

PRAVILNI POLIEDRI - PLATONOVA TIJELA

Pravilni mnogokuti su ravninski geometrijski likovi kojima su sve stranice (bridovi) i svi kutovi sukladni. Pravilni poliedri su uglasta geometrijska tijela kojima su sve stranice (plohe) sukladni pravilni mnogokuti. Postoji samo 5 pravilnih poliedara, a prvi ih je opisao Platon (427.-347. pr.n.e.).

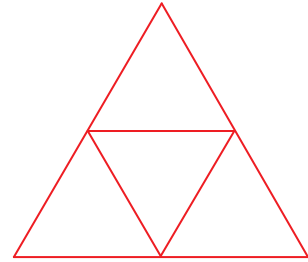
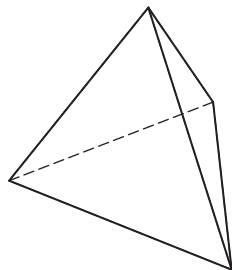
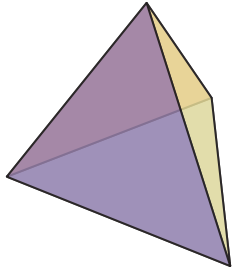
s - broj stranica poliedra
v - broj vrhova poliedra
b - broj bridova poliedra

bs - broj bridova na jednoj stranici poliedra
vs - broj vrhova na jednoj stranici poliedra
bv - broj bridova kroz jedan vrh poliedra
sv - broj stranica kroz jedan vrh poliedra

TETRAEDAR

s=4 v=4 b=6

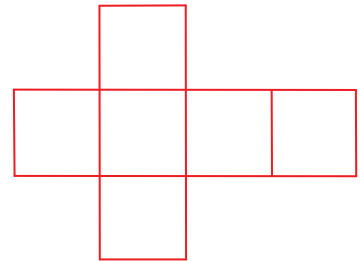
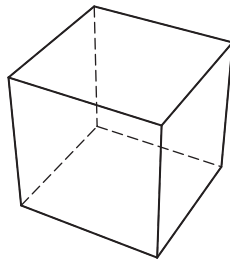
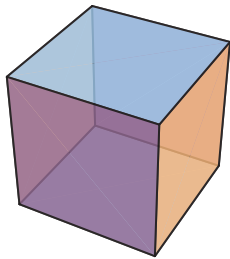
bs=vs=3 bv=sv=3



HEKSAEDAR - KOCKA

s=6 v=6 b=12

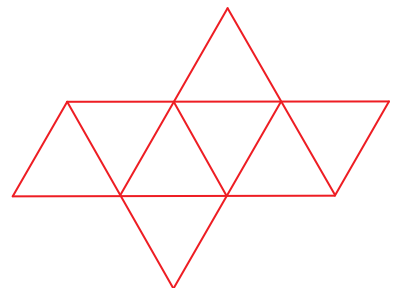
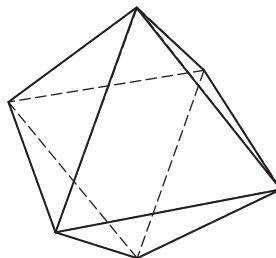
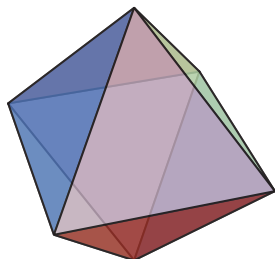
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OKTAEDAR

s=8 v=6 b=12

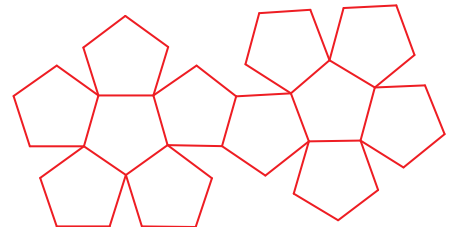
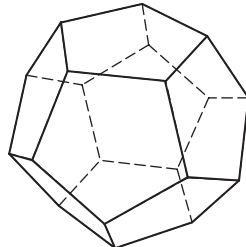
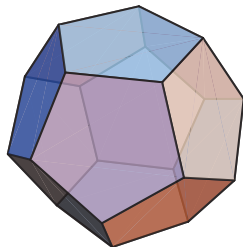
bs=vs=3 bv=sv=4



DODEKAEDAR

s=12 v=20 b=30

bs=vs=5 bv=sv=3



IKOSAEDAR

s=20 v=12 b=30

bs=vs=3 bv=sv=5

