Example: Edge Recon bination

Element	Edges	Element	Edges
1	2,5,4,9	6	2,5+,7
2	1,3,6,8	7	3,6,8+
3	2,4,7,9	8	2,7+,9
4	1,3,5,9	9	1,3,4,8
5	1,4,6+		

Solution @ Random choose initiation

Destrike all 1 in others Edges we can choose 2 5 49

Element	Edges	Element	Edges
1	2,5,4,9	6	2,5+,7
2	0,3,6,8	7	3,6,8+
3	2,4,7,9	8	2,7+,9
4	3,3,5,9	9	2 ,3,4,8
5	2,4,6+		

Choic	ce Element selected	Reason	partial result
All	1	Random	1
2549	5	Shortest list	15
3 sti	rike. 5; If	list same choose	common ed

Element	Edges	Element	Edges
1	264,9	6	2,647
2	0,3,6,8	7	3,6,8+
3	2,4,7,9	8	2,7+,9
4	3 ,3 3 9	9	2 ,3,4,8
5	0.4,6+		

Choice	Element selected	Reason	partial result
All	1	Random	1
2549	5	Shortest list	12
46	6	common edge	156

@ strike 6

Element	Edges	Element	Edges
1	2634,9	6	2,64,7
2	0,30,8	7	3,08+
3	2,4,7,9	8	2,7+,9
4	3,309	9	2 ,3,4,8
5	0,4,		,

Choice	Element selected	Reason	partial result
All	1	Random	1
2549	5	shortest list	15
46	6	common edge	156

27 2 fandom choice. 1562 Choth have two items in list)

1 Strike 2

Element Edges I	Element Edges 7 3,08+ 8 0,7+,9 9 0,3,4,8	3/ 2,4,7,9 8/ 2,7+,9	
Choice	Element selected		partial result
All	1	Random	1
2549	5	shortest list	15
46	6	common edge	156
27	2	Random choice.	1562
2	•	Choth have two items	in list)
38	8	shortest list	15828
79	7	shortest list	158287
3	>	only item in list	1562873

Element	Edges	Element	Edges
1	304,9	-6	
2	0.308	3	3,06-9
4	9,4,679 96369	9	GB 4 F3
5	910		90

Choice	Element selected		partial result
All		Random	1
2549	5	shortest list	15
46	6	common edge	156
27	2	fandom choice.	1562
		Cboth have two items	in list)
38	8	shortest list	15828
79	7	shortest list	158287
3	3	only item in list	•
49	9	Randon choice	
4	arphi	Last dent	158287394