Example 1.

Input:

Vector of degrees d: (4, 2, 2, 2, 2, 2, 1, 1, 1, 1)

Output:

Graph in graph6 format: ITaIA???G

Adjacency matrix translated from graph6 format:

0 0 1 1 1 1 0 0 0 0

0 0 0 0 0 0 1 1 0 0

1 0 0 1 0 0 0 0 0 0

1 0 1 0 0 0 0 0 0 0

1 0 0 0 0 1 0 0 0 0

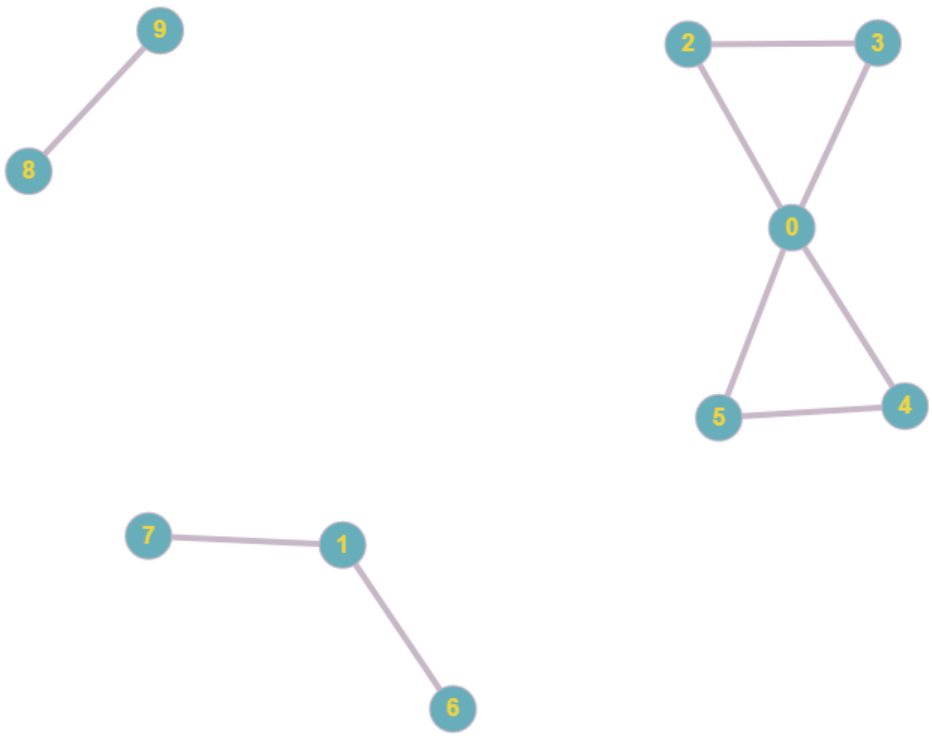
1 0 0 0 1 0 0 0 0 0

0 1 0 0 0 0 0 0 0 0

0 1 0 0 0 0 0 0 0 0

0 0 0 0 0 0 0 0 0 1

0 0 0 0 0 0 0 0 1 0



Example 2.

Input:

Vector of degrees d: (5, 5, 4, 4, 4, 4, 2)

Output:

Graph in graph6 format: F~zOW

Adjacency matrix translated from graph6 format:

0 1 1 1 1 1 0

1 0 1 1 1 1 0

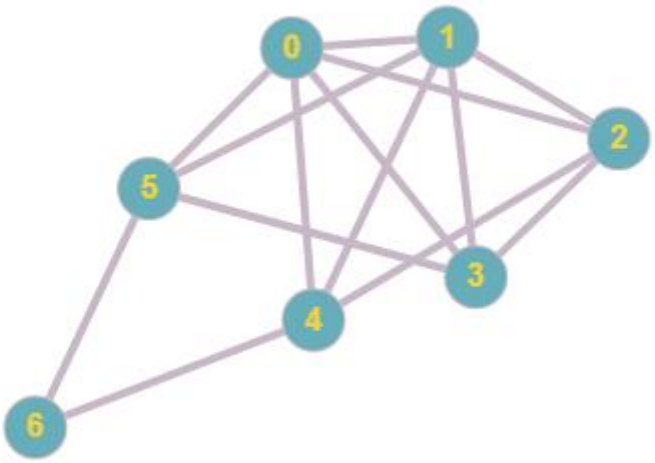
1 1 0 1 1 0 0

1 1 1 0 0 1 0

1 1 1 0 0 0 1

1 1 0 1 0 0 1

0 0 0 0 1 1 0



Example 3.

Input:

Vector of degrees d: (5, 5, 4, 4, 4, 3, 1)

Output:

Graph in graph6 format: F~~?G

Adjacency matrix translated from graph6 format:

0 1 1 1 1 1 0

1 0 1 1 1 1 0

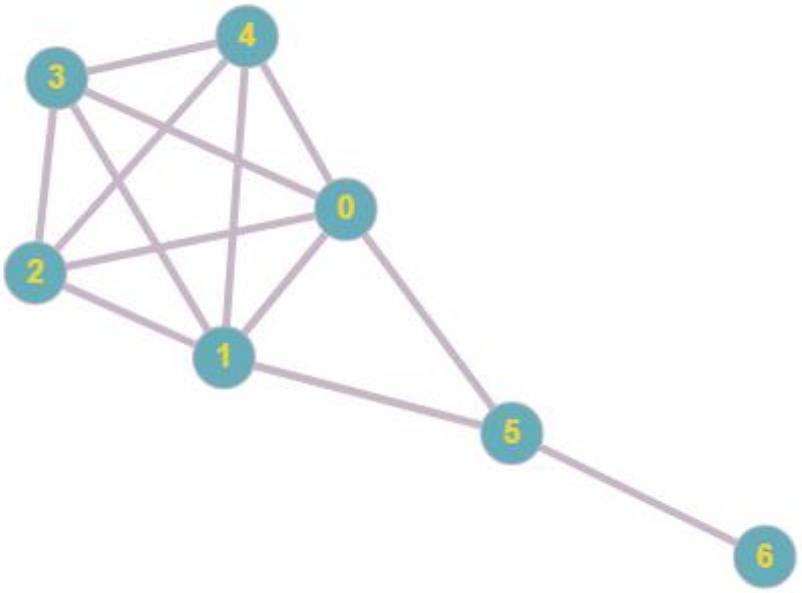
1 1 0 1 1 0 0

1 1 1 0 1 0 0

1 1 1 1 0 0 0

1 1 0 0 0 0 1

0 0 0 0 0 1 0



Example 4.

Input:

Vector of degrees d: (5, 5, 4, 4, 2, 1, 1)

Output:

Vector d = (5, 5, 4, 4, 2, 1, 1) isn’t a graphic