- Input Parameters:
 - Number of variables (n): 4
 - Constraint tightness (p): 0.33
 - Constant α: 0.8
 - Constant r: 0.7
 - Max number of parents: 3
 - Pareto (k): 3
- Generated RB Instance
 - Domain size: 3
 - Number of constraints: 4
 - Number of incompatible tuples: 3
 - Variables: {X0, X1, X2, X3}
 - Domain: {0, 1, 2}
 - Constraints (incompatible tuples):
 - (X0, X2): [(0,1), (0,2), (2,1)]
 - (X1, X2): [(0,0), (1,1), (2,2)]
 - (X1, X3): [(0,0), (2,0), (2,2)]
 - (X2, X3): [(0,2), (1,0), (2,2)]
 - Dependencies: List of parents for each variable:
 - X0: Nil
 - X1: {X0}
 - X2: {X0, X1}
 - X3: {X0, X1, X2}
 - CPT for each variable:
 - X0:
- 2 > 1 > 0
- X1:
- 0: 0 > 2 > 1
- 1: 2 > 0 > 1
- 2: 1 > 0 > 2
- X2:
 - 0,0: 2 > 0 > 1
 - 0,1: 1 > 2 > 0
 - 0,2: 1 > 0 > 2
 - 1,0: 1 > 2 > 0
 - 1,1: 2 > 0 > 1
 - 1,2: 2 > 0 > 1
 - 2,0:0>2>1
 - 2,1: 1 > 2 > 0
 - 2,2: 2 > 0 > 1
- X3:
 - 0,0,0: 2 > 1 > 0
 - 0,0,1: 0 > 1 > 2
 - 0,0,2: 0 > 2 > 1

- 0,1,0: 2 > 0 > 1
- 0,1,1: 0 > 2 > 1
- 0,1,2: 0 > 2 > 1
- 0,2,0: 1 > 0 > 2
- 0,2,1: 1 > 0 > 2
- 0,2,2: 1 > 0 > 2
- 1,0,0: 0 > 1 > 2
- 1,0,1: 0 > 1 > 2
- 1,0,2: 0 > 2 > 1
- 1,1,0: 1 > 2 > 0
- 1,1,1: 0 > 2 > 1
- 1,1,2: 0 > 2 > 1
- 1,2,0: 0 > 1 > 2
- 1,2,1: 1 > 0 > 2
- 1,2,2: 0 > 2 > 1
- 2,0,0: 2 > 1 > 0
- 2,0,1: 2 > 1 > 0
- 2,0,2: 2 > 0 > 1
- 2,1,0: 0 > 2 > 1
- 2,2,0.0.2.2
- 2,1,1: 0 > 1 > 22,1,2: 1 > 0 > 2
- 2,2,0: 2 > 0 > 1
- 2,2,1: 0 > 1 > 2
- 2,2,2: 2 > 0 > 1
- First solution:
 - X0 = 2, X1 = 1, X2 = 2, X3 = 1

2.

- Input Parameters:
 - Number of variables (n): 6
 - Constraint tightness (p): 0.33
 - Constant α: 0.8
 - Constant r: 0.7
 - Max number of parents: 3
 - Pareto (k): 2
- Generated RB Instance
 - Domain size: 4
 - Number of constraints: 8
 - Number of incompatible tuples: 5
 - Variables: {X0, X1, X2, X3, X4, X5}
 - Domain: {0, 1, 2, 3}
 - Constraints (incompatible tuples):
 - (X0, X1): [(0,0), (0,1), (0,2), (1,0), (1,1)]
 - (X0, X3): [(0,2), (2,1), (2,2), (2,3), (3,3)]
 - (X0, X4): [(0,1), (1,2), (1,3), (3,1), (3,3)]
 - (X0, X5): [(0,2), (1,1), (1,2), (2,0), (2,1)]
 - (X1, X4): [(0,0), (0,1), (2,0), (2,2), (3,2)]
 - (X1, X5): [(0,2), (1,1), (2,1), (2,3), (3,3)]

- (X3, X5): [(0,1), (0,2), (1,3), (2,0), (3,3)]
- (X4, X5): [(0,2), (1,0), (1,2), (1,3), (2,2)]
- Dependencies: List of parents for each variable:
 - X0: Nil
 - X1: {X0}
 - X2: {X0, X1}
 - X3: {X0, X1, X2}
 - X4: {X0, X1, X3}
 - X5: {X0, X1, X2}
- CPT for each variable:
 - X0:
- 3>1>0>2
- X1:
- 0: 1 > 0 > 2 > 3
- 1: 0 > 3 > 1 > 2
- 2: 0 > 1 > 2 > 3
- 3:1>3>0>2
- X2:
- 0,0: 0 > 2 > 3 > 1
- 0,1: 1 > 2 > 3 > 0
- 0,2: 1 > 2 > 3 > 0
- 0,3: 1 > 0 > 2 > 3
- 1,0: 3 > 0 > 2 > 1
- 1,1: 0 > 2 > 3 > 1
- 1,2: 1 > 0 > 2 > 3
- 1,3: 2 > 0 > 3 > 1
- 2,0: 2 > 0 > 3 > 1
- 2,1: 1 > 2 > 3 > 0
- 2,2: 2 > 0 > 1 > 3
- 2,3: 3 > 0 > 2 > 1
- 3,0: 2 > 0 > 1 > 3
- 3,1: 2 > 3 > 0 > 1
- 3,2: 0 > 2 > 1 > 3
- 3,3: 1 > 2 > 0 > 3
- X3:
 - 0,0,0: 0 > 2 > 1 > 3
 - 0,0,1: 0 > 3 > 2 > 1
 - 0,0,2: 1 > 0 > 3 > 2
 - 0,0,3:3>1>0>2
 - 0,1,0: 0 > 3 > 1 > 2
 - 0,1,1: 3 > 0 > 2 > 1
 - 0,1,2: 1 > 2 > 3 > 0
 - 0,1,3:3 > 0 > 2 > 1
 - 0,2,0: 2 > 0 > 1 > 3
 - 0,2,1: 1 > 3 > 0 > 2
 - 0,2,2: 1 > 3 > 2 > 0
 - 0,2,3: 0 > 2 > 3 > 1

- 0,3,0:0>2>1>3
- 0,3,1: 2 > 1 > 3 > 0
- 0,3,2: 0 > 3 > 2 > 1
- 0,3,3: 2 > 1 > 0 > 3
- 1,0,0: 0 > 2 > 3 > 1
- 1,0,1: 2 > 0 > 3 > 1
- 1,0,2: 3 > 2 > 1 > 0
- 1,0,3: 3 > 1 > 0 > 2
- 1,1,0: 0 > 2 > 1 > 3
- 1,1,1: 3 > 2 > 1 > 0
- 1,1,2: 3 > 2 > 1 > 0
- 1,1,3:1 > 3 > 2 > 0
- 1,2,0: 3 > 2 > 0 > 1
- 1,2,1: 3 > 0 > 1 > 2
- 1,2,2: 2 > 3 > 1 > 0
- 1,2,3: 0 > 2 > 1 > 3
- 1,3,0: 1 > 3 > 0 > 2
- 1,3,1: 2 > 3 > 1 > 0
- 1,3,2:3>1>0>2
- 1,3,3: 0 > 3 > 1 > 22,0,0: 1 > 2 > 0 > 3
- -,-,-. - -
- 2,0,1: 2 > 3 > 1 > 0
- 2,0,2: 2 > 0 > 3 > 1
- 2,0,3: 2 > 1 > 0 > 3
- 2,1,0: 2 > 3 > 1 > 0
- 2,1,1: 1 > 3 > 2 > 0
- 2,1,2:0>1>2>3
- 2,1,3: 0 > 1 > 3 > 2
- 2,2,0: 1 > 3 > 2 > 0
- 2,2,1: 1 > 2 > 3 > 0
- 2,2,2: 1 > 0 > 2 > 3
- 2,2,3: 0 > 3 > 2 > 1
- 2,3,0: 0 > 3 > 2 > 1
- 2,3,1: 0 > 3 > 2 > 12,3,2: 2 > 1 > 0 > 3
- 2,3,2: 2 > 1 > 0 > 32,3,3: 1 > 3 > 2 > 0
- 3,0,0: 0 > 3 > 1 > 2
- 3,0,1:0 > 2 > 3 > 1
- 3,0,2: 2 > 3 > 1 > 0
- 3,0,3:3>1>2>0
- 3,1,0:0>2>1>3
- 3,1,1: 1 > 0 > 2 > 3
- 3,1,2:0>1>2>3
- 3,1,3:2>0>1>3
- 3,2,0: 2 > 3 > 0 > 1
- 3,2,1: 3 > 1 > 2 > 0
- 3,2,2: 0 > 2 > 3 > 1

- 3,2,3: 2 > 0 > 1 > 3
- 3,3,0: 3 > 0 > 2 > 1
- 3,3,1: 0 > 2 > 3 > 1
- 3,3,2: 3 > 2 > 1 > 0
- 3,3,3: 2 > 3 > 0 > 1
- X4:
 - 0,0,0: 3 > 1 > 2 > 0
 - 0,0,1: 2 > 0 > 1 > 3
 - 0,0,2: 1 > 3 > 0 > 2
 - 0,0,3: 3 > 2 > 0 > 1
 - 0,1,0:3>0>2>1
 - 0,1,1: 3 > 0 > 1 > 2
 - 0,1,2: 1 > 3 > 0 > 2
 - 0,1,3: 2 > 3 > 1 > 0
 - 0,2,0:0>1>3>2
 - 0,2,1: 3 > 1 > 2 > 0
 -
 - 0,2,2: 3 > 0 > 2 > 1
 - 0,2,3: 1 > 3 > 0 > 2
 - 0,3,0: 3 > 2 > 1 > 0
 - 0,3,1: 1 > 3 > 2 > 0
 - 0,3,1: 1 > 3 > 2 > 0
 0,3,2: 2 > 3 > 1 > 0
 - 0,3,3: 2 > 3 > 1 > 0
 - 0,3,3.2/3/1/0
 - 1,0,0: 1 > 2 > 3 > 0
 - 1,0,1: 3 > 2 > 1 > 0
 - 1,0,2: 1 > 0 > 3 > 2
 - 1,0,3: 2 > 1 > 0 > 3
 - 1,1,0: 2 > 1 > 3 > 0
 - 1,1,1: 2 > 3 > 0 > 1
 - 1,1,2: 2 > 1 > 0 > 3
 - 1,1,3: 1 > 0 > 3 > 2
 - 1,2,0: 0 > 3 > 2 > 1
 - 1,2,1: 3 > 1 > 0 > 2
 - 1,2,2: 3 > 0 > 2 > 11,2,3: 0 > 3 > 1 > 2
 - 1,3,0: 1 > 2 > 3 > 0
 - 1,3,1: 0 > 1 > 3 > 2
 - 1,3,2: 2 > 3 > 0 > 1
 - 1,3,2.2,2,3,0,1
 - 1,3,3: 2 > 1 > 0 > 3
 - 2,0,0: 2 > 1 > 3 > 0
 - 2,0,1: 0 > 2 > 1 > 3
 - 2,0,2: 2 > 0 > 3 > 1
 - 2,0,3: 1 > 2 > 3 > 0
 - 2,1,0: 0 > 3 > 1 > 2
 - 2,1,1: 1 > 2 > 0 > 3
 - 2,1,2:3>2>1>02,1,3:3>2>1>0
 - 2,2,0: 3 > 1 > 2 > 0

- 2,2,1:1>0>3>2
- 2,2,2: 1 > 3 > 2 > 0
- 2,2,3: 2 > 3 > 1 > 0
- 2,3,0: 1 > 3 > 2 > 0
- 2,3,1: 3 > 2 > 0 > 1
- 2,3,2: 1 > 2 > 0 > 3
- 2,3,3: 1 > 0 > 2 > 3
- 3,0,0: 1 > 3 > 2 > 0
- 3,0,1: 1 > 0 > 2 > 3
- 3,0,2:1>0>2>3
- 3,0,3: 2 > 3 > 1 > 0
- 3,1,0: 2 > 0 > 3 > 1
- 3,1,1: 3 > 0 > 2 > 1
- 3,1,2: 0 > 3 > 1 > 2
- 3,1,3: 2 > 1 > 0 > 3
- 3,2,0: 1 > 3 > 0 > 2
- 3,2,1: 0 > 1 > 3 > 2
- 3,2,2: 2 > 0 > 1 > 3
- 3,2,3: 3 > 2 > 0 > 1
- 3,3,0: 3 > 1 > 2 > 0 • 3,3,1: 1 > 2 > 0 > 3
- 3,3,2: 1 > 3 > 0 > 2
- 3,3,3: 3 > 2 > 0 > 1

X5:

- 0,0,0: 0 > 1 > 2 > 3
- 0,0,1:2>0>1>3
- 0,0,2: 1 > 0 > 3 > 2
- 0,0,3:3>2>1>0
- 0,1,0: 3 > 1 > 0 > 2
- 0,1,1: 3 > 0 > 2 > 1
- 0,1,2: 1 > 0 > 3 > 2
- 0,1,3:0>3>2>1
- 0,2,0:1>0>2>3
- 0,2,1:1>0>2>3
- 0,2,2: 2 > 0 > 3 > 1
- 0,2,3: 3 > 0 > 1 > 2
- 0,3,0: 0 > 2 > 3 > 1
- 0,3,1: 3 > 2 > 1 > 0
- 0,3,2: 2 > 0 > 3 > 1
- 0,3,3: 0 > 2 > 1 > 3
- 1,0,0: 2 > 0 > 3 > 1
- 1,0,1: 3 > 0 > 1 > 2
- 1,0,2: 3 > 0 > 2 > 1
- 1,0,3: 2 > 3 > 0 > 1
- 1,1,0: 3 > 1 > 0 > 2
- 1,1,1: 0 > 2 > 1 > 3
- 1,1,2: 2 > 1 > 0 > 3

- 1,1,3: 1 > 0 > 3 > 2
- 1,2,0: 3 > 0 > 1 > 2
- 1,2,1: 1 > 3 > 2 > 0
- 1,2,2: 3 > 1 > 2 > 0
- 1,2,3: 1 > 0 > 2 > 3
- 1,3,0: 0 > 3 > 1 > 2
- 1,3,1: 3 > 1 > 2 > 0
- 1,3,2: 3 > 1 > 0 > 2
- 1,3,3: 2 > 3 > 1 > 0
- 2,0,0: 3 > 2 > 1 > 0
- 2,0,1: 0 > 1 > 3 > 2
- 2,0,2: 3 > 1 > 0 > 2
- 2,0,3: 2 > 0 > 3 > 1
- 2,0,0.2.0.0.1
- 2,1,0: 2 > 3 > 0 > 1
- 2,1,1: 2 > 0 > 1 > 3
- 2,1,2: 1 > 0 > 2 > 3
- 2,1,3:3 > 1 > 2 > 0
- 2,2,0: 3 > 0 > 2 > 1
- 2,2,1: 3 > 1 > 2 > 0
- 2,2,2: 3 > 2 > 1 > 0
- 2,2,3: 3 > 1 > 2 > 0
- 2,3,0: 0 > 3 > 1 > 2
- 2,3,1: 3 > 1 > 2 > 0
- 2,3,2: 2 > 3 > 0 > 1
- 2,3,3: 1 > 2 > 0 > 3
- 3,0,0: 1 > 3 > 0 > 2
- 3,0,1: 1 > 3 > 2 > 0
- 3,0,2: 0 > 1 > 2 > 3
- 3,0,3: 2 > 1 > 3 > 0
- 3,1,0: 1 > 2 > 3 > 0
- 3,1,1: 0 > 1 > 2 > 3
- 3,1,2: 3 > 1 > 0 > 2
- 3,1,3: 2 > 0 > 3 > 1
- 3,2,0: 1 > 0 > 2 > 3
- 3,2,1: 1 > 2 > 0 > 33,2,2: 1 > 0 > 2 > 3
- 3,2,3:1>2>0>3
- 3,3,0: 0 > 1 > 3 > 2
- 3,3,0:0>1>3>23,3,1:1>3>0>2
- 3,3,2:0>1>3>2
- 3,3,3: 1 > 0 > 2 > 3
- Solution:
 - X0 = 3, X1 = 1, X2 = 2, X3 = 0, X4 = 2, X5 = 3

- Input Parameters:
 - Number of variables (n): 8
 - Constraint tightness (p): 0.33
 - Constant α: 0.8
 - Constant r: 0.7
 - Max number of parents: 2
 - Pareto (k): 3
- Generated RB Instance
 - Domain size: 5
 - Number of constraints: 12
 - Number of incompatible tuples: 8
 - Variables: {X0, X1, X2, X3, X4, X5, X6, X7}
 - Domain: {0, 1, 2, 3, 4}
 - Constraints (incompatible tuples):
 - (X0, X6): [(0,0), (0,1), (0,2), (1,1), (3,1), (3,4), (4,0), (4,2)]
 - (X0, X7): [(0,1), (0,4), (1,0), (1,2), (2,0), (3,0), (4,0), (4,4)]
 - (X1, X5): [(0,0), (0,2), (1,0), (2,3), (3,0), (3,4), (4,2), (4,4)]
 - (X1, X6): [(0,0), (0,4), (1,1), (1,2), (2,0), (2,3), (3,1), (4,1)]
 - (X2, X5): [(0,3), (0,4), (1,3), (2,3), (3,3), (4,0), (4,1), (4,4)]
 - (X2, X6): [(0,1), (1,3), (2,2), (3,1), (3,3), (3,4), (4,0), (4,3)]
 - (X2, X7): [(0,1), (1,0), (1,1), (1,2), (1,3), (3,0), (3,2), (4,2)]
 - (X3, X5): [(0,2), (1,0), (2,2), (2,4), (3,0), (3,3), (4,1), (4,4)]
 - (X3, X7): [(0,1), (1,1), (2,3), (2,4), (3,0), (3,2), (4,0), (4,1)]
 - (X4, X5): [(0,1), (0,3), (1,0), (1,1), (1,2), (1,4), (2,1), (4,4)]
 - (X5, X6): [(0,0), (0,1), (0,2), (0,4), (1,4), (2,2), (2,4), (3,0)]
 (X6, X7): [(2,0), (2,2), (2,3), (2,4), (3,0), (3,3), (4,1), (4,2)]
 - Dependencies: List of parents for each variable:
 - X0: Nil
 - X1: {X0}
 - X2: {X0, X1}
 - X3: {X0, X2}
 - X4: {X2, X3}
 - X5: {X1, X2}
 - X6: {X2, X3}
 - X7: {X2, X5}
 - CPT for each variable:
 - X0:
- 2 > 4 > 0 > 1 > 3
- X1:
 - 0: 3 > 2 > 4 > 1 > 0
 - 1: 3 > 1 > 4 > 2 > 0
 - 2: 2 > 4 > 3 > 0 > 1
 - 3: 1 > 2 > 3 > 4 > 0
 - 4: 3 > 4 > 1 > 2 > 0
- X2:
- 0,0: 4 > 1 > 2 > 3 > 0

- 0,1: 1 > 3 > 0 > 4 > 2
- 0,2: 4 > 1 > 0 > 2 > 3
- 0,3: 0 > 1 > 2 > 3 > 4
- 0,4: 3 > 1 > 4 > 2 > 0
- 1,0: 1 > 0 > 3 > 4 > 2
- 1,1: 1 > 0 > 2 > 4 > 3
- 1,2: 4 > 0 > 3 > 2 > 1
- 1,3: 3 > 1 > 2 > 4 > 0
- 1,4: 4 > 2 > 3 > 1 > 0
- 2,0: 2 > 1 > 3 > 0 > 4
- 2,1: 3 > 0 > 1 > 4 > 2
- 2,2:2>0>3>1>4
- 2,3: 2 > 4 > 1 > 3 > 0
- 2,4:0>2>1>3>4
- 3,0: 1 > 0 > 4 > 2 > 3
- 3,1: 0 > 1 > 4 > 2 > 3
- 3,2: 2 > 4 > 0 > 3 > 1
- 3,3:4>1>2>0>3
- 3,4: 4 > 0 > 3 > 1 > 2
- 4,0:0>2>4>1>3
- 4,1: 4 > 2 > 1 > 3 > 0
- 4,2:0>3>1>4>2
- 4,3:2>3>0>1>4
- 1,3.2 3 6 1 1
- 4,4: 4 > 0 > 3 > 1 > 2

• X3:

- 0,0:3>2>0>4>1
- 0,1: 3 > 0 > 2 > 1 > 4
- 0,2: 1 > 2 > 0 > 3 > 4
- 0,3: 0 > 2 > 3 > 1 > 4
- 0,4: 3 > 1 > 2 > 4 > 0
- 1,0: 2 > 1 > 0 > 3 > 4
- 1,1: 2 > 3 > 0 > 1 > 4
- 1,2: 1 > 0 > 3 > 4 > 2
- 1,3: 4 > 1 > 3 > 0 > 2
- 1,4: 3 > 0 > 2 > 4 > 1
- 2,0: 0 > 1 > 2 > 4 > 3
- 2,1: 1 > 0 > 3 > 2 > 4
- 2,2: 2 > 1 > 4 > 3 > 0
- 2,3: 2 > 3 > 1 > 0 > 4
- 2,4: 3 > 1 > 4 > 0 > 2
- 3,0: 3 > 1 > 0 > 4 > 2
- 3,1: 0 > 4 > 3 > 1 > 2
- 3,2: 0 > 2 > 3 > 1 > 4
- 3,3: 0 > 4 > 2 > 1 > 3
- 3,4: 3 > 2 > 4 > 1 > 0
- 4,0: 2 > 4 > 3 > 0 > 1
- 4,1: 1 > 2 > 0 > 3 > 4

- 4,2: 2 > 4 > 0 > 1 > 3
- 4,3: 3 > 1 > 0 > 4 > 2
- 4,4: 0 > 4 > 3 > 2 > 1

• X4:

- 0,0: 4 > 0 > 2 > 3 > 1
- 0,1: 1 > 0 > 2 > 4 > 3
- 0,2: 3 > 2 > 4 > 1 > 0
- 0,3: 0 > 2 > 3 > 1 > 4
- 0,4: 4 > 3 > 0 > 2 > 1
- 1,0: 0 > 3 > 4 > 1 > 2
- 1,1: 0 > 3 > 4 > 2 > 1
- 1,2: 4 > 1 > 3 > 2 > 0
- 1,3: 3 > 1 > 2 > 4 > 0
- 1,4: 3 > 0 > 1 > 4 > 2
- 2,0: 1 > 4 > 2 > 3 > 0
- 2,1: 2 > 3 > 1 > 0 > 4
- 2,2: 3 > 2 > 4 > 1 > 0
- 2,3: 3 > 2 > 4 > 1 > 0
- 2,4: 2 > 0 > 1 > 4 > 3
- 3,0: 3 > 4 > 1 > 2 > 0
- 3,1: 4 > 3 > 2 > 1 > 0
- 3,2:3>0>4>1>2
- 5,2.3/0/4/1/2
- 3,3: 3 > 1 > 2 > 4 > 0
- 3,4: 2 > 4 > 1 > 3 > 04,0: 2 > 4 > 0 > 3 > 1
- 4,1: 3 > 2 > 4 > 0 > 1
- 4,2: 3 > 2 > 4 > 0 > 1
- 4,3: 0 > 1 > 4 > 3 > 2
- 4,4: 0 > 4 > 2 > 1 > 3

• X5:

- 0,0:0>4>1>2>3
- 0,1: 4 > 1 > 3 > 2 > 0
- 0,2: 3 > 4 > 1 > 2 > 0
- 0,3: 4 > 2 > 1 > 0 > 3
- 0,4: 2 > 0 > 4 > 3 > 1
- 1,0: 2 > 4 > 0 > 3 > 1
- 1,1: 4 > 2 > 3 > 1 > 0
- 1,2: 3 > 0 > 1 > 2 > 4
- 1,3: 3 > 1 > 0 > 4 > 2
- 1,4: 2 > 4 > 3 > 0 > 1
- 2,0: 1 > 4 > 2 > 0 > 3
- 2,1: 0 > 4 > 2 > 3 > 1
- 2,2: 1 > 0 > 3 > 2 > 42,3: 2 > 0 > 1 > 4 > 3
- 2,4: 1 > 0 > 2 > 3 > 4
- 3,0: 1 > 3 > 0 > 2 > 4
- 3,1: 1 > 4 > 0 > 3 > 2

- 3,2: 1 > 2 > 3 > 0 > 4
- 3,3: 2 > 0 > 1 > 3 > 4
- 3,4: 2 > 3 > 1 > 4 > 0
- 4,0: 3 > 0 > 4 > 1 > 2
- 4,1: 1 > 2 > 4 > 3 > 0
- 4,2: 3 > 1 > 0 > 2 > 44,3: 0 > 4 > 3 > 2 > 1
- 4,4: 2 > 0 > 3 > 4 > 1
- X6:
 - 0,0: 3 > 1 > 4 > 0 > 2
 - 0,1: 4 > 0 > 3 > 2 > 1
 - 0,2: 2 > 3 > 0 > 4 > 1
 - 0,3: 3 > 4 > 0 > 1 > 2
 - 0,4:4>1>0>2>3
 - 1,0:4>1>2>3>0
 - 1,1: 4 > 2 > 3 > 1 > 0
 - 1,2: 1 > 4 > 2 > 0 > 3
 - 1,2.1/4/2/0/5
 - 1,3: 3 > 2 > 1 > 4 > 0
 - 1,4: 4 > 0 > 2 > 1 > 3
 - 2,0: 1 > 2 > 0 > 4 > 3
 - 2,1: 2 > 4 > 0 > 3 > 1
 - 2,2:0>2>1>3>4
 - 2,3:0>3>2>1>4
 - 2,4: 2 > 3 > 0 > 1 > 4
 - 3,0: 2 > 1 > 4 > 3 > 0
 - 3,1: 4 > 3 > 0 > 2 > 1
 - 3,2: 0 > 2 > 3 > 1 > 4
 - 3,3: 1 > 2 > 0 > 3 > 4
 - 3,4: 2 > 3 > 4 > 1 > 0
 - 4,0: 2 > 4 > 0 > 1 > 3
 - 4,1: 0 > 4 > 1 > 3 > 2
 - 4,2: 1 > 0 > 3 > 4 > 2
 - 4,3: 2 > 4 > 0 > 1 > 3
 - 4,4: 4 > 0 > 1 > 2 > 3
- X7:
 - 0,0: 2 > 0 > 1 > 4 > 3
 - 0,1: 4 > 0 > 2 > 3 > 1
 - 0.2: 1 > 3 > 4 > 0 > 2
 - 0,3: 3 > 0 > 4 > 2 > 1
 - 0,4: 2 > 1 > 0 > 4 > 3
 - 1,0:3>0>1>4>2
 - 1,1: 2 > 1 > 0 > 3 > 4
 - 1,2: 1 > 2 > 4 > 3 > 0
 - 1,3: 2 > 0 > 3 > 4 > 1
 - 1,4:0>4>3>1>2
 - 2,0: 2 > 3 > 1 > 4 > 0
 - 2,1:4>2>0>1>3

- 2,2: 1 > 3 > 4 > 0 > 2
- 2,3: 3 > 1 > 2 > 4 > 0
- 2,4: 0 > 3 > 2 > 4 > 1
- 3,0: 2 > 3 > 0 > 4 > 1
- 3,1: 0 > 4 > 3 > 2 > 1
- 3,2: 0 > 3 > 2 > 4 > 1
- 3,3: 2 > 4 > 3 > 0 > 1
- 3,4: 1 > 4 > 0 > 3 > 2
- 4,0: 1 > 3 > 0 > 4 > 2
- 4,1: 0 > 1 > 2 > 4 > 3
- 4,2: 2 > 3 > 4 > 1 > 0
- 4,3: 3 > 0 > 1 > 2 > 4
- 4,4: 1 > 0 > 2 > 3 > 4

• Solution:

• X0 = 2, X1 = 2, X2 = 2, X3 = 2, X4 = 3, X5 = 1, X6 = 1, X7 = 2