

A342305 = Number of nonisomorphic rings of the

type $\mathbb{Z}_n(A, B, a, b, c, d) := \frac{\mathbb{Z}_n \langle x, y \rangle}{(x^2 - A, y^2 - B, yx - a - bx - cy - dxy)}$

of order n^4 .

Nonisomorphic[n]:={A,B,a,b,c,d} , a complete family of non-isomorphic rings of the type $\mathbb{Z}_n(A,B,a,b,c,d)$

Nonisomorphic[2]={0,0,0,0,0,0},{0,0,0,0,0,1},{0,0,1,0,0,1}}

**Nonisomorphic[3]= {0,0,0,0,0,0},{0,0,0,0,0,1},{0,0,0,0,0,2},{0,0,1,0,0,2},{0,1,0,0,0,1},{0,1,0,0,0,2},
{0,1,0,1,0,0},{0,2,0,0,0,1},{0,2,0,0,0,2},{1,0,0,0,1,0},{1,1,0,0,0,1},{1,1,1,1,2,0},{1,2,0,0,0,1}}**

**Nonisomorphic[4]={0,0,0,0,0,0},{0,0,0,0,0,1},{0,0,0,0,0,2},{0,0,0,0,0,3},{0,0,0,0,2,1},{0,0,0,0,2,2},{0,0,0,0,2,3},
{0,0,1,0,0,3},{0,0,2,0,0,1},{0,0,2,0,0,3},{0,0,2,0,2,1},{0,0,2,0,2,3},{0,0,2,2,2,1},{0,0,2,2,2,3},{0,1,0,0,0,1},{0,1,0,0,0,3},
{0,1,0,0,2,1},{0,1,0,1,0,0},{0,1,0,1,0,2},{0,1,0,2,0,1},{0,1,0,2,0,3},{0,1,0,2,2,3},{0,1,2,0,0,1},{0,1,2,0,2,3},{0,1,2,2,0,3},
{0,1,2,2,2,1},{0,2,0,0,0,1},{0,2,0,0,0,3},{0,2,0,0,2,1},{0,2,0,0,2,3},{0,2,0,2,0,1},{0,2,0,2,0,3},{0,2,0,2,2,1},{0,2,0,2,2,3},
{0,2,2,0,0,1},{0,2,2,0,2,1},{0,2,2,0,2,3},{0,2,2,2,0,1},{0,2,2,2,0,3},{0,3,0,0,0,1},{0,3,0,0,0,3},{0,3,0,2,0,1},{0,3,0,2,0,3},
{0,3,2,0,0,1},{0,3,2,0,2,3},{0,3,2,2,0,3},{0,3,2,2,2,1},{1,0,0,0,1,0},{1,0,0,0,1,2},{1,1,0,0,0,1},{1,1,0,0,2,3},{1,1,0,2,2,1},
{1,1,0,2,2,3},{1,1,1,1,1,2},{1,1,1,1,3,0},{1,1,1,2,0,0,1},{1,1,2,0,2,1},{1,1,2,2,2,3},{1,2,0,0,0,1},{1,2,0,0,0,3},{1,2,0,0,2,1},
{1,2,0,0,2,3},{1,2,2,0,0,1},{1,2,2,0,2,3},{1,2,2,2,0,1},{1,2,2,2,0,3},{1,2,2,2,2,1},{1,2,2,2,2,3},{1,3,0,0,0,1},{1,3,0,0,2,3},
{1,3,0,2,0,3},{1,3,0,2,2,1},{1,3,2,0,2,1},{1,3,2,2,0,1},{1,3,2,2,2,3},{2,2,0,0,0,1},{2,2,0,0,2,1},{2,2,0,0,2,3},{2,2,2,0,0,1},
{2,2,2,0,0,3},{2,2,2,0,2,1},{2,2,2,0,2,3},{2,2,2,2,2,1},{2,2,2,2,2,3},{2,3,0,0,0,1},{2,3,0,0,2,1},{2,3,0,2,0,1},{2,3,0,2,0,3},
{2,3,2,0,0,1},{2,3,2,0,2,3},{2,3,2,2,0,3},{2,3,2,2,2,1},{3,3,0,0,2,3}, {3,3,0,2,2,1},{3,3,0,2,2,3},{3,3,2,0,2,1}}**

**Nonisomorphic[5]=
{0,0,0,0,0,0},{0,0,0,0,0,1},{0,0,0,0,0,2},{0,0,0,0,0,4},{0,0,1,0,0,4},{0,1,0,0,0,1},{0,1,0,0,0,4},{0,1,0,1,0,0},
{0,2,0,0,0,1},{0,2,0,0,0,4},{1,0,0,0,1,0},{1,1,0,0,0,1},{1,1,1,1,4,0},{1,2,0,0,0,1}}**

**Nonisomorphic[7]=
{0,0,0,0,0,0},{0,0,0,0,0,1},{0,0,0,0,0,2},{0,0,0,0,0,3},{0,0,0,0,0,6},{0,0,1,0,0,6},{0,1,0,0,0,1},{0,1,0,0,0,6},
{0,1,0,1,0,0},{0,3,0,0,0,1},{0,3,0,0,0,6},{1,0,0,0,1,0},{1,1,0,0,0,1},{1,1,1,1,6,0},{1,3,0,0,0,1}}**

**Nonisomorphic[8]={0,0,0,0,0,0},{0,0,0,0,0,2},{0,0,0,0,0,4},{0,0,0,0,0,6},{0,1,0,1,0,0},{0,1,0,1,0,4},{0,4,0,2,0,0},{0,4,0,2,0,2},
{0,4,0,2,0,4},{0,4,0,2,0,6},{1,0,0,0,1,0},{1,0,0,0,1,4},{1,1,1,1,3,4},{1,1,1,1,7,0},{1,4,2,2,3,0},{1,4,2,2,3,4},{4,0,0,0,2,0},{4,0,0,0,2,2},
{4,0,0,0,2,4},{4,0,0,0,2,6},{4,1,2,1,6,0},{4,1,2,1,6,4},{4,4,4,2,2,0},{4,4,4,2,2,2},{4,4,4,2,2,4},{4,4,4,2,2,6},{0,0,0,0,0,1},{0,0,0,0,4,1},
{0,0,0,4,4,1},{0,0,4,0,0,1},{0,0,4,0,4,1},{0,0,4,4,4,1},{0,1,0,0,0,1},{0,1,0,0,4,1},{0,1,0,4,0,1},{0,1,0,4,4,1},{0,1,4,0,0,1},{0,1,4,0,4,1},
{0,1,4,4,0,1},{0,1,4,4,4,1},{0,2,0,0,0,1},{0,2,0,0,4,1},{0,2,0,4,0,1},{0,2,0,4,4,1},{0,2,4,0,0,1},{0,2,4,0,4,1},{0,2,4,4,0,1},{0,2,4,4,4,1},
{0,3,0,0,0,1},{0,3,0,0,4,1},{0,3,0,4,0,1},{0,3,0,4,4,1},{0,3,4,0,0,1},{0,3,4,0,4,1},{0,3,4,4,0,1},{0,3,4,4,4,1},{0,4,0,0,0,1},{0,4,0,0,4,1},
{0,4,0,4,0,1},{0,4,0,4,4,1},{0,5,0,0,0,1},{0,5,0,0,4,1},{0,5,0,4,0,1},{0,5,0,4,4,1},{0,5,4,0,0,1},{0,5,4,0,4,1},{0,5,4,4,0,1},{0,5,4,4,4,1},
{0,6,0,0,0,1},{0,6,0,0,4,1},{0,6,0,4,0,1},{0,6,0,4,4,1},{0,6,4,0,0,1},{0,6,4,0,4,1},{0,6,4,4,0,1},{0,6,4,4,4,1},{0,7,0,0,0,1},{0,7,0,0,4,1},
{0,7,0,4,0,1},{0,7,0,4,4,1},{0,7,4,0,0,1},{0,7,4,0,4,1},{0,7,4,4,0,1},{0,7,4,4,4,1},{1,0,0,0,1},{1,1,0,0,4,1},{1,1,0,4,4,1},{1,1,4,0,0,1},
{1,1,4,4,4,1},{1,2,0,0,0,1},{1,2,0,0,4,1},{1,2,0,4,0,1},{1,2,0,4,4,1},{1,2,4,0,0,1},{1,2,4,0,4,1},{1,2,4,4,0,1},{1,2,4,4,4,1},{1,3,0,0,0,1},
{1,3,0,0,4,1},{1,3,0,4,0,1},{1,3,0,4,4,1},{1,3,4,0,0,1},{1,3,4,0,4,1},{1,3,4,4,4,1},{1,4,0,0,0,1},{1,4,0,0,4,1},{1,4,4,4,0,1},{1,4,4,4,4,1},
{1,5,0,0,0,1},{1,5,0,4,4,1},{1,5,4,4,0,1},{1,6,0,0,0,1},{1,6,0,0,4,1},{1,6,4,4,0,1},{1,6,4,4,4,1},{1,7,0,0,0,1},{1,7,0,4,4,1},{1,7,4,4,0,1},
{2,2,0,0,0,1},{2,2,0,0,4,1},{2,2,0,4,4,1},{2,2,4,0,0,1},{2,2,4,0,4,1},{2,2,4,4,4,1},{2,3,0,0,0,1},{2,3,0,0,4,1},{2,3,0,4,0,1},{2,3,0,4,4,1},
{2,3,4,0,4,1},{2,3,4,4,4,1},{2,4,0,0,0,1},{2,4,0,0,4,1},{2,4,0,4,0,1},{2,4,0,4,4,1},{2,5,0,0,0,1},{2,5,0,0,4,1},{2,5,0,4,0,1},{2,5,0,4,4,1},
{2,5,4,0,0,1},{2,5,4,0,4,1},{2,5,4,4,0,1},{2,5,4,4,4,1},{2,6,0,0,0,1},{2,6,0,0,4,1},{2,6,0,4,0,1},{2,6,0,4,4,1},{2,6,4,0,0,1},{2,6,4,0,4,1},
{2,6,4,4,0,1},{2,6,4,4,4,1},{2,7,0,0,0,1},{2,7,0,0,4,1},{2,7,0,4,0,1},{2,7,0,4,4,1},{2,7,4,0,4,1},{2,7,4,4,4,1},{3,3,0,0,4,1},{3,3,4,0,0,1},
{3,3,4,4,4,1},{3,4,0,0,0,1},{3,4,0,0,4,1},{3,4,4,4,0,1},{3,4,4,4,4,1},{3,5,0,0,0,1},{3,5,0,4,4,1},{3,5,4,0,4,1},{3,5,4,4,0,1},{3,6,0,4,0,1},
{3,6,0,4,4,1},{4,4,0,0,0,1},{4,4,0,0,4,1},{4,4,0,4,4,1},{4,5,0,0,0,1},{4,5,0,4,0,1},{4,5,4,0,4,1},{4,5,4,4,4,1},{4,6,0,0,0,1},{4,6,0,0,4,1},
{4,6,0,4,0,1},{4,6,0,4,4,1},{4,7,0,0,0,1},{4,7,0,4,0,1},{4,7,4,0,4,1},{4,7,4,4,4,1},{5,5,0,0,4,1},{5,5,4,4,4,1},{5,6,0,0,0,1},{5,6,0,0,4,1},
{5,6,4,4,0,1},{5,6,4,4,4,1},{5,7,0,0,4,1},{5,7,0,4,0,1},{5,7,4,4,4,1},{6,6,0,0,0,1},{6,6,0,0,4,1},{6,6,0,4,4,1},{6,6,4,0,0,1},{6,6,4,0,4,1},
{6,6,4,4,4,1},{6,7,0,0,4,1},{6,7,0,4,4,1},{0,0,0,0,0,3},{0,0,0,0,4,3},{0,0,0,4,4,3},{0,0,2,0,0,3},{0,0,2,0,4,3},{0,0,2,4,4,3},{0,0,4,0,0,3},
{0,0,4,0,4,3},{0,0,4,4,4,3},{0,1,0,0,0,3},{0,1,0,0,4,3},{0,1,0,4,0,3},{0,1,0,4,4,3},{0,1,2,0,0,3},{0,1,2,0,4,3},{0,1,4,0,0,3},{0,1,4,0,4,3}}**

{0,1,4,4,0,3},{0,1,4,4,4,3},{0,2,0,0,0,3},{0,2,0,0,4,3},{0,2,0,4,0,3},{0,2,0,4,4,3},{0,2,2,0,0,3},{0,2,2,0,4,3},{0,2,2,4,0,3},{0,2,4,0,0,3},
{0,2,4,0,4,3},{0,2,4,4,0,3},{0,2,4,4,4,3},{0,3,0,0,0,3},{0,3,0,0,4,3},{0,3,0,4,0,3},{0,3,0,4,4,3},{0,3,2,0,0,3},{0,3,4,0,0,3},{0,3,4,0,4,3},
{0,3,4,4,0,3},{0,3,4,4,4,3},{0,4,0,0,0,3},{0,4,0,0,4,3},{0,4,0,4,0,3},{0,4,4,4,0,3},{0,5,0,0,0,3},{0,5,0,4,0,3},{0,5,0,4,4,3},{0,5,4,0,0,3},
{0,5,4,0,4,3},{0,5,4,4,0,3},{0,5,4,4,4,3},{0,6,0,0,0,3},{0,6,0,0,4,3},{0,6,0,4,0,3},{0,6,4,4,0,3},{0,7,0,0,0,3},{0,7,0,4,0,3},{0,7,0,4,4,3},
{0,7,4,0,0,3},{0,7,4,0,4,3},{0,7,4,4,0,3},{0,7,4,4,4,3},{1,1,0,0,0,3},{1,1,2,0,4,3},{1,1,2,4,4,3},{1,2,0,0,0,3},{1,2,0,0,4,3},{1,2,0,4,0,3},
{1,2,0,4,4,3},{1,2,2,0,0,3},{1,2,2,0,4,3},{1,2,4,4,0,3},{1,3,2,0,4,3},{1,3,2,4,0,3},{1,3,2,4,4,3},{1,5,2,0,4,3},{1,5,2,4,0,3},{1,5,2,4,4,3},{1,7,2,0,4,3},
{2,2,0,0,0,3},{2,2,0,0,4,3},{2,2,0,4,4,3},{2,2,2,0,0,3},{2,2,2,0,4,3},{2,2,2,4,4,3},{2,2,4,0,0,3},{2,2,4,0,4,3},{2,2,4,4,4,3},{2,3,0,0,0,3},
{2,3,0,4,0,3},{2,3,0,4,4,3},{2,3,2,0,0,3},{2,3,4,0,0,3},{2,3,4,0,4,3},{2,3,4,4,0,3},{2,3,4,4,4,3},{2,4,0,0,0,3},{2,4,0,0,4,3},{2,4,0,4,0,3},
{2,4,4,4,0,3},{2,5,0,0,0,3},{2,5,0,0,4,3},{2,5,0,4,0,3},{2,5,0,4,4,3},{2,6,0,4,0,3},{2,6,4,0,0,3},{2,6,4,0,4,3},{2,6,4,4,0,3},{2,7,0,0,0,3},
{2,7,4,0,0,3},{3,3,0,0,0,3},{3,3,2,0,4,3},{3,3,2,4,4,3},{3,5,2,0,4,3},{3,5,2,4,0,3},{3,5,2,4,4,3},{3,7,2,0,4,3},{3,7,2,4,0,3},{3,7,2,4,4,3},
{4,4,0,0,0,3},{4,4,0,0,4,3},{4,4,0,4,4,3},{4,4,4,4,4,3},{4,6,0,0,0,3},{4,6,0,0,4,3},{4,6,0,4,0,3},{4,6,0,4,4,3},{4,6,4,4,4,3},{5,5,2,0,4,3},
{5,5,2,4,4,3},{5,7,2,0,4,3},{6,6,4,0,0,3},{6,6,4,0,4,3},{7,7,2,0,4,3},{7,7,2,4,4,3},{0,0,0,0,0,5},{0,0,0,0,4,5},{0,0,0,4,4,5},{0,0,4,0,0,5},
{0,0,4,0,4,5},{0,0,4,4,4,5},{0,1,0,0,0,5},{0,1,0,0,4,5},{0,1,0,4,0,5},{0,1,0,4,4,5},{0,1,4,0,0,5},{0,1,4,0,4,5},{0,1,4,4,0,5},{0,1,4,4,4,5},
{0,2,0,0,0,5},{0,2,0,0,4,5},{0,2,0,4,0,5},{0,2,4,0,0,5},{0,2,4,0,4,5},{0,2,4,4,0,5},{0,2,4,4,4,5},{0,3,0,0,0,5},{0,3,0,0,4,5},
{0,3,0,4,0,5},{0,3,0,4,4,5},{0,3,4,0,0,5},{0,3,4,0,4,5},{0,3,4,4,0,5},{0,3,4,4,4,5},{0,4,0,0,0,5},{0,4,0,0,4,5},{0,4,0,4,0,5},{0,4,0,4,4,5},
{0,5,0,0,0,5},{0,5,0,0,4,5},{0,5,0,4,0,5},{0,5,0,4,4,5},{0,5,4,0,0,5},{0,5,4,0,4,5},{0,5,4,4,0,5},{0,5,4,4,4,5},{0,6,0,0,0,5},{0,6,0,0,4,5},
{0,6,0,4,0,5},{0,6,0,4,4,5},{0,6,4,0,0,5},{0,6,4,0,4,5},{0,6,4,4,0,5},{0,6,4,4,4,5},{0,7,0,0,0,5},{0,7,0,0,4,5},{0,7,0,4,0,5},{0,7,0,4,4,5},
{0,7,4,0,0,5},{0,7,4,0,4,5},{0,7,4,4,0,5},{0,7,4,4,4,5},{1,1,0,0,0,5},{1,1,0,0,4,5},{1,1,0,4,4,5},{1,1,4,0,4,5},{1,1,4,4,4,5},{1,2,0,0,0,5},
{1,2,0,0,4,5},{1,2,0,4,0,5},{1,2,4,0,0,5},{1,2,4,0,4,5},{1,2,4,4,0,5},{1,2,4,4,4,5},{1,3,0,0,0,5},{1,3,0,0,4,5},{1,3,0,4,0,5},
{1,3,0,4,4,5},{1,3,4,0,0,5},{1,3,4,0,4,5},{1,3,4,4,0,5},{1,3,4,4,4,5},{1,4,0,0,0,5},{1,4,0,0,4,5},{1,4,4,4,0,5},{1,4,4,4,4,5},{1,5,0,0,0,5},{1,5,0,0,4,5},
{1,5,4,4,4,5},{1,6,0,0,0,5},{1,6,0,0,4,5},{1,6,4,4,0,5},{1,6,4,4,4,5},{1,7,0,0,0,5},{1,7,0,0,4,5},{1,7,4,4,0,5},{1,7,4,4,4,5},{2,2,0,0,0,5},{2,2,0,0,4,5},
{2,2,4,0,0,5},{2,2,4,0,4,5},{2,2,4,4,0,5},{2,2,4,4,4,5},{2,3,0,0,0,5},{2,3,0,0,4,5},{2,3,0,4,0,5},{2,3,0,4,4,5},{2,3,4,0,0,5},{2,3,4,0,4,5},
{2,3,4,4,0,5},{2,3,4,4,4,5},{2,4,0,0,0,5},{2,4,0,0,4,5},{2,4,0,4,0,5},{2,4,0,4,4,5},{2,5,0,0,0,5},{2,5,0,0,4,5},{2,5,0,4,0,5},{2,5,0,4,4,5},
{2,5,4,0,0,5},{2,5,4,0,4,5},{2,5,4,4,0,5},{2,5,4,4,4,5},{2,6,0,0,0,5},{2,6,0,0,4,5},{2,6,0,4,0,5},{2,6,0,4,4,5},{2,6,4,0,0,5},{2,6,4,0,4,5},
{2,6,4,4,0,5},{2,6,4,4,4,5},{2,7,0,0,0,5},{2,7,0,0,4,5},{2,7,0,4,0,5},{2,7,0,4,4,5},{2,7,4,4,0,5},{2,7,4,4,4,5},{3,3,0,0,0,5},{3,3,0,4,4,5},{3,3,4,0,0,5},
{3,3,4,0,4,5},{3,4,0,0,0,5},{3,4,0,0,4,5},{3,4,4,4,0,5},{3,4,4,4,4,5},{3,5,0,0,0,5},{3,5,0,4,0,5},{3,5,4,0,0,5},{3,5,4,4,4,5},{3,6,0,4,0,5},{3,6,0,4,4,5},
{4,4,0,0,0,5},{4,4,0,0,4,5},{4,4,0,4,4,5},{4,5,0,0,0,5},{4,5,0,4,0,5},{4,5,4,0,4,5},{4,5,4,4,4,5},{4,6,0,0,0,5},{4,6,0,0,4,5},{4,6,0,4,0,5},{4,6,0,4,4,5},
{4,7,0,0,0,5},{4,7,0,0,4,5},{4,7,4,0,4,5},{4,7,4,4,4,5},{5,5,0,0,0,5},{5,5,0,4,4,5},{5,5,4,0,0,5},{5,5,4,0,4,5},{5,6,0,0,0,5},{5,6,0,0,4,5},
{5,6,4,0,0,5},{5,6,4,0,4,5},{5,7,0,0,0,5},{5,7,0,4,0,5},{5,7,4,4,0,5},{6,6,0,0,0,5},{6,6,0,0,4,5},{6,6,0,4,0,5},{6,6,0,4,4,5},{6,6,4,0,0,5},
{6,6,4,0,4,5},{6,7,0,0,0,5},{6,7,0,0,4,5},{6,7,0,4,0,5},{6,7,0,4,4,5},{0,0,0,0,0,7},{0,0,0,0,4,7},{0,0,0,4,4,7},{0,0,1,0,0,7},{0,0,2,0,0,7},
{0,0,2,0,4,7},{0,0,2,4,4,7},{0,0,4,0,0,7},{0,0,4,0,4,7},
{0,0,4,4,4,7},{0,1,0,0,0,7},{0,1,0,0,4,7},{0,1,0,4,0,7},{0,1,0,4,4,7},{0,1,2,4,0,7},{0,1,2,4,4,7},{0,1,4,0,0,7},{0,1,4,0,4,7},{0,1,4,4,0,7},
{0,1,4,4,4,7},{0,2,0,0,0,7},{0,2,0,0,4,7},{0,2,0,4,0,7},{0,2,0,4,4,7},{0,2,2,0,4,7},{0,2,2,4,0,7},{0,2,4,0,0,7},{0,2,4,0,4,7},{0,2,4,4,0,7},
{0,2,4,4,4,7},{0,3,0,0,0,7},{0,3,0,0,4,7},{0,3,0,4,0,7},{0,3,0,4,4,7},{0,3,2,4,0,7},{0,3,4,0,0,7},{0,3,4,0,4,7},{0,3,4,4,0,7},{0,3,4,4,4,7},
{0,4,0,0,0,7},{0,4,0,0,4,7},{0,4,0,4,0,7},{0,4,4,4,0,7},{0,4,4,4,4,7},{0,5,0,0,0,7},{0,5,0,0,4,7},{0,5,0,4,0,7},{0,5,4,0,0,7},{0,5,4,0,4,7},
{0,5,4,4,0,7},{0,5,4,4,4,7},{0,6,0,0,0,7},{0,6,0,0,4,7},{0,6,0,4,0,7},{0,6,4,4,0,7},{0,6,4,4,4,7},{0,7,0,0,0,7},{0,7,0,0,4,7},{0,7,0,4,0,7},{0,7,4,0,4,7},
{0,7,4,4,0,7},{0,7,4,4,4,7},{1,1,0,4,4,7},{1,1,2,0,4,7},{1,1,2,0,0,7},{1,1,2,0,4,7},{1,1,2,0,4,7},{1,1,2,0,4,7},{1,1,2,0,4,7},{1,1,2,4,4,7},
{1,1,2,4,4,7},{1,1,3,2,4,0,7},{1,1,3,2,4,0,7},{1,1,5,2,0,4,7},{1,1,5,2,4,0,7},{1,1,7,2,4,0,7},{1,2,2,0,0,4,7},{1,2,2,0,0,4,7},{1,2,2,0,0,4,7},
{1,2,2,0,0,4,7},{1,2,2,4,4,7},{1,2,2,4,0,7},
{1,2,2,4,4,7},{1,2,2,4,0,7},
{2,2,4,4,4,7},{2,3,0,0,0,7},{2,3,0,0,4,7},{2,3,0,4,0,7},{2,3,2,4,0,7},{2,3,2,4,4,7},{2,3,4,0,4,7},{2,3,4,4,0,7},{2,3,4,4,4,7},{2,4,0,0,0,7},
{2,4,0,0,4,7},{2,4,0,4,0,7},{2,4,4,4,0,7},{2,4,4,4,4,7},{2,5,0,0,4,7},{2,5,0,4,0,7},{2,5,4,4,4,7},{2,6,0,4,0,7},{2,6,4,0,4,7},{2,6,4,4,0,7},
{2,7,0,4,0,7},{2,7,4,4,0,7},{3,3,2,0,4,7},{3,5,2,0,4,7},{3,5,2,4,0,7},{3,7,2,0,4,7},{3,7,2,4,0,7},{4,4,0,0,4,7},{4,4,0,4,4,7},{4,6,0,0,4,7},
{4,6,0,4,0,7},{4,6,0,4,4,7},{5,5,2,0,4,7},{5,7,2,4,0,7},{6,6,4,0,4,7},{7,7,2,0,4,7}

Nonisomorphic[9]={{0,0,0,0,0,0},{0,0,0,0,0,1},{0,0,0,0,0,2},{0,0,0,0,0,3},{0,0,0,0,0,4},{0,0,0,0,0,6},{0,0,0,0,0,8},{0,0,0,0,3,0},
{0,0,0,0,3,3},{0,0,0,0,3,6},{0,0,0,3,0,0},{0,0,0,3,0,3},{0,0,0,3,0,6},{0,0,0,3,3,0},{0,0,0,3,3,3},{0,0,0,3,3,6},{0,0,1,0,0,8},{0,0,3,0,0,2},
{0,0,3,0,0,8},{0,1,0,0,0,1},{0,1,0,0,0,8},{0,1,0,1,0,0},{0,1,3,1,6,0},{0,2,0,0,0,1},{0,2,0,0,0,8},{0,3,0,0,0,1},{0,3,0,0,0,2},{0,3,0,0,0,4},
{0,3,0,0,0,5},{0,3,0,0,0,7},{0,3,0,0,0,8},{0,3,3,0,0,2},{0,3,3,0,0,5},{0,6,0,0,0,1},{0,6,0,0,0,2},{0,6,0,0,0,4},{0,6,0,0,0,5},{0,6,0,0,0,7},
{0,6,0,0,0,8},{0,6,3,0,0,2},{0,6,3,0,0,5},{1,0,0,0,1,0},{1,0,0,3,3,8,0},{1,1,0,0,0,1},{1,1,1,1,0,8},{1,1,1,1,8,0},{1,2,0,0,0,1},{1,3,0,0,0,1},
{1,6,0,0,0,1},{2,2,1,0,0,8},{2,3,0,0,0,1},{3,3,0,0,0,1},{3,3,0,0,0,2},{3,3,0,0,0,4},{3,3,0,0,0,8},{3,3,3,0,0,2},{3,6,0,0,0,1},{3,6,0,0,0,2},
{3,6,0,0,0,4},{3,6,0,0,0,5},{3,6,0,0,0,7},{3,6,3,0,0,2},{3,6,3,0,0,5},{6,6,0,0,0,1},{6,6,0,0,0,2},{6,6,0,0,0,4},{6,6,3,0,0,2}}