

```

> pg := PolyhedralSet([J_12-J_23<=1,J_13-J_23<=1,J_12+J_13<=2,
    J_12>=0, J_13>=0, J_23>=0, J_12<=2, J_13<=2, J_23<=2], [J_12,
    J_13, J_23]);
py := PolyhedralSet([J_12-J_23>=1,J_12-J_13>=0,J_13+J_23<=1, J_12
    >=0, J_13>=0, J_23>=0, J_12<=2, J_13<=2, J_23<=2], [J_12,
    J_13, J_23]);
pb := PolyhedralSet([J_13-J_23>=1,J_13-J_12>=0,J_12+J_23<=1, J_12
    >=0, J_13>=0, J_23>=0, J_12<=2, J_13<=2, J_23<=2], [J_12,
    J_13, J_23]);
pr := PolyhedralSet([J_12+J_13>=2,J_13+J_23>=1,J_12+J_23>=1, J_12
    >=0, J_13>=0, J_23>=0, J_12<=2, J_13<=2, J_23<=2], [J_12,
    J_13, J_23]); plots:-display([Plot(pg, color='green'), Plot(
    py, color='yellow'), Plot(pb, color='blue'), Plot(pr, color='
    red')]);

```

$pg :=$     *Coordinates*    :     $[J_{12}, J_{13}, J_{23}]$   
           *Relations*     :     $[-J_{23} \leq 0, J_{23} \leq 2, -J_{13} \leq 0, J_{13} - J_{23} \leq 1, -J_{12} \leq 0, J_{12} - J_{23} \leq 1, J_{12} + J_{13} \leq 2]$

$py :=$     *Coordinates*    :     $[J_{12}, J_{13}, J_{23}]$   
           *Relations*     :     $[-J_{23} \leq 0, -J_{13} \leq 0, J_{13} + J_{23} \leq 1, -J_{12} + J_{23} \leq -1, J_{12} \leq 2]$

$pb :=$     *Coordinates*    :     $[J_{12}, J_{13}, J_{23}]$   
           *Relations*     :     $[-J_{23} \leq 0, -J_{13} + J_{23} \leq -1, J_{13} \leq 2, -J_{12} \leq 0, J_{12} + J_{23} \leq 1]$

$pr :=$     *Coordinates*    :     $[J_{12}, J_{13}, J_{23}]$   
           *Relations*     :     $[-J_{23} \leq 0, J_{23} \leq 2, -J_{13} - J_{23} \leq -1, J_{13} \leq 2, -J_{12} - J_{13} \leq -2, -J_{12} - J_{23} \leq -1, J_{12} \leq 2]$

