

OCTAGON: One Solution and Total Number of Solutions

A1	1,2,3,4,5,6,7,8	2
A2	2,7,1,3,5,4,6,8	6
A3	7,5,3,1,6,4,2,8	4
A4	1,3,8,5,6,7,2,4	3
A5	6,2,4,8,1,3,7,5	6
A6	1,2,5,4,3,6,8,7	10
A7	7,8,6,4,1,5,2,3	2
A8	2,1,7,5,4,3,6,8	8
A9	4,2,7,6,5,1,3,8	4
A10	4,8,5,2,6,1,7,3	2
A11	1,6,5,7,3,8,2,4	6
A12	3,2,6,1,5,4,8,7	4
A13	6,3,7,5,2,1,4,8	2
A14	2,1,3,5,8,7,4,6	22
A15	1,5,3,8,2,4,7,6	4
A16	4,6,2,7,1,8,3,5	6
A17	1,5,2,4,6,7,8,3	6
A18	8,2,6,7,3,1,5,4	6
A19	1,4,3,2,7,5,8,6	Unique
A20	4,2,6,8,1,5,7,3	2
A21	1,2,3,7,5,4,6,8	64
A22	1,6,7,3,5,2,4,8	20
A23	4,8,1,2,3,7,5,6	3
A24	2,1,4,3,5,6,7,8	26
A25	1,2,3,8,4,6,7,5	2
A26	4,3,5,2,1,7,6,8	10
A27	1,6,3,7,5,2,4,8	4
A28	3,1,2,6,5,4,7,8	22
A29	5,1,3,6,4,7,8,2	11
A30	2,5,7,1,4,6,3,8	18
A31	1,2,8,3,4,6,7,5	12
A32	1,2,4,5,6,7,3,8	20
A33	4,3,2,5,1,7,8,6	6
A34	1,2,3,4,6,5,8,7	6
A35	3,7,5,1,2,6,4,8	12
A36	4,1,2,7,6,3,5,8	6
A37	5,6,8,1,4,3,7,2	4
A38	4,2,3,5,7,1,6,8	3
A39	1,7,3,6,5,2,4,8	12
A40	3,1,4,5,2,6,7,8	12

OCTAGON: One Solution and Total Number of Solutions

B1	1,2,4,3,5,6,8,7	12
B2	3,1,2,7,5,8,4,6	8
B3	7,2,3,4,5,6,1,8	6
B4	7,8,3,6,5,1,2,4	2
B5	3,1,2,7,5,4,6,8	4
B6	5,3,2,4,6,1,7,8	12
B7	4,2,1,6,7,8,3,5	12
B8	1,3,5,7,2,8,6,4	4
B9	3,1,8,7,6,4,2,5	14
B10	4,2,3,7,5,6,1,8	16
B11	3,2,4,7,1,5,6,8	24
B12	1,6,3,8,5,2,7,4	4
B13	2,4,7,6,1,3,5,8	4
B14	6,4,2,7,8,1,5,3	2
B15	6,8,3,2,4,1,7,5	2
B16	7,6,4,2,3,8,5,1	2
B17	2,7,6,3,8,4,1,5	4
B18	2,5,1,6,7,4,3,8	2
B19	4,3,1,5,2,7,6,8	6
B20	7,2,5,1,6,8,4,3	Unique
B21	3,1,2,5,7,6,4,8	28
B22	6,5,7,3,8,2,1,4	9
B23	2,1,6,4,3,8,7,5	4
B24	8,5,2,7,4,3,1,6	8
B25	1,3,7,6,5,4,2,8	4
B26	3,8,4,1,5,6,7,2	12
B27	1,4,6,2,5,3,7,8	2
B28	3,2,1,5,7,4,8,6	12
B29	1,5,2,4,3,8,7,6	8
B30	4,1,3,2,5,6,7,8	14
B31	1,6,4,2,7,3,8,5	7
B32	1,2,7,3,4,6,8,5	4
B33	3,5,2,1,6,7,4,8	4
B34	2,4,8,7,3,6,1,5	6
B35	7,3,6,5,4,1,2,8	12
B36	1,2,3,7,5,8,4,6	8
B37	7,6,3,1,4,5,8,2	4
B38	2,1,7,3,5,4,6,8	2
B39	6,3,2,5,8,7,1,4	2
B40	1,7,5,8,6,4,2,3	Unique

OCTAGON: One Solution and Total Number of Solutions

C1	8,7,6,4,2,3,5,1	Unique
C2	1,8,6,7,2,3,4,5	8
C3	2,1,6,5,8,7,3,4	2
C4	1,5,2,3,6,7,8,4	6
C5	6,3,8,2,4,7,1,5	4
C6	6,1,3,8,4,5,7,2	2
C7	4,1,2,3,6,7,8,5	Unique
C8	1,2,7,3,5,4,6,8	Unique
C9	1,6,2,5,4,7,3,8	4
C10	3,1,2,4,5,6,7,8	12
C11	2,8,4,6,7,5,1,3	8
C12	6,1,5,2,8,7,4,3	6
C13	1,8,3,6,2,7,5,4	6
C14	7,6,5,2,3,4,1,8	6
C15	3,1,8,5,7,4,6,2	8
C16	3,7,6,1,4,2,5,8	4
C17	2,4,6,3,7,5,8,1	2
C18	7,6,4,1,5,3,8,2	2
C19	4,1,7,6,3,8,5,2	4
C20	3,7,2,6,4,1,8,5	2
C21	7,2,6,4,1,3,5,8	12
C22	8,1,4,5,7,6,2,3	Unique
C23	6,8,5,4,7,2,1,3	Unique
C24	2,8,7,1,4,3,6,5	2
C25	3,5,2,1,4,8,7,6	Unique
C26	3,4,8,5,6,2,7,1	4
C27	3,5,6,2,4,1,7,8	2
C28	3,2,1,6,4,7,8,5	4
C29	7,3,5,2,1,4,6,8	16
C30	5,7,4,3,8,2,1,6	Unique
C31	7,2,5,1,3,6,8,4	5
C32	4,3,2,1,6,8,7,5	8
C33	4,1,2,8,7,6,3,5	8
C34	8,4,5,1,6,7,2,3	Unique
C35	3,6,2,5,4,1,7,8	8
C36	8,3,4,1,2,7,6,5	Unique
C37	6,8,3,2,7,4,1,5	Unique
C38	1,6,2,7,3,4,5,8	4
C39	5,2,1,4,8,7,6,3	3
C40	2,1,3,4,8,5,7,6	4

OCTAGON: One Solution and Total Number of Solutions

D1	3,2,6,4,8,7,5,1	16
D2	3,4,1,8,2,5,7,6	2
D3	3,2,1,5,7,6,8,4	12
D4	1,5,2,4,6,7,3,8	24
D5	4,2,5,7,3,6,1,8	8
D6	3,7,1,5,2,4,6,8	4
D7	1,4,3,2,8,6,5,7	8
D8	7,4,6,2,3,8,5,1	4
D9	6,2,1,7,3,4,8,5	2
D10	6,1,5,2,8,4,7,3	2
D11	1,5,4,2,3,6,8,7	7
D12	6,5,4,7,3,8,1,2	2
D13	1,6,8,4,5,3,2,7	2
D14	2,3,7,4,5,8,1,6	60
D15	4,3,5,6,7,2,1,8	12
D16	3,7,8,4,6,1,5,2	28
D17	2,4,8,7,3,6,5,1	10
D18	2,4,3,8,7,6,1,5	4
D19	1,4,2,3,7,6,8,5	Unique
D20	2,1,5,7,3,4,8,6	24
D21	3,2,5,7,6,1,8,4	4
D22	1,2,3,6,7,4,5,8	24
D23	6,8,4,3,7,1,2,5	6
D24	6,1,4,3,8,7,2,5	16
D25	1,6,3,5,7,2,4,8	8
D26	6,2,4,1,5,3,8,7	Unique
D27	4,2,5,8,6,1,7,3	3
D28	2,1,5,7,4,3,8,6	34
D29	6,4,5,1,3,7,2,8	4
D30	4,1,6,2,3,5,8,7	3
D31	4,1,7,3,5,6,2,8	4
D32	4,3,1,2,7,5,6,8	6
D33	1,2,5,6,3,4,7,8	6
D34	1,3,5,7,2,6,4,8	2
D35	4,5,6,8,7,2,1,3	Unique
D36	2,1,6,4,7,8,3,5	4
D37	1,2,7,5,6,4,3,8	20
D38	2,1,3,7,4,8,6,5	6
D39	5,3,7,1,8,6,2,4	10
D40	3,1,2,5,8,4,7,6	2

OCTAGON: One Solution and Total Number of Solutions

E1	2,1,5,7,3,8,4,6	2
E2	2,1,4,6,5,3,8,7	4
E3	1,3,6,8,2,5,4,7	16
E4	8,3,2,7,6,1,4,5	8
E5	6,4,1,8,7,3,2,5	4
E6	1,2,4,3,6,5,7,8	12
E7	3,1,5,6,7,2,4,8	3
E8	1,4,7,6,2,3,5,8	16
E9	4,3,6,1,5,7,8,2	6
E10	2,7,8,4,3,6,1,5	4
E11	6,3,2,8,1,5,7,4	10
E12	3,4,1,6,5,2,7,8	6
E13	4,3,2,1,7,5,8,6	2
E14	5,1,6,3,8,7,2,4	4
E15	2,7,3,1,6,8,4,5	3
E16	7,2,6,5,1,4,3,8	4
E17	7,6,3,4,5,8,1,2	2
E18	2,1,4,3,7,5,8,6	8
E19	2,4,3,8,7,6,1,5	4
E20	4,1,3,2,5,6,7,8	14
E21	6,1,2,5,3,4,7,8	Unique
E22	2,1,3,7,5,6,4,8	8
E23	6,2,1,7,3,4,8,5	3
E24	2,4,3,6,7,5,1,8	12
E25	8,4,6,3,1,5,7,2	Unique
E26	4,6,1,2,7,5,8,3	2
E27	8,5,2,6,7,1,3,4	2
E28	3,2,4,5,1,6,8,7	30
E29	1,8,5,2,3,6,7,4	Unique
E30	3,4,1,2,5,7,8,6	2
E31	3,7,6,1,5,2,8,4	4
E32	3,2,1,4,5,6,8,7	10
E33	3,6,4,1,8,7,2,5	5
E34	1,3,2,4,5,6,7,8	14
E35	3,4,7,2,1,8,6,5	5
E36	2,7,1,4,6,3,5,8	2
E37	2,3,6,5,7,1,8,4	8
E38	7,4,3,1,6,2,8,5	4
E39	6,2,8,3,5,4,1,7	Unique
E40	6,2,3,5,7,4,1,8	6

OCTAGON: One Solution and Total Number of Solutions

F1	8,5,2,4,3,1,6,7	3
F2	2,5,3,1,6,8,7,4	36
F3	4,6,2,8,7,3,1,5	4
F4	2,8,7,6,1,5,3,4	Unique
F5	3,2,1,5,7,4,8,6	16
F6	2,4,5,8,1,3,6,7	2
F7	3,6,8,4,2,5,7,1	Unique
F8	2,7,1,4,5,6,8,3	8
F9	4,8,6,5,7,3,2,1	5
F10	1,7,4,5,2,6,3,8	3
F11	1,2,3,4,8,7,6,5	8
F12	8,3,5,1,7,2,4,6	2
F13	8,7,3,2,4,6,5,1	5
F14	4,6,7,8,1,2,3,5	Unique
F15	2,8,4,6,3,1,7,5	2
F16	2,1,7,8,5,6,3,4	4
F17	8,4,6,2,1,3,7,5	2
F18	3,1,6,2,5,7,8,4	4
F19	1,5,3,6,7,2,4,8	10
F20	3,2,1,4,7,5,6,8	36
F21	4,3,2,6,1,8,7,5	4
F22	1,4,2,6,8,7,3,5	20
F23	7,2,6,5,4,1,8,3	12
F24	1,2,3,8,4,6,7,5	8
F25	2,6,3,4,8,5,1,7	12
F26	3,6,8,4,5,7,1,2	10
F27	3,1,7,8,5,4,6,2	4
F28	4,1,2,7,6,3,8,5	4
F29	3,2,6,1,7,4,5,8	18
F30	6,2,8,7,5,3,1,4	2
F31	5,2,1,4,3,8,6,7	2
F32	6,1,3,8,7,5,4,2	Unique
F33	6,4,5,7,2,1,3,8	4
F34	1,7,3,8,4,6,2,5	6
F35	1,6,3,7,2,8,4,5	2
F36	6,8,1,5,3,7,4,2	Unique
F37	6,1,5,3,8,4,7,2	2
F38	1,4,6,3,5,7,2,8	2
F39	4,3,7,6,5,2,8,1	18
F40	5,1,3,6,7,8,4,2	4

OCTAGION: One Solution and Total Number of Solutions

G1	7,2,3,8,1,4,6,5	4
G2	1,5,2,7,8,6,3,4	2
G3	1,3,8,6,7,4,5,2	4
G4	3,6,1,7,5,4,2,8	6
G5	7,1,2,5,8,4,6,3	4
G6	8,6,5,7,3,1,4,2	4
G7	5,8,3,2,7,1,4,6	4
G8	5,1,6,7,2,4,3,8	4
G9	3,1,8,4,2,5,6,7	12
G10	1,2,7,3,5,4,6,8	8
G11	2,3,6,4,1,5,7,8	10
G12	3,6,5,1,8,7,2,4	12
G13	6,2,3,1,5,8,7,4	8
G14	4,1,7,2,6,3,5,8	18
G15	2,1,3,7,4,6,5,8	24
G16	6,1,2,7,4,8,3,5	2
G17	3,2,1,6,7,5,8,4	7
G18	6,2,5,7,3,8,1,4	4
G19	4,1,6,7,2,8,3,5	Unique
G20	1,2,4,6,7,3,5,8	10
G21	4,6,8,7,5,1,2,3	8
G22	3,5,4,6,1,8,7,2	6
G23	5,2,3,4,6,7,1,8	4
G24	1,6,3,4,7,5,8,2	26
G25	2,1,8,6,4,7,3,5	4
G26	3,4,1,2,5,7,8,6	14
G27	4,2,1,8,3,7,6,5	4
G28	7,1,8,6,3,4,2,5	2
G29	2,3,5,7,4,1,6,8	12
G30	1,6,2,3,8,7,4,5	Unique
G31	4,3,8,7,1,5,2,6	12
G32	5,3,8,7,1,4,2,6	4
G33	1,6,5,4,7,2,3,8	Unique
G34	3,2,1,4,6,5,7,8	16
G35	1,5,3,7,6,4,2,8	3
G36	7,2,3,6,8,4,1,5	2
G37	7,3,4,5,2,1,6,8	8
G38	8,6,4,3,5,1,7,2	2
G39	7,6,5,1,4,2,8,3	18
G40	1,2,4,5,3,8,7,6	12

OCTAGON: One Solution and Total Number of Solutions

H1	1,3,5,8,6,2,7,4	12
H2	2,3,1,7,4,5,8,6	19
H3	8,5,2,3,6,7,1,4	12
H4	2,6,8,4,1,7,3,5	Unique
H5	4,2,5,1,3,7,6,8	2
H6	5,2,4,1,7,3,8,6	4
H7	3,1,4,7,2,6,5,8	16
H8	6,5,4,7,3,2,1,8	6
H9	6,2,1,3,7,8,4,5	3
H10	5,4,1,7,8,3,6,2	4
H11	3,2,4,1,5,6,7,8	52
H12	1,3,7,5,6,8,2,4	Unique
H13	6,3,2,1,7,8,5,4	2
H14	3,1,4,5,7,2,6,8	4
H15	2,1,3,5,4,7,6,8	8
H16	7,4,6,5,2,8,1,3	2
H17	2,8,3,4,6,7,1,5	Unique
H18	1,3,6,4,2,5,8,7	29
H19	8,4,5,2,1,7,3,6	5
H20	4,2,6,1,7,8,3,5	4
H21	3,2,5,1,8,6,4,7	4
H22	8,3,1,7,5,4,2,6	8
H23	4,1,3,2,6,5,7,8	4
H24	6,5,3,4,7,1,8,2	4
H25	8,7,6,1,2,5,3,4	Unique
H26	2,7,4,6,3,5,8,1	3
H27	1,2,3,7,5,8,4,6	14
H28	1,3,4,6,8,7,2,5	8
H29	2,1,4,6,3,7,5,8	4
H30	2,5,8,7,3,6,1,4	2
H31	6,2,1,7,5,4,3,8	4
H32	5,1,3,6,7,2,8,4	2
H33	4,1,5,2,8,3,6,7	2
H34	1,6,3,7,2,4,5,8	22
H35	1,4,5,6,3,7,2,8	8
H36	3,2,4,5,7,6,8,1	12
H37	3,8,4,1,7,2,5,6	2
H38	1,6,7,5,8,3,4,2	Unique
H39	1,6,5,2,8,7,3,4	12
H40	3,2,5,1,6,7,4,8	10

OCTAGON: One Solution and Total Number of Solutions

I1	4,5,1,6,3,7,2,8	4
I2	6,2,1,4,7,5,3,8	12
I3	7,2,1,5,6,4,8,3	6
I4	1,2,3,5,6,4,7,8	46
I5	8,3,4,6,5,7,1,2	2
I6	6,7,5,8,1,2,3,4	4
I7	1,2,3,6,5,8,7,4	28
I8	3,5,4,8,7,6,2,1	8
I9	1,7,5,3,4,2,8,6	12
I10	2,5,4,3,1,7,6,8	8
I11	5,2,3,1,7,4,8,6	10
I12	6,3,4,7,8,5,2,1	6
I13	2,7,5,1,4,6,3,8	8
I14	7,3,2,4,8,6,1,5	6
I15	2,5,1,4,3,7,6,8	18
I16	1,2,5,6,7,8,4,3	10
I17	1,5,3,7,4,6,2,8	Unique
I18	6,4,1,7,3,8,5,2	2
I19	2,4,3,5,1,8,7,6	16
I20	4,2,1,6,5,3,8,7	4
I21	1,6,5,3,4,2,7,8	8
I22	1,8,4,3,5,6,7,2	4
I23	2,3,6,1,8,4,7,5	24
I24	6,1,3,2,5,8,7,4	4
I25	5,6,3,2,1,4,7,8	8
I26	4,6,5,1,3,7,2,8	4
I27	1,2,3,8,4,5,7,6	40
I28	1,4,2,3,8,5,7,6	2
I29	1,2,5,7,3,4,6,8	40
I30	8,5,3,6,4,1,7,2	3
I31	4,3,1,6,8,7,2,5	4
I32	1,7,3,6,4,5,2,8	2
I33	6,2,4,7,8,3,1,5	4
I34	3,8,7,1,6,5,4,2	8
I35	7,1,8,4,6,5,2,3	4
I36	4,7,3,1,6,5,2,8	6
I37	2,4,7,5,1,6,3,8	6
I38	4,2,1,6,5,7,8,3	6
I39	4,1,2,5,8,3,6,7	10
I40	6,8,1,5,4,3,7,2	Unique

OCTAGON: One Solution and Total Number of Solutions

J1	4,7,5,6,3,8,1,2	Unique
J2	8,3,2,7,6,5,1,4	2
J3	7,3,6,4,1,5,8,2	2
J4	1,6,7,2,4,3,8,5	4
J5	1,3,5,6,7,2,4,8	28
J6	1,2,7,4,3,6,5,8	8
J7	2,6,5,8,4,1,3,7	12
J8	4,3,5,2,6,1,8,7	12
J9	2,8,6,3,7,1,4,5	3
J10	6,2,5,7,3,1,8,4	2
J11	7,2,3,6,8,1,5,4	Unique
J12	2,4,6,5,7,3,1,8	6
J13	6,4,2,8,7,5,3,1	Unique
J14	6,2,7,5,4,1,3,8	6
J15	7,3,2,6,8,5,4,1	10
J16	2,1,8,6,7,5,3,4	2
J17	6,3,2,4,5,7,1,8	4
J18	3,7,2,6,8,4,1,5	7
J19	7,4,2,6,5,1,3,8	16
J20	8,2,6,1,7,5,4,3	12
J21	3,2,1,6,5,4,8,7	10
J22	2,1,6,7,5,4,3,8	20
J23	1,2,5,3,4,6,8,7	4
J24	6,1,2,7,3,4,5,8	Unique
J25	3,2,1,6,4,8,7,5	8
J26	4,3,2,1,6,5,7,8	12
J27	2,4,1,5,6,7,3,8	8
J28	7,3,1,4,2,6,5,8	2
J29	3,7,2,4,1,6,5,8	3
J30	6,5,2,3,8,7,4,1	2
J31	8,2,7,3,4,6,5,1	Unique
J32	8,3,2,4,1,5,7,6	8
J33	1,3,2,7,4,5,8,6	19
J34	5,2,3,1,7,6,4,8	12
J35	3,4,1,6,5,8,7,2	6
J36	1,2,7,8,4,3,5,6	36
J37	8,3,2,7,4,6,1,5	8
J38	6,1,4,2,8,5,7,3	2
J39	7,4,2,6,3,8,1,5	4
J40	1,5,4,3,2,6,8,7	16

OCTAGON: One Solution and Total Number of Solutions

K1	7,2,1,6,8,4,3,5	2
K2	4,3,1,5,6,7,8,2	2
K3	1,2,3,6,5,4,7,8	13
K4	3,4,2,6,7,1,8,5	8
K5	3,7,4,5,8,6,1,2	9
K6	2,3,7,5,1,4,8,6	4
K7	1,2,3,4,7,8,5,6	30
K8	2,1,4,5,7,6,3,8	12
K9	6,3,7,5,8,2,1,4	6
K10	4,2,3,5,1,8,6,7	5
K11	4,6,3,7,2,1,5,8	2
K12	2,4,6,5,1,8,7,3	22
K13	1,2,4,5,8,6,7,3	18
K14	7,1,6,5,8,2,4,3	Unique
K15	4,1,3,7,2,8,6,5	2
K16	3,6,7,2,4,5,8,1	10
K17	2,1,6,5,3,7,4,8	14
K18	2,5,3,6,8,7,4,1	4
K19	2,6,1,7,3,8,4,5	6
K20	1,3,4,6,7,5,8,2	2
K21	4,7,2,8,6,3,1,5	6
K22	2,1,4,7,3,6,5,8	16
K23	7,4,1,6,3,8,2,5	Unique
K24	3,1,7,8,4,6,2,5	2
K25	6,3,5,4,7,2,1,8	8
K26	1,3,6,7,2,8,4,5	6
K27	3,8,1,2,4,6,5,7	10
K28	7,6,4,1,5,8,2,3	4
K29	3,4,8,7,1,6,5,2	8
K30	3,5,2,1,4,8,7,6	10
K31	2,1,3,4,5,7,8,6	12
K32	2,1,6,3,7,8,4,5	38
K33	1,5,8,3,4,6,7,2	2
K34	1,5,3,4,2,8,7,6	34
K35	6,3,4,5,7,2,1,8	8
K36	2,1,5,6,7,8,3,4	8
K37	2,4,5,8,7,1,6,3	12
K38	3,2,6,5,7,1,4,8	8
K39	1,6,2,5,7,8,4,3	2
K40	7,1,3,8,6,5,4,2	2

OCTAGON: One Solution and Total Number of Solutions

L1	1,2,3,5,7,6,4,8	2
L2	4,5,2,6,1,3,7,8	2
L3	4,3,2,1,7,8,6,5	12
L4	2,1,3,7,6,4,5,8	56
L5	3,4,2,1,8,6,7,5	8
L6	1,2,7,5,8,4,3,6	6
L7	3,7,5,4,6,2,1,8	6
L8	7,8,3,2,5,1,4,6	Unique
L9	2,4,8,7,5,6,1,3	Unique
L10	1,7,3,2,6,8,4,5	2
L11	3,2,1,8,4,6,7,5	24
L12	3,2,5,7,1,4,6,8	16
L13	4,2,1,3,6,7,8,5	3
L14	8,4,6,5,7,3,1,2	4
L15	1,2,6,5,3,4,7,8	16
L16	6,2,1,7,8,3,4,5	4
L17	2,4,5,3,6,7,1,8	8
L18	3,2,4,7,8,6,1,5	4
L19	6,2,1,7,5,4,3,8	48
L20	1,7,6,4,2,8,3,5	Unique
L21	1,6,2,3,4,8,7,5	Unique
L22	7,3,2,5,6,1,4,8	8
L23	7,3,5,1,8,6,2,4	2
L24	1,7,6,4,2,5,8,3	10
L25	2,6,3,1,7,5,4,8	4
L26	4,2,1,3,8,6,7,5	8
L27	5,4,1,3,6,2,7,8	2
L28	8,4,3,6,7,2,1,5	Unique
L29	1,3,6,5,4,2,7,8	3
L30	6,2,1,7,8,5,4,3	2
L31	4,3,6,5,1,8,7,2	6
L32	3,7,4,6,5,2,8,1	12
L33	4,7,3,6,8,1,2,5	2
L34	6,2,7,3,5,8,4,1	4
L35	6,7,2,1,5,3,8,4	2
L36	6,2,1,4,7,5,3,8	14
L37	4,3,2,1,7,6,5,8	8
L38	1,5,3,6,8,7,2,4	2
L39	8,2,3,7,5,1,6,4	12
L40	3,2,1,8,7,5,4,6	8

OCTAGON: One Solution and Total Number of Solutions

M1	6,3,2,5,7,4,1,8	8
M2	1,6,3,5,2,7,4,8	10
M3	1,2,4,7,5,6,3,8	12
M4	4,3,1,5,7,2,6,8	6
M5	5,2,4,1,3,8,7,6	8
M6	1,2,4,3,5,6,8,7	6
M7	2,1,6,7,8,5,4,3	12
M8	1,2,4,5,8,7,6,3	Unique
M9	2,1,3,6,7,5,4,8	28
M10	3,8,5,4,6,7,1,2	3
M11	1,5,8,7,4,3,6,2	8
M12	7,3,4,5,2,1,8,6	8
M13	4,7,2,1,3,8,6,5	2
M14	6,2,7,4,5,1,3,8	Unique
M15	4,7,3,8,1,6,5,2	4
M16	5,2,4,7,3,1,6,8	8
M17	6,1,5,3,7,4,2,8	12
M18	8,1,7,6,5,4,2,3	Unique
M19	4,3,2,7,6,1,8,5	16
M20	8,6,2,5,1,4,7,3	Unique
M21	1,6,7,2,5,3,8,4	2
M22	1,2,6,4,3,7,5,8	12
M23	2,8,1,4,6,7,3,5	2
M24	2,7,8,3,4,5,1,6	8
M25	7,4,3,2,6,8,1,5	2
M26	6,1,2,5,8,7,3,4	2
M27	4,8,7,6,3,2,1,5	Unique
M28	2,8,3,6,4,7,1,5	4
M29	1,7,4,2,8,6,3,5	2
M30	2,5,8,4,7,1,3,6	6
M31	7,4,5,1,2,8,6,3	2
M32	3,2,8,7,1,5,4,6	4
M33	2,8,3,7,1,4,6,5	8
M34	6,5,2,7,1,4,8,3	4
M35	2,8,3,5,6,7,1,4	3
M36	2,7,3,4,5,6,1,8	12
M37	1,8,7,6,4,3,5,2	8
M38	6,2,4,3,7,8,5,1	4
M39	4,1,6,2,8,7,3,5	4
M40	4,7,3,1,5,6,2,8	4

OCTAGON: One Solution and Total Number of Solutions

N1	3,2,4,1,5,6,7,8	12
N2	3,1,6,5,4,7,8,2	6
N3	6,7,5,4,1,3,8,2	10
N4	3,2,1,4,5,8,6,7	4
N5	2,1,5,4,3,8,7,6	6
N6	6,5,3,4,1,7,2,8	3
N7	4,3,5,2,1,6,7,8	Unique
N8	7,6,3,8,4,2,1,5	4
N9	6,3,8,4,5,7,2,1	24
N10	4,2,5,6,3,7,1,8	4
N11	3,6,4,2,7,8,1,5	4
N12	1,2,8,4,3,6,7,5	12
N13	7,3,6,4,2,1,8,5	Unique
N14	7,2,4,3,5,6,1,8	8
N15	5,3,1,7,2,8,4,6	8
N16	1,6,3,5,2,7,4,8	12
N17	6,3,7,2,4,1,8,5	2
N18	6,3,1,2,7,8,4,5	Unique
N19	1,6,3,8,7,5,2,4	8
N20	2,1,4,7,8,3,5,6	4
N21	1,7,3,8,2,6,5,4	12
N22	5,2,3,1,8,7,6,4	2
N23	6,3,2,4,1,8,7,5	6
N24	2,1,4,5,3,7,6,8	24
N25	4,1,6,7,5,3,2,8	10
N26	3,2,1,4,5,6,7,8	35
N27	1,2,4,6,3,5,7,8	6
N28	4,3,6,2,5,1,7,8	24
N29	1,7,5,4,6,3,8,2	8
N30	1,7,5,4,2,3,8,6	8
N31	1,8,2,5,7,6,4,3	24
N32	1,2,7,5,3,4,8,6	28
N33	1,5,4,6,2,7,3,8	8
N34	5,3,7,8,6,4,1,2	4
N35	2,3,1,4,8,7,5,6	6
N36	8,1,2,4,7,6,3,5	Unique
N37	4,6,3,5,7,1,8,2	2
N38	3,1,4,7,2,8,6,5	4
N39	4,1,2,3,8,7,6,5	4
N40	4,6,3,1,8,7,5,2	4

OCTAGON: One Solution and Total Number of Solutions

O1	6,3,1,5,7,2,8,4	5
O2	3,7,1,4,2,6,5,8	14
O3	3,2,1,5,4,7,6,8	12
O4	6,2,4,8,1,3,7,5	6
O5	1,3,2,5,8,6,7,4	12
O6	3,1,2,5,8,7,6,4	28
O7	2,1,7,6,4,8,3,5	12
O8	3,4,2,1,7,8,6,5	4
O9	2,3,1,5,4,6,8,7	30
O10	1,7,3,6,2,5,8,4	5
O11	1,4,2,3,5,7,6,8	8
O12	2,8,5,1,3,7,6,4	Unique
O13	4,1,2,6,8,7,3,5	4
O14	7,8,4,1,3,6,2,5	Unique
O15	4,3,6,8,5,1,7,2	Unique
O16	2,3,1,6,7,4,5,8	20
O17	2,3,7,8,5,1,6,4	4
O18	2,4,3,7,6,1,8,5	8
O19	1,3,7,4,2,8,6,5	6
O20	4,3,2,5,6,7,1,8	2
O21	5,1,3,7,8,4,6,2	8
O22	5,2,1,8,6,7,3,4	Unique
O23	1,2,3,5,4,6,7,8	20
O24	2,4,5,7,1,6,3,8	18
O25	6,2,1,4,7,3,8,5	12
O26	2,8,5,4,6,7,1,3	2
O27	1,8,3,5,6,7,4,2	4
O28	2,6,7,8,1,5,3,4	4
O29	1,7,8,5,4,6,3,2	2
O30	3,4,1,7,5,8,6,2	12
O31	2,4,3,1,5,6,8,7	10
O32	1,4,7,2,5,6,8,3	4
O33	6,3,4,7,2,8,5,1	10
O34	2,1,6,4,7,5,3,8	8
O35	3,1,2,7,6,8,4,5	3
O36	1,3,5,8,6,2,7,4	14
O37	7,6,2,3,4,8,1,5	4
O38	6,2,5,7,8,1,3,4	6
O39	1,6,4,3,2,8,7,5	12
O40	2,3,8,1,4,5,7,6	14

OCTAGON: One Solution and Total Number of Solutions

P1	5,2,1,8,7,4,3,6	10
P2	1,2,8,3,6,5,7,4	4
P3	2,5,1,4,3,8,7,6	12
P4	3,6,8,7,5,2,1,4	2
P5	1,2,3,8,4,6,7,5	2
P6	6,2,8,3,4,1,7,5	4
P7	5,8,1,7,6,4,2,3	Unique
P8	2,1,7,5,4,6,8,3	16
P9	1,2,7,3,6,4,5,8	8
P10	4,2,3,7,6,1,8,5	6
P11	5,1,2,6,7,3,8,4	4
P12	6,2,8,7,5,3,1,4	2
P13	4,1,5,3,2,7,6,8	24
P14	4,2,8,1,3,6,7,5	4
P15	1,7,5,2,4,6,3,8	8
P16	4,2,1,6,7,3,5,8	12
P17	2,3,1,6,8,7,5,4	4
P18	4,1,3,2,5,6,7,8	12
P19	3,8,5,1,2,4,7,6	4
P20	3,2,6,1,4,8,7,5	4
P21	2,1,4,5,7,6,3,8	6
P22	8,7,5,4,6,3,2,1	2
P23	3,2,6,1,8,7,4,5	4
P24	3,1,6,8,7,4,2,5	4
P25	7,1,4,5,8,3,6,2	4
P26	1,6,3,5,4,2,7,8	27
P27	6,3,2,1,5,4,8,7	4
P28	1,5,4,7,2,6,8,3	18
P29	1,2,4,7,8,5,3,6	4
P30	3,5,2,7,8,6,4,1	3
P31	4,2,3,6,7,8,1,5	4
P32	3,8,7,1,6,4,5,2	8
P33	2,1,6,5,4,7,8,3	2
P34	3,2,1,5,6,7,4,8	8
P35	3,6,8,7,2,1,5,4	12
P36	5,2,8,4,6,1,7,3	Unique
P37	4,5,2,1,6,3,8,7	2
P38	2,6,3,5,8,7,1,4	2
P39	3,4,1,2,5,8,7,6	4
P40	3,2,1,4,5,6,7,8	54

OCTAGON: One Solution and Total Number of Solutions

Q1	1,2,5,3,8,6,7,4	6
Q2	2,3,6,5,7,1,4,8	6
Q3	4,5,3,6,7,2,1,8	3
Q4	2,3,7,8,4,5,6,1	4
Q5	7,3,1,4,2,5,6,8	2
Q6	6,7,8,5,1,4,2,3	Unique
Q7	4,6,8,7,3,1,2,5	4
Q8	4,2,5,1,3,6,7,8	Unique
Q9	3,1,2,6,4,7,5,8	16
Q10	3,7,5,4,6,8,2,1	4
Q11	4,6,7,1,3,2,5,8	4
Q12	1,3,7,8,4,6,5,2	20
Q13	1,2,3,7,5,4,6,8	66
Q14	8,3,1,4,6,7,2,5	4
Q15	1,4,3,2,7,8,5,6	Unique
Q16	1,2,4,3,7,8,5,6	4
Q17	1,2,5,7,8,6,3,4	28
Q18	1,8,3,6,2,7,5,4	12
Q19	3,2,4,5,8,6,1,7	3
Q20	6,2,5,8,7,3,4,1	6
Q21	1,7,5,4,3,6,8,2	4
Q22	2,1,8,5,6,4,7,3	8
Q23	1,7,6,3,8,4,2,5	4
Q24	3,1,2,5,7,4,8,6	12
Q25	6,2,5,4,1,3,8,7	4
Q26	3,6,2,5,7,1,8,4	4
Q27	8,7,2,4,5,6,1,3	2
Q28	3,8,7,4,1,2,6,5	2
Q29	1,2,4,5,3,6,7,8	20
Q30	8,2,7,1,5,6,3,4	4
Q31	3,2,4,1,5,6,7,8	8
Q32	7,3,1,4,6,2,8,5	18
Q33	2,1,7,6,8,5,3,4	2
Q34	6,1,3,7,5,8,2,4	8
Q35	4,2,3,8,5,1,6,7	3
Q36	6,7,1,5,2,4,8,3	4
Q37	2,8,3,7,6,4,1,5	6
Q38	3,1,8,6,5,2,7,4	15
Q39	2,1,5,7,3,4,8,6	4
Q40	6,1,7,8,4,3,2,5	4

OCTAGON: One Solution and Total Number of Solutions

R1	2,1,5,3,8,7,4,6	6
R2	1,5,2,3,4,7,6,8	6
R3	1,8,4,7,3,5,2,6	Unique
R4	2,3,6,1,4,8,7,5	Unique
R5	4,6,1,5,2,8,7,3	Unique
R6	7,8,3,6,2,5,1,4	Unique
R7	1,3,8,6,4,5,7,2	12
R8	4,6,5,1,3,7,2,8	4
R9	6,1,7,5,2,4,8,3	2
R10	1,2,3,7,8,6,5,4	16
R11	4,1,2,7,3,5,8,6	6
R12	4,1,2,5,3,7,6,8	4
R13	1,2,3,4,7,5,6,8	8
R14	6,3,2,4,7,1,8,5	10
R15	4,5,8,1,7,6,3,2	2
R16	6,2,3,4,1,8,7,5	36
R17	2,1,8,3,5,4,6,7	8
R18	4,3,1,2,5,7,8,6	8
R19	1,2,7,5,3,6,4,8	20
R20	7,1,4,6,3,2,5,8	4
R21	1,2,4,5,3,6,7,8	Unique
R22	6,2,5,1,3,8,7,4	6
R23	4,8,1,5,3,7,2,6	12
R24	1,8,6,4,7,3,5,2	4
R25	8,6,5,7,4,1,2,3	2
R26	4,2,3,6,5,7,1,8	16
R27	6,2,5,4,7,3,1,8	8
R28	8,3,2,4,1,5,6,7	4
R29	7,2,3,1,6,4,8,5	4
R30	3,2,7,6,1,4,8,5	10
R31	2,6,8,1,7,4,3,5	4
R32	2,4,6,5,1,7,3,8	6
R33	4,6,5,2,1,7,3,8	4
R34	1,2,7,3,4,8,5,6	Unique
R35	1,3,7,6,5,8,2,4	22
R36	7,1,4,2,6,8,3,5	4
R37	6,2,1,5,8,7,4,3	10
R38	8,7,2,1,6,3,4,5	2
R39	3,5,1,7,2,4,6,8	16
R40	1,2,5,7,4,3,8,6	16

OCTAGON: One Solution and Total Number of Solutions

S1	1,5,2,4,3,6,7,8	8
S2	2,8,1,7,3,4,5,6	8
S3	1,3,5,4,7,2,8,6	8
S4	1,6,5,7,8,4,2,3	4
S5	1,4,3,8,7,6,5,2	16
S6	4,2,3,8,6,5,7,1	3
S7	7,2,4,6,5,3,1,8	24
S8	3,2,1,5,7,6,4,8	8
S9	7,3,2,8,4,6,1,5	4
S10	3,5,1,2,6,4,8,7	8
S11	2,1,7,3,4,8,6,5	8
S12	8,7,3,1,5,2,6,4	2
S13	4,3,5,6,2,7,1,8	8
S14	4,8,1,5,3,6,7,2	4
S15	1,2,5,4,8,3,6,7	9
S16	3,2,5,6,1,7,8,4	16
S17	7,2,3,4,1,8,6,5	2
S18	2,8,1,6,7,3,5,4	8
S19	6,3,2,4,5,7,8,1	12
S20	5,4,6,2,1,3,8,7	4
S21	1,8,6,5,2,7,3,4	5
S22	7,4,6,1,3,8,5,2	2
S23	3,6,8,7,5,1,2,4	2
S24	2,5,3,4,7,6,1,8	4
S25	2,6,4,5,1,7,3,8	Unique
S26	1,4,3,6,5,8,7,2	6
S27	2,3,1,6,8,4,7,5	12
S28	1,6,8,7,5,4,2,3	4
S29	4,1,2,5,6,3,7,8	16
S30	1,6,5,4,3,7,2,8	6
S31	1,2,3,6,5,8,7,4	12
S32	2,8,7,4,3,1,5,6	4
S33	2,3,5,7,4,1,6,8	6
S34	1,3,7,5,4,2,8,6	12
S35	4,6,7,8,3,1,2,5	Unique
S36	4,2,3,7,8,1,6,5	6
S37	3,4,1,7,5,8,2,6	5
S38	1,2,5,3,8,4,7,6	4
S39	6,7,5,1,2,8,3,4	Unique
S40	2,5,1,4,6,3,7,8	7

OCTAGON: One Solution and Total Number of Solutions

T1	5,4,6,3,8,7,2,1	2
T2	4,3,2,1,6,8,7,5	8
T3	4,5,2,3,8,6,1,7	2
T4	1,2,4,6,5,7,3,8	12
T5	2,3,1,6,4,8,7,5	4
T6	2,4,6,3,7,8,1,5	8
T7	4,2,5,1,3,8,6,7	4
T8	3,2,4,1,8,7,6,5	2
T9	1,4,2,3,7,5,8,6	16
T10	5,2,7,6,1,4,8,3	2
T11	2,1,3,4,7,5,8,6	2
T12	6,4,2,3,1,5,7,8	2
T13	6,3,4,1,7,2,5,8	2
T14	4,3,8,7,2,6,5,1	8
T15	1,4,8,3,5,6,7,2	2
T16	2,1,8,4,7,3,6,5	Unique
T17	1,2,5,7,8,4,3,6	8
T18	4,7,3,6,1,2,5,8	4
T19	2,7,5,4,3,1,6,8	10
T20	4,1,2,8,7,3,6,5	4
T21	3,7,8,5,4,6,1,2	4
T22	3,5,4,1,7,8,6,2	Unique
T23	5,2,1,6,8,7,3,4	4
T24	1,2,7,3,6,4,8,5	2
T25	3,1,8,4,7,2,6,5	4
T26	1,4,2,8,5,3,7,6	3
T27	5,4,6,3,7,2,8,1	4
T28	5,2,7,3,6,8,1,4	3
T29	1,3,5,6,7,2,4,8	2
T30	3,1,4,7,8,2,6,5	10
T31	7,2,6,1,4,8,3,5	Unique
T32	5,4,6,8,1,3,7,2	Unique
T33	5,1,3,4,6,7,2,8	12
T34	1,3,2,5,6,7,8,4	10
T35	2,1,3,5,6,7,4,8	10
T36	3,1,7,6,2,5,8,4	6
T37	8,6,4,7,3,1,5,2	4
T38	1,6,8,5,7,4,3,2	16
T39	3,8,4,5,7,6,1,2	4
T40	1,2,6,5,7,8,4,3	6