

Eight graphs with 10 edges generated by the program are not matchstick graphs.

Here are their indices inside the list outputted by the program, as well as their lists of edges:

Graph number	List of edges of the graph
148	(1,0) (2,0) (1,2) (3,0) (1,3) (4,0) (5,1) (4,5) (6,2) (7,3)
166	(1,0) (2,0) (1,2) (3,0) (1,3) (4,0) (5,1) (6,2) (7,3) (6,7)
194	(1,0) (2,0) (1,2) (3,0) (1,3) (4,0) (5,2) (4,5) (6,3) (5,6)
290	(1,0) (2,0) (1,2) (3,0) (1,3) (4,2) (5,2) (6,3) (4,6) (5,6)
615	(1,0) (2,0) (1,2) (3,0) (4,0) (5,1) (3,5) (6,1) (4,6) (7,2)
634	(1,0) (2,0) (1,2) (3,0) (4,0) (5,1) (3,5) (6,2) (4,6) (5,6)
979	(1,0) (2,0) (1,2) (3,0) (4,1) (3,4) (5,2) (6,3) (4,6) (5,6)
1402	(1,0) (2,0) (3,0) (4,0) (5,1) (2,5) (6,1) (3,6) (7,1) (4,7)

Drawings of these graphs are proposed below.

They of course don't respect the criteria of the matchstick graphs.

