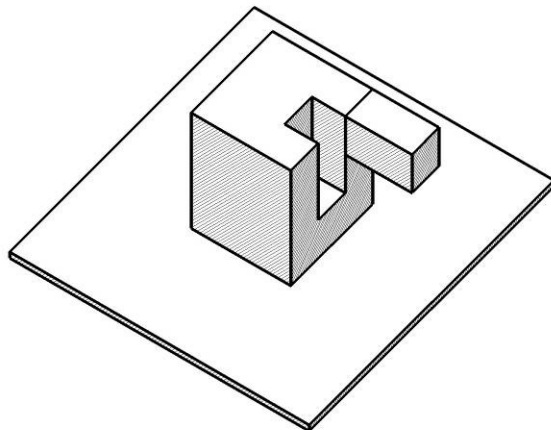
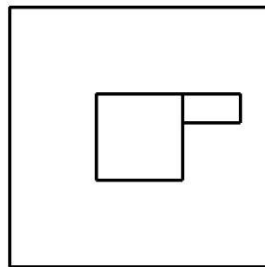
TOPOLOGIE

GESTALT

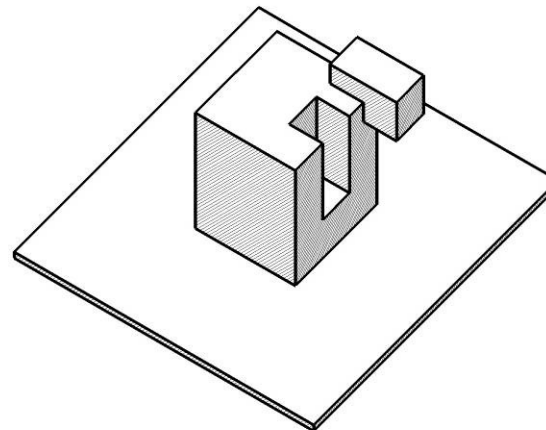
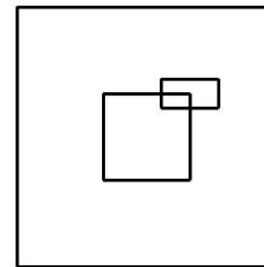
TRANSFORMATIONS

SYNTHESE

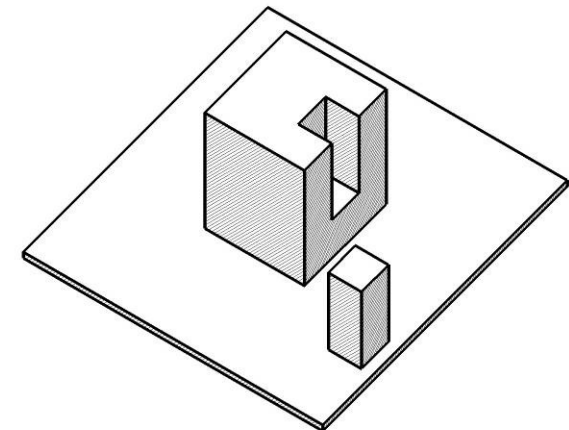
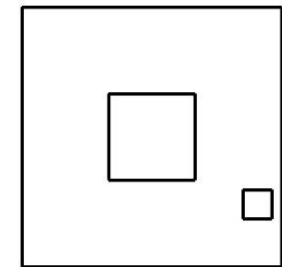
6. L'ARTICULATION



ARTICULATION PAR
JUXTAPOSITION

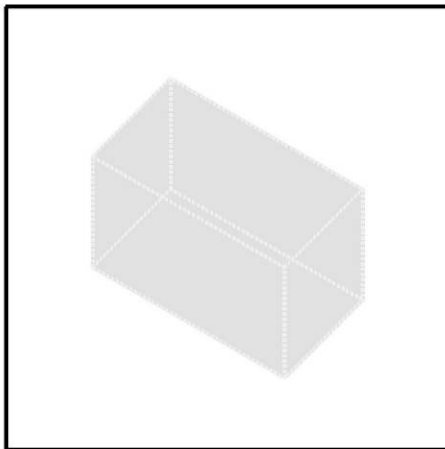
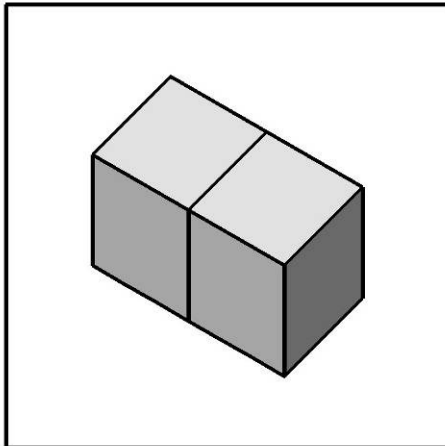


ARTICULATION PAR
INBRIQUATION



ARTICULATION
PAR LE VIDE

6. L'ARTICULATION (par continuité)



Antonio Gaudi, La Pedrera, Barcelone (Espagne), 1906-10.

FORME

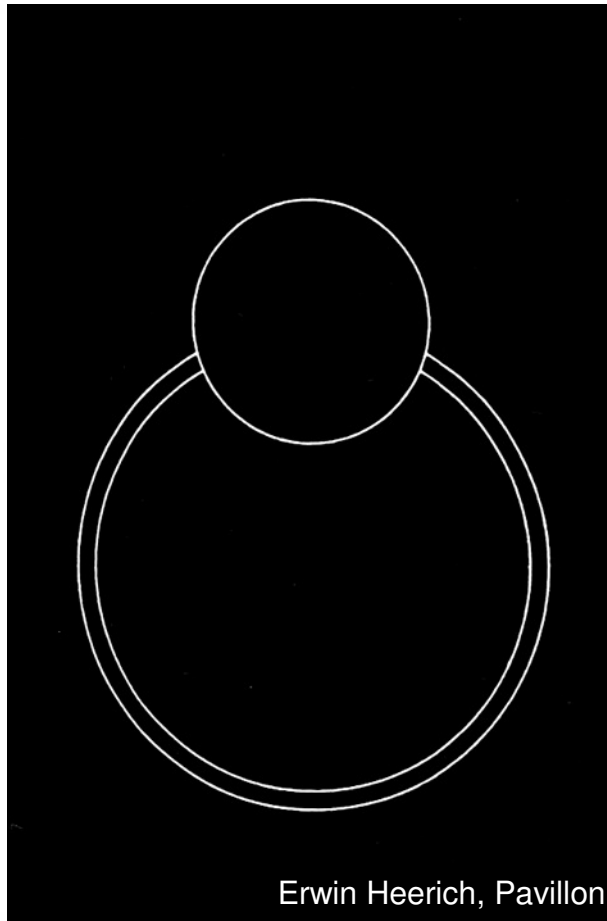
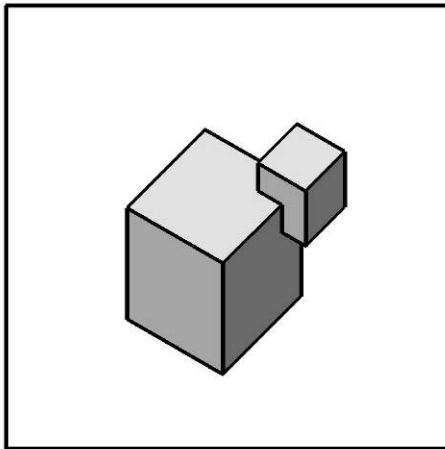
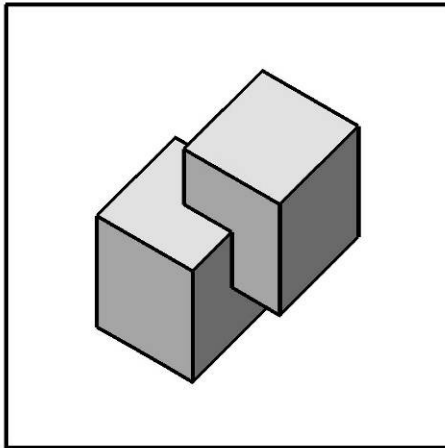
TOPOLOGIE

GESTALT

TRANSFORMATIONS

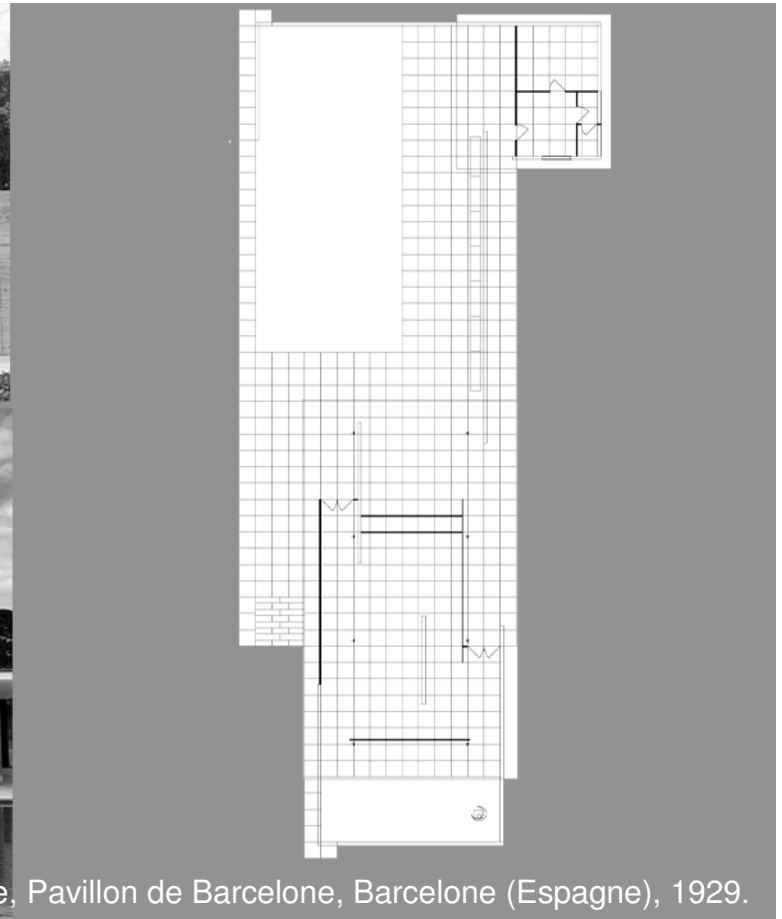
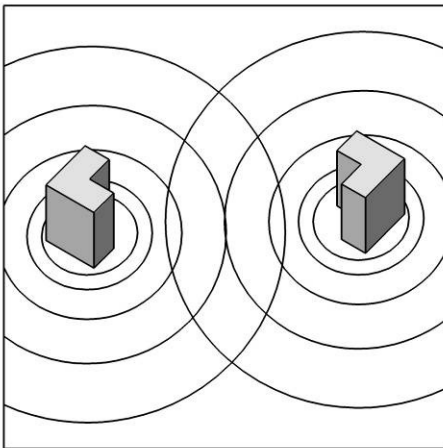
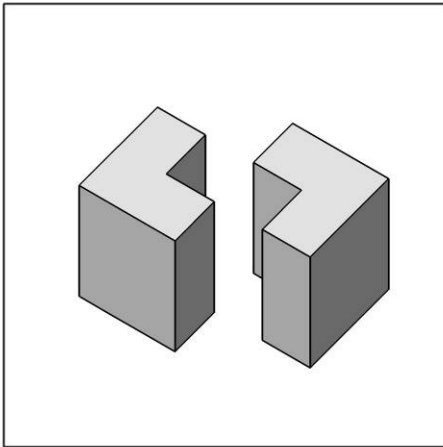
SYNTHESE

6. L'ARTICULATION (par imbrication)



Erwin Heerich, Pavillon Graubner, Museum Insel Hombroich, Neuss (Allemagne), 1983

6. L'ARTICULATION (par le vide)



Mies van der Rohe, Pavillon de Barcelone, Barcelone (Espagne), 1929.

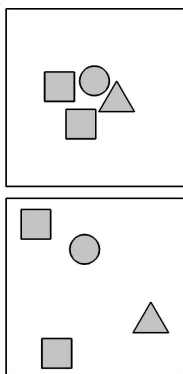
RAPPORTS TOPOLOGIQUES & TRANSFORMATIONS
SYNTHESE

5

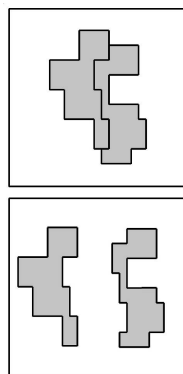


SYNTHESE

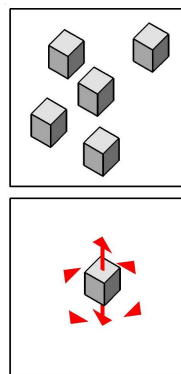
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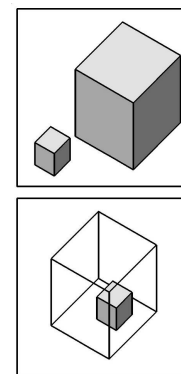
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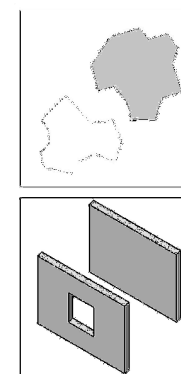
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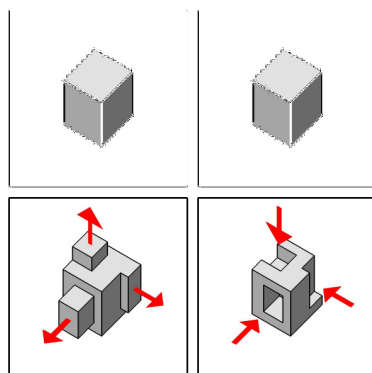
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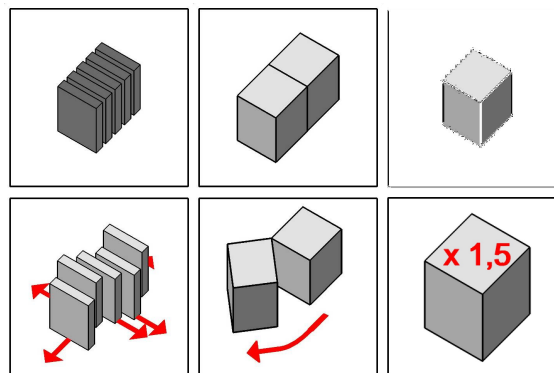
CONTINUITE



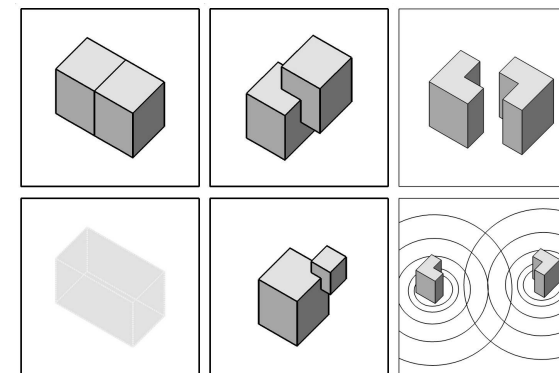
ADDITION / SOUSTRACTION



TRANSLATION / ROTATION / HOMOTHETIE



ARTICULATION
JUXTAPOSITION / IMBRICATION / PAR LE VIDE



SYNTHESE : OPERATIONS SPATIALES

