

Club Cubic

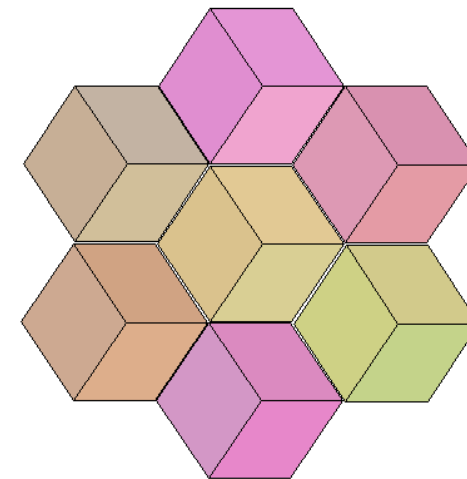
Program de Educatie a Inteligentei Spatiale

6 Aprilie 2023, 17:00

[Club Cubic – PoCo \(x-colony.com\)](http://x-colony.com)

Tema 6:

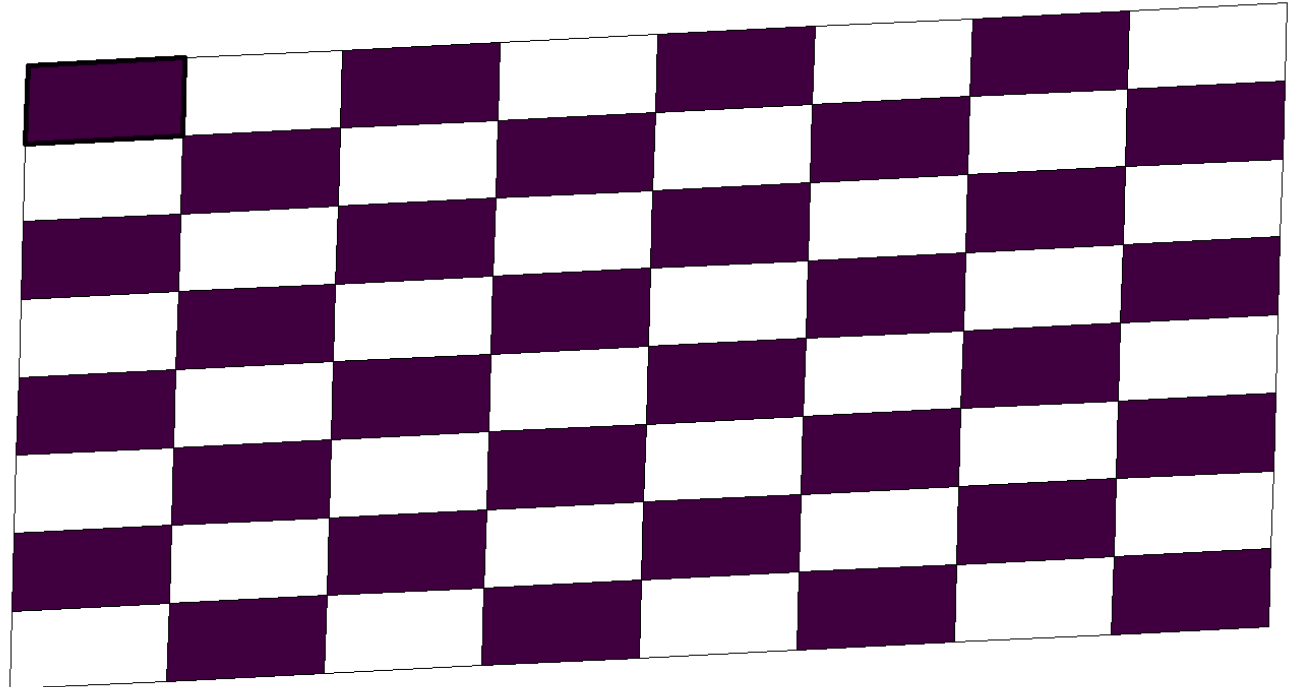
Puzzle-uri 2D si 3D



QML Alpha, LLC, Stamford, CT, USA

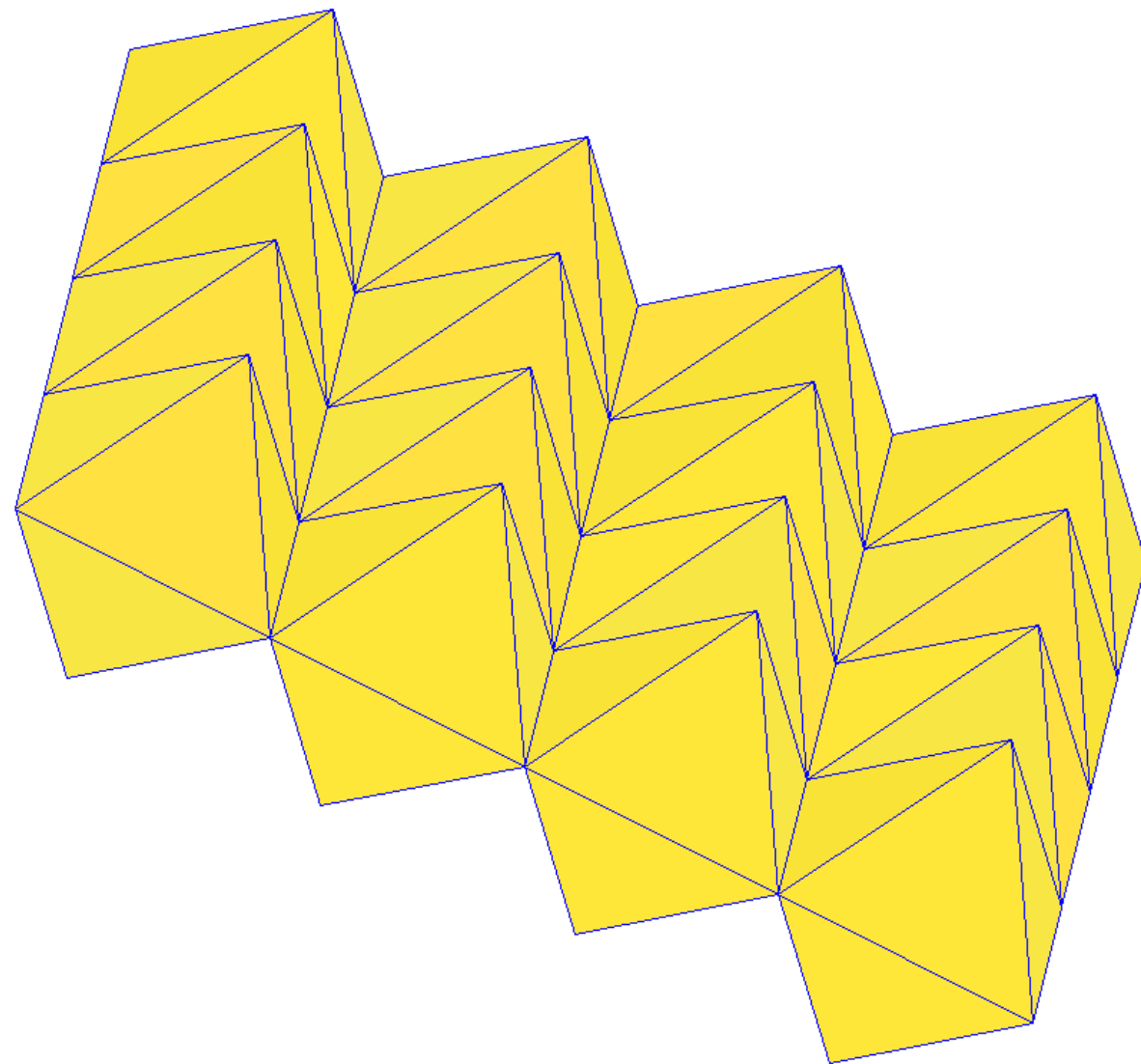
Puzzle 1.

- a. Construiti o table de sah din cat mai putine operatii
- b. Se poate acoperi table cu piese de domino bicolore, daca stergem 2 colturi opuse de pe table?
- c. [Rezolvati: Problema damelor - Wikipedia](#)



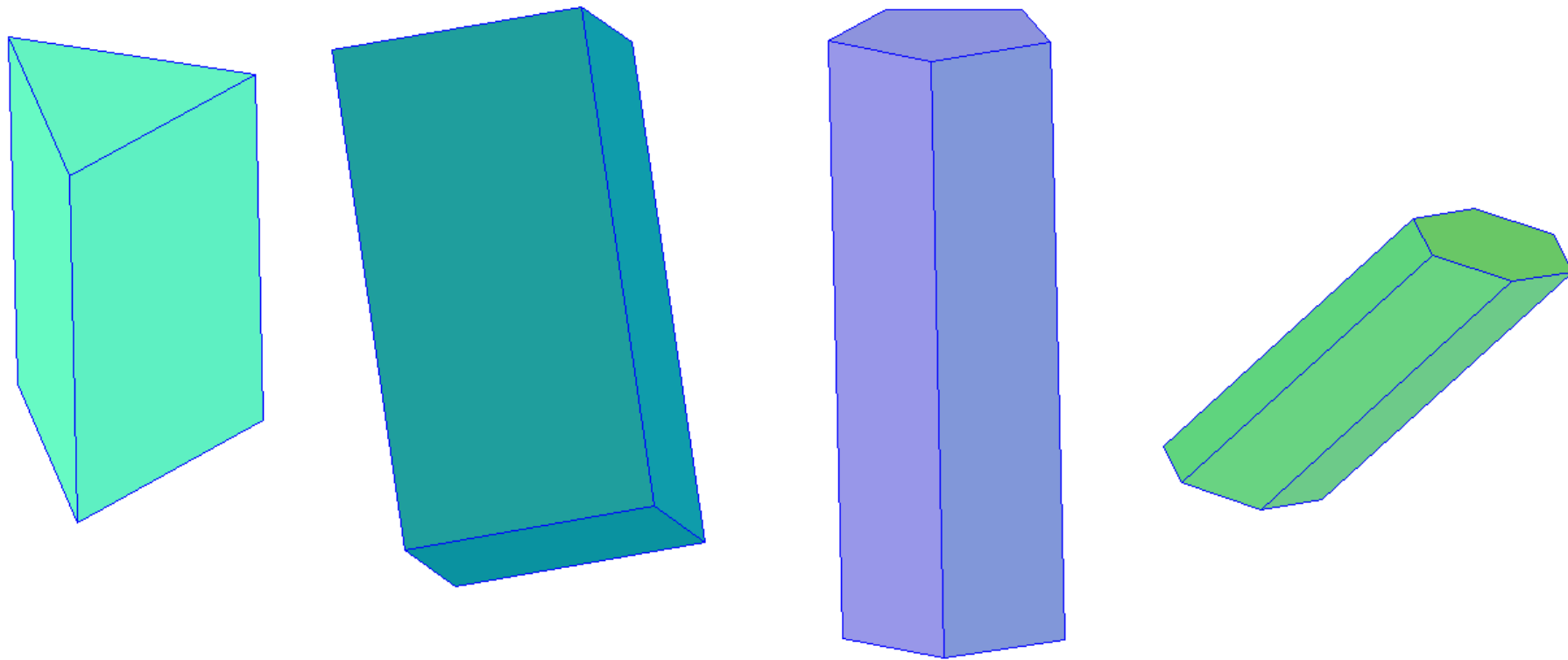
Puzzle 2.

Construiti o grila 4x4 de octaedre care se lipesc pe cate o muchie



Puzzle 3.

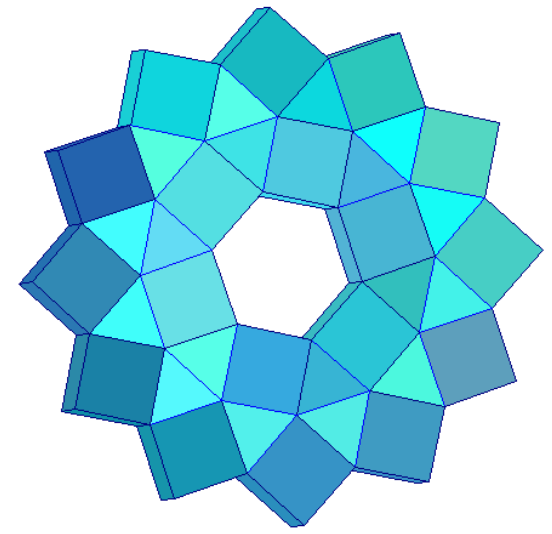
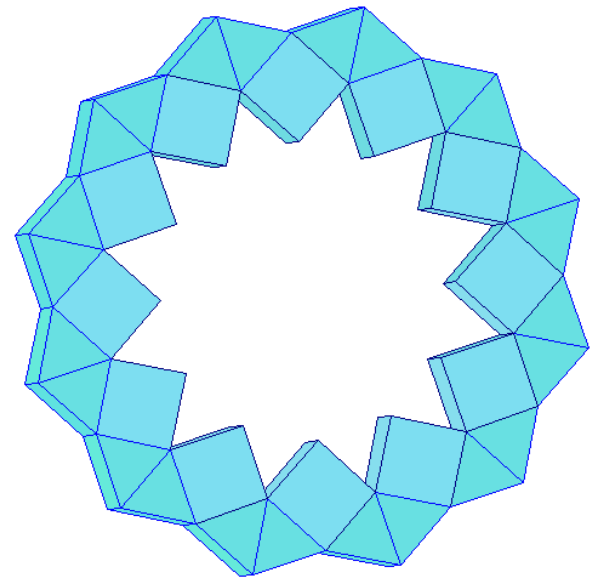
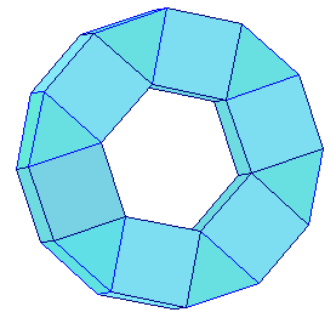
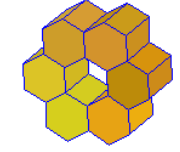
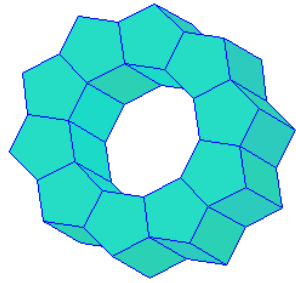
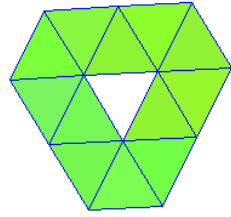
Construiti prismele din
imagine



Puzzle 4.

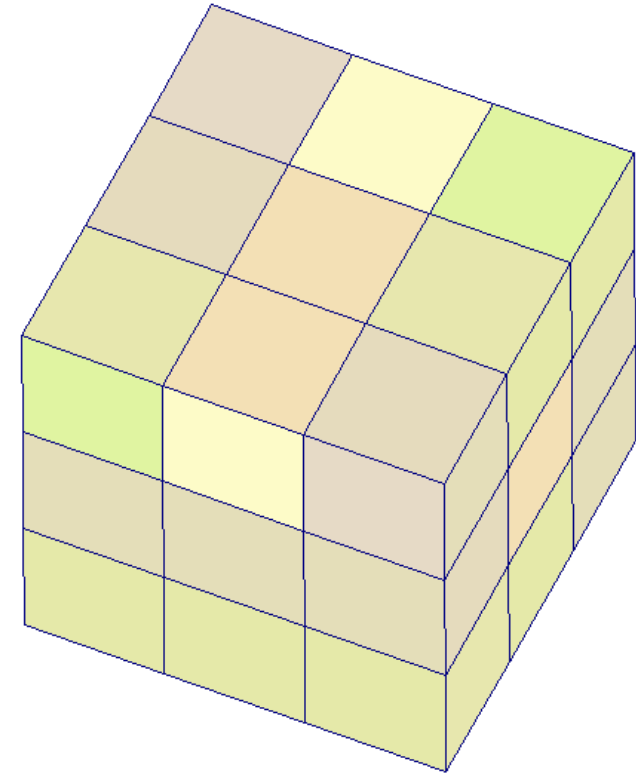
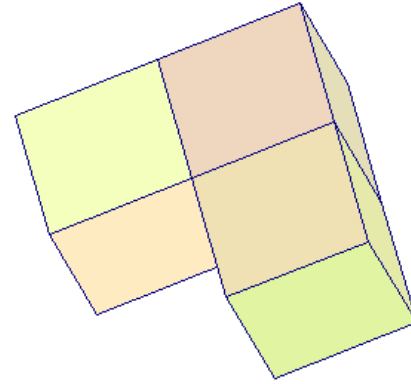
Rame din:

1. Triunghiuri
2. Triunghiuri si patrate
3. Pentagoane
4. Hexagoane



Puzzle 5.

Se poate reconstrui un cub de latura 3 din forme L de 3 cuburi?

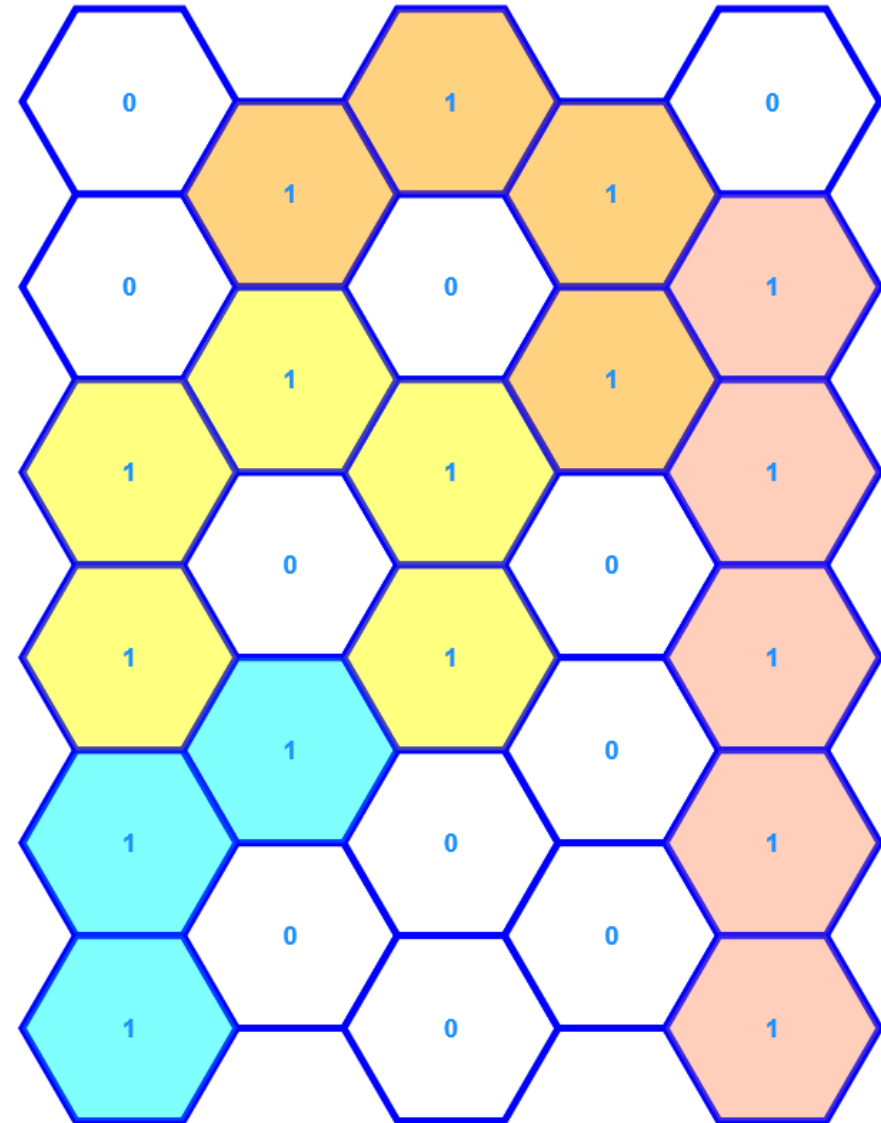


Puzzle 6.

Investigati impachetari si acoperiri 2D cu Hexa:

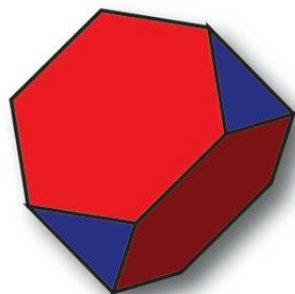
[Download HexPack – PoCo \(x-colony.com\)](http://x-colony.com)

Free 28 points Element C4 5 I5 5 S5 8 C3 6 C4

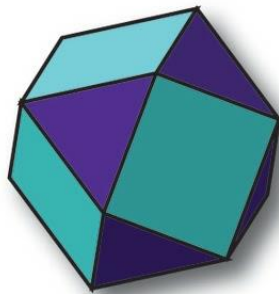


Puzzle 7.

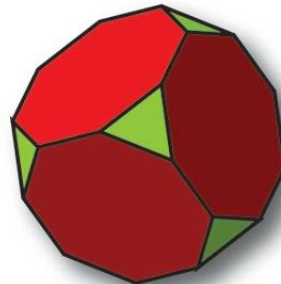
Care dintre urmatoarele poliedre arhimedice pot fi construite folosind platforma PoCo?



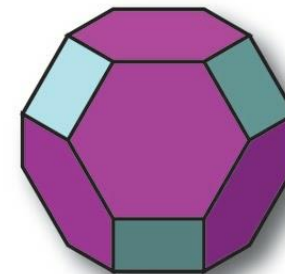
TRUNCATED TETRAHEDRON



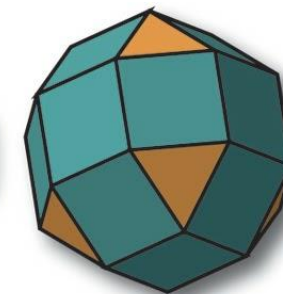
CUBOCTOHDRON



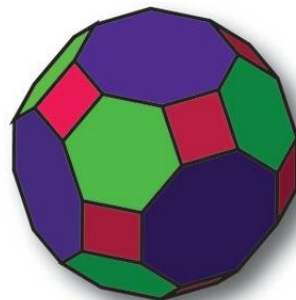
TRUNCATED CUBE



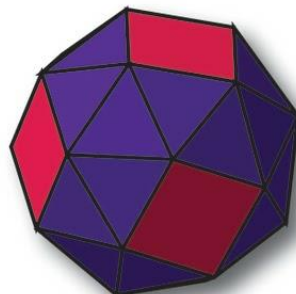
TRUNCATED OCTOHDRON



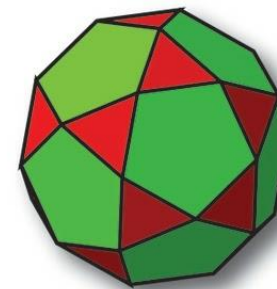
RHOMBICUBOCTOHDRON



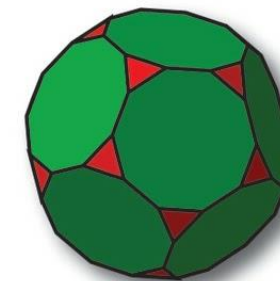
TRUNCATED CUBOCTOHDRON



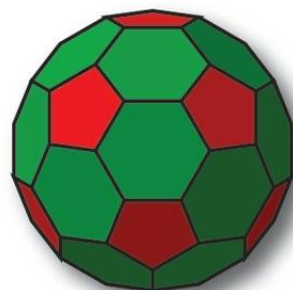
SNUB CUBE



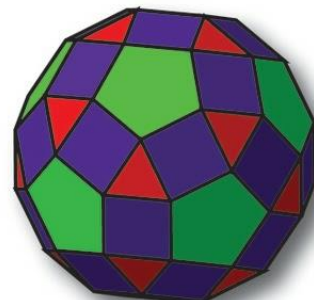
ICOSIDODECAHDRON



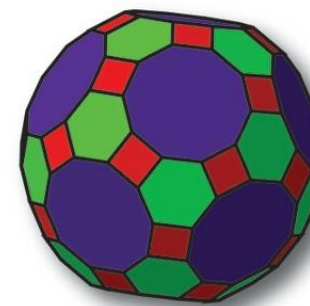
TRUNCATED DODECAHDRON



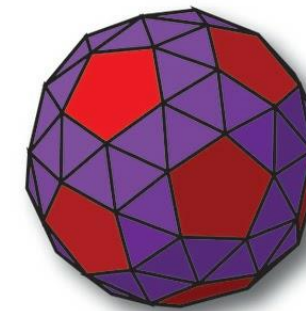
TRUNCATED ICOSAHDRON



RHOMBICOSIDODECAHDRON



TRUNCATED ICOSIDODECAHDRON

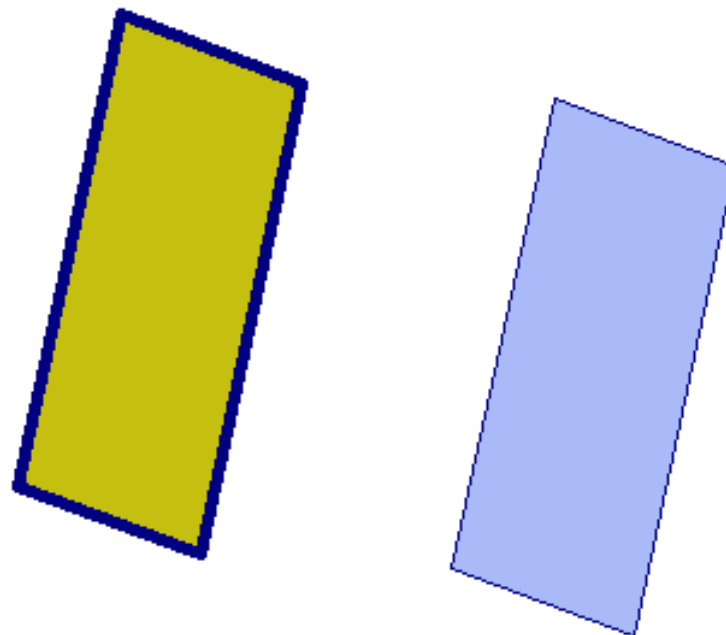


SNUB DODECAHDRON

Puzzle 8.

Un cub are toate varfurile acoperite de doua fete opuse

Care este numarul de fete minim care acopera toate varfurile unui poliedru?
Exemplificati cu corpurile platonice.





Tema de casa

Propuneti 2 puzzle-uri
Pregatiti o scurta
prezentare a solutiilor

