

On the Wind Farm Cable Routing Problem Optimization via  
Path-Relinking Metaheuristic <sup>1</sup>

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<sup>1</sup>XIII Latin and American Algorithms, Graphs and Optimization Symposium (LAGOS 2025)

## A Parameters for instance generation

ID	Parameters	ID	Parameters	ID	Parameters	ID	Parameters
Small instances							
1	n50_s01_t01_w01	23	n50_s02_t03_w03	45	n50_s03_t03_w05	67	n50_s05_t01_w02
2	n50_s01_t01_w02	24	n50_s02_t03_w04	46	n50_s03_t04_w01	68	n50_s05_t01_w03
3	n50_s01_t01_w03	25	n50_s02_t03_w05	47	n50_s03_t04_w02	69	n50_s05_t01_w04
4	n50_s01_t01_w04	26	n50_s02_t04_w01	48	n50_s03_t04_w03	70	n50_s05_t01_w05
5	n50_s01_t01_w05	27	n50_s02_t04_w02	49	n50_s03_t04_w04	71	n50_s05_t02_w01
6	n50_s01_t02_w01	28	n50_s02_t04_w03	50	n50_s03_t04_w05	72	n50_s05_t02_w02
7	n50_s01_t02_w02	29	n50_s02_t04_w04	51	n50_s04_t01_w01	73	n50_s05_t02_w03
8	n50_s01_t02_w03	30	n50_s02_t04_w05	52	n50_s04_t01_w02	74	n50_s05_t02_w04
9	n50_s01_t02_w04	31	n50_s03_t01_w01	53	n50_s04_t01_w03	75	n50_s05_t02_w05
10	n50_s01_t02_w05	32	n50_s03_t01_w02	54	n50_s04_t01_w04	76	n50_s05_t03_w01
11	n50_s01_t03_w01	33	n50_s03_t01_w03	55	n50_s04_t01_w05	77	n50_s05_t03_w02
12	n50_s01_t03_w02	34	n50_s03_t01_w04	56	n50_s04_t02_w01	78	n50_s05_t03_w03
13	n50_s01_t03_w03	35	n50_s03_t01_w05	57	n50_s04_t02_w02	79	n50_s05_t03_w04
14	n50_s01_t03_w04	36	n50_s03_t02_w01	58	n50_s04_t02_w03	80	n50_s05_t03_w05
15	n50_s01_t03_w05	37	n50_s03_t02_w02	59	n50_s04_t02_w04	81	n50_s05_t04_w01
16	n50_s01_t04_w01	38	n50_s03_t02_w03	60	n50_s04_t02_w05	82	n50_s05_t04_w02
17	n50_s02_t02_w02	39	n50_s03_t02_w04	61	n50_s04_t03_w01	83	n50_s05_t04_w03
18	n50_s02_t02_w03	40	n50_s03_t02_w05	62	n50_s04_t03_w02	84	n50_s05_t04_w04
19	n50_s02_t02_w04	41	n50_s03_t03_w01	63	n50_s04_t03_w03	85	n50_s05_t04_w05
20	n50_s02_t02_w05	42	n50_s03_t03_w02	64	n50_s04_t03_w04	-	-
21	n50_s02_t03_w01	43	n50_s03_t03_w03	65	n50_s04_t03_w05	-	-
22	n50_s02_t03_w02	44	n50_s03_t03_w04	66	n50_s04_t04_w01	-	-
Medium instances							
86	n80_s01_t02_w01	105	n80_s02_t01_w05	124	n80_s03_t02_w04	143	n80_s04_t04_w03
87	n80_s01_t02_w02	106	n80_s02_t02_w01	125	n80_s03_t02_w05	144	n80_s04_t04_w04
88	n80_s01_t02_w03	107	n80_s02_t02_w02	126	n80_s04_t01_w01	145	n80_s04_t04_w05
89	n80_s01_t02_w04	108	n80_s02_t02_w03	127	n80_s04_t01_w02	146	n80_s05_t01_w01
90	n80_s01_t02_w05	109	n80_s02_t02_w04	128	n80_s04_t01_w03	147	n80_s05_t01_w02
91	n80_s01_t03_w01	110	n80_s02_t02_w05	129	n80_s04_t01_w04	148	n80_s05_t01_w03
92	n80_s01_t03_w02	111	n80_s02_t03_w01	130	n80_s04_t01_w05	149	n80_s05_t01_w04
93	n80_s01_t03_w03	112	n80_s02_t03_w02	131	n80_s04_t02_w01	150	n80_s05_t02_w05
94	n80_s01_t03_w04	113	n80_s02_t03_w03	132	n80_s04_t02_w02	151	n80_s05_t03_w01
95	n80_s01_t03_w05	114	n80_s02_t03_w04	133	n80_s04_t02_w03	152	n80_s05_t03_w02
96	n80_s01_t04_w01	115	n80_s02_t03_w05	134	n80_s04_t02_w04	153	n80_s05_t03_w03
97	n80_s01_t04_w02	116	n80_s02_t04_w01	135	n80_s04_t02_w05	154	n80_s05_t03_w04
98	n80_s01_t04_w03	117	n80_s02_t04_w02	136	n80_s04_t03_w01	155	n80_s05_t03_w05
99	n80_s01_t04_w04	118	n80_s02_t04_w03	137	n80_s04_t03_w02	156	n80_s05_t04_w01
100	n80_s01_t04_w05	119	n80_s02_t04_w04	138	n80_s04_t03_w03	157	n80_s05_t04_w02
101	n80_s02_t01_w01	120	n80_s02_t04_w05	139	n80_s04_t03_w04	158	n80_s05_t04_w03
102	n80_s02_t01_w02	121	n80_s03_t02_w01	140	n80_s04_t03_w05	159	n80_s05_t04_w04
103	n80_s02_t01_w03	122	n80_s03_t02_w02	141	n80_s04_t04_w01	160	n80_s05_t04_w05
104	n80_s02_t01_w04	123	n80_s03_t02_w03	142	n80_s04_t04_w02	-	-

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ID	Parameters	ID	Parameters	ID	Parameters	ID	Parameters
Large instances							
161	n120_s04_t01_w01	171	n120_s04_t03_w01	181	n120_s05_t01_w01	191	n120_s05_t03_w01
162	n120_s04_t01_w02	172	n120_s04_t03_w02	182	n120_s05_t01_w02	192	n120_s05_t03_w02
163	n120_s04_t01_w03	173	n120_s04_t03_w03	183	n120_s05_t01_w03	193	n120_s05_t03_w03
164	n120_s04_t01_w04	174	n120_s04_t03_w04	184	n120_s05_t01_w04	194	n120_s05_t03_w04
165	n120_s04_t01_w05	175	n120_s04_t03_w05	185	n120_s05_t01_w05	195	n120_s05_t03_w05
166	n120_s04_t02_w01	176	n120_s04_t04_w01	186	n120_s05_t02_w01	196	n120_s05_t04_w01
167	n120_s04_t02_w02	177	n120_s04_t04_w02	187	n120_s05_t02_w02	197	n120_s05_t04_w02
168	n120_s04_t02_w03	178	n120_s04_t04_w03	188	n120_s05_t02_w03	198	n120_s05_t04_w03
169	n120_s04_t02_w04	179	n120_s04_t04_w04	189	n120_s05_t02_w04	199	n120_s05_t04_w04
170	n120_s04_t02_w05	180	n120_s04_t04_w05	190	n120_s05_t02_w05	200	n120_s05_t04_w05

Table 1: [Parameters for instance generation](#)