Adjacency Matrix:

	A	B	C	D	E	F	G	H	I	J
A	0	0	0	0	1	1	1	0	0	1
B	0	0	1	1	0	0	1	0	0	1
C	0	1	0	1	0	0	0	0	0	0
D	0	1	1	0	0	0	0	1	1	0
E	1	0	0	0	0	1	0	0	0	1
F	1	0	0	0	1	0	0	0	0	0
G	1	1	0	0	0	0	0	0	1	0
H	0	0	0	1	0	0	0	0	1	0
I	0	0	0	1	0	0	1	1	0	0
J	1	1	0	0	1	0	0	0	0	0

A = 1

B = 2

C = 3

D = 4

E = 5

F = 6

G = 7

H = 8

I = 9

J = 10