

HAD DRA



226

685

143 Km

59 Km/h

2022-01-29 11:08:00

31.674805, -9.494976

08:30,19:06

VITESSE

Lâcher HAD DRA , 226 Pig Admis, 33 %

Cls	Nom	Ad/En	C.N	heure	Dist/Km	V(m/min)	Bague	Point	coef
1	TANDIME HAMZA-KHAMIS	13/28	1°	29.13:16:30	144.5966	1125.264	19-29***37 ♀	100	0.146
2	LOFT ABDELMOMEN/AYOUP	13/30	1°	29.13:16:57	144.3808	1119.666	19-42***29 ♂	99.558	0.292
3	TANDIME HAMZA-KHAMIS	13/28	2°	29.13:17:11	144.5966	1119.312	19-29***38 ♂	99.115	0.438
4	LOFT FAMILLE ERRASSIKHI	36/66	1°	29.13:17:00	144.3823	1119.24	20-25***78 ♂	98.673	0.5839
5	FRERES MIHFAD	16/36	1°	29.13:16:42	143.0383	1111.41	19-28***63 ♂	98.23	0.7299
6	LOFT FAMILLE ERRASSIKHI	36/66	2°	29.13:18:05	144.3823	1109.922	21-98***35 ♀	97.788	0.8759
7	LOFT FAMILLE ERRASSIKHI	36/66	3°	29.13:18:07	144.3823	1109.64	21-07***11 ♀	97.345	1.0219
8	LOFT FAMILLE ERRASSIKHI	36/66	4°	29.13:18:09	144.3823	1109.352	20-02***06 ♀	96.903	1.1679
9	LOFT FAMILLE ERRASSIKHI	36/66	5°	29.13:18:11	144.3823	1109.07	21-07***18 ♀	96.46	1.3139
10	IKHWANE ERRAGGADI 09	10/14	1°	29.13:18:34	144.7727	1108.8	19-42***50 ♀	96.018	1.4599
11	LOFT FAMILLE ERRASSIKHI	36/66	6°	29.13:18:19	144.3823	1107.936	20-02***04 ♂	95.575	1.6058
12	TANDIME HAMZA-KHAMIS	13/28	3°	29.13:18:35	144.5966	1107.312	19-29***41 ♂	95.133	1.7518
13	IKHWANE MABCHOUR	7/31	1°	29.13:17:51	143.5377	1105.41	19-28***86 ♀	94.69	1.8978
14	IKHWANE KASSIM JAWAD	8/18	1°	29.13:20:23	146.0554	1103.274	19-42***09 ♀	94.248	2.0438
15	IKHWANE KASSIM JAWAD	8/18	2°	29.13:20:25	146.0554	1102.998	21-05***89 ♀	93.805	2.1898
16	LOFT ABDELMOMEN/AYOUP	13/30	2°	29.13:19:11	144.3808	1100.604	19-91***94 ♀	93.363	2.3358
17	IKHWANE ERRAGGADI 09	10/14	2°	29.13:19:44	144.7727	1098.984	20-19***45 ♀	92.92	2.4818
18	LOFT ESSAMAKI ABDELHADI	8/16	1°	29.13:19:47	144.8162	1098.894	20-53***65 ♂	92.478	2.6277
19	TANDIME HAMZA-KHAMIS	13/28	4°	29.13:19:41	144.5966	1098.06	21-29***42 ♀	92.035	2.7737

Cls	Nom	Ad/En	C.N	heure	Dist/Km	V(m/min)	Bague	Point	coef
20	LOFT ABDELMOMEN/AYOUP	13/30	3°	29.13:19:30	144.3808	1097.952	21-09***01 ♂	91.593	2.9197
21	LOFT CHERADI AZDINE 01	6/13	1°	29.13:18:45	143.4264	1096.95	19-29***61 ♂	91.15	3.0657
22	LOFT REDOUANE WLD RBI3A	2/7	1°	29.13:12:31	136.4812	1096.086	20-13***46 ♀	90.708	3.2117
23	IKHWANE ERRAGGADI 09	10/14	3°	29.13:20:24	144.7727	1093.452	20-02***01 ♂	90.266	3.3577
24	MOHAMED BOUKHAR GHRAOUDA	4/38	1°	29.13:22:14	146.4364	1090.908	21-28***75 ♀	89.823	3.5036
25	LOFT ESSAMAKI ABDELHADI	8/16	2°	29.13:21:01	144.8162	1088.706	20-53***64 ♀	89.381	3.6496
26	LOFT FAMILLE BENHAIMED-FIRASS	21/73	1°	29.13:19:47	143.1811	1086.486	19-67***57	88.938	3.7956
27	TANDIME HAMZA- KHAMIS	13/28	5°	29.13:21:14	144.5966	1085.286	21-54***17 ♂	88.496	3.9416
28	IKHWANE MABCHOUR	7/31	2°	29.13:20:38	143.5377	1082.214	19-24***81 ♀	88.053	4.0876
29	LOFTE SALAH	8/0	1°	29.13:20:37	143.5143	1082.172	18-35***53 ♀	87.611	4.2336
30	TANDIME HAMZA- KHAMIS	13/28	6°	29.13:21:41	144.5966	1081.632	19-29***53 ♂	87.168	4.3796
30	TANDIME HAMZA- KHAMIS	13/28	7°	29.13:21:41	144.5966	1081.632	19-91***35 ♀	87.168	4.3796
32	LOFT FAMILLE ERRASSIKHI	36/66	7°	29.13:21:35	144.3823	1080.84	19-28***38 ♀	86.283	4.6715
33	LOFT FAMILLE ERRASSIKHI	36/66	8°	29.13:21:36	144.3823	1080.708	20-02***01 ♀	85.841	4.8175
34	LOFT CHERADI AZDINE 01	6/13	2°	29.13:20:43	143.4264	1080.696	19-04***07 ♀	85.398	4.9635
35	LOFT FAMILLE ERRASSIKHI	36/66	9°	29.13:21:37	144.3823	1080.57	20-02***02 ♂	84.956	5.1095
36	LOFT FAMILLE ERRASSIKHI	36/66	10°	29.13:21:38	144.3823	1080.438	20-25***80 ♀	84.513	5.2555
37	LOFT FAMILLE ERRASSIKHI	36/66	11°	29.13:21:39	144.3823	1080.3	18-29***07 ♀	84.071	5.4015
38	LOFT FAMILLE ERRASSIKHI	36/66	12°	29.13:21:40	144.3823	1080.168	21-54***01 ♂	83.628	5.5474
39	AMINE MO3TASSIM	5/11	1°	29.13:18:38	140.8846	1078.476	20-02***15 ♂	83.186	5.6934
40	LOFT FAMILLE ERRASSIKHI	36/66	13°	29.13:21:53	144.3823	1078.416	21-54***03 ♀	82.743	5.8394
41	LOFT FAMILLE ERRASSIKHI	36/66	14°	29.13:21:58	144.3823	1077.75	20-04***84 ♂	82.301	5.9854
42	TANDIME HAMZA- KHAMIS	13/28	8°	29.13:22:14	144.5966	1077.204	21-02***90 ♀	81.858	6.1314
43	MOHAMED ZAHRAOUI	11/16	1°	29.13:22:35	144.4335	1073.19	19-28***94 ♀	81.416	6.2774
44	LOFT FAMILLE ERRASSIKHI	36/66	15°	29.13:22:34	144.3823	1072.944	20-02***05 ♂	80.974	6.4234
45	LOFT FAMILLE ERRASSIKHI	36/66	16°	29.13:22:37	144.3823	1072.542	20-02***15 ♀	80.531	6.5693

Cls	Nom	Ad/En	C.N	heure	Dist/Km	V(m/min)	Bague	Point	coef
46	IKHWANE ERRAGGADI 09	10/14	4°	29.13:22:59	144.7727	1072.524	20-02***13 ♀	80.089	6.7153
47	LOFT ABDELMOMEN/AYOUP	13/30	4°	29.13:22:52	144.3808	1070.544	20-00***88 ♂	79.646	6.8613
48	LOFT ABDELMOMEN/AYOUP	13/30	5°	29.13:23:02	144.3808	1069.224	20-41***40 ♂	79.204	7.0073
49	MOHAMED ZAHRAOUI	11/16	2°	29.13:23:05	144.4335	1069.218	20-25***75 ♀	78.761	7.1533
50	LOFT FAMILLE BENHAIMED-FIRASS	21/73	2°	29.13:21:56	143.1811	1069.05	20-00***46	78.319	7.2993
51	ABOULKASSIM AYOUBE	5/8	1°	29.13:21:06	142.2051	1068.408	19-44***30 ♂	77.876	7.4453
52	LOFT NABIL SAMLALI	12/40	1°	29.13:22:20	143.4935	1068.192	19-28***19 ♀	77.434	7.5912
53	IKHWANE KASSIM JAWAD	8/18	3°	29.13:24:47	146.0554	1067.784	19-36***64 ♀	76.991	7.7372
54	LOFT ABDELMOMEN/AYOUP	13/30	6°	29.13:23:14	144.3808	1067.64	20-41***48 ♂	76.549	7.8832
55	MOHAMED ZAHRAOUI	11/16	3°	29.13:23:18	144.4335	1067.508	19-28***98 ♀	76.106	8.0292
56	LOFT NABIL SAMLALI	12/40	2°	29.13:22:30	143.4935	1066.866	19-28***35 ♀	75.664	8.1752
57	IKHWANE ERRAGGADI 09	10/14	5°	29.13:23:47	144.7727	1066.206	19-52***74 ♂	75.221	8.3212
58	LOFT ABDELMOMEN/AYOUP	13/30	7°	29.13:23:25	144.3808	1066.194	18-26***34 ♂	74.779	8.4672
59	LOFTE HAMZA	2/22	1°	29.13:22:32	143.3596	1065.606	21-02***56 ♂	74.336	8.6131
60	LOFT FAMILLE ERRASSIKHI	36/66	17°	29.13:23:42	144.3823	1063.98	20-25***79 ♂	73.894	8.7591
61	LOFT FAMILLE ERRASSIKHI	36/66	18°	29.13:23:43	144.3823	1063.848	18-29***01 ♀	73.451	8.9051
62	LOFT BOUCHAIBE BENCHIHBE ET FILS	11/32	1°	29.13:22:37	143.2106	1063.842	21-82***58 ♂	73.009	9.0511
63	LOFT FAMILLE ERRASSIKHI	36/66	19°	29.13:23:45	144.3823	1063.59	19-26***31 ♀	72.566	9.1971
64	IKHWANE EZZAHRAOUI 07	9/21	1°	29.13:23:42	144.2953	1063.338	20-03***14 ♂	72.124	9.3431
64	IKHWANE EZZAHRAOUI 07	9/21	2°	29.13:23:42	144.2953	1063.338	20-31***25 ♀	72.124	9.3431
66	ABOULKASSIM AYOUBE	5/8	2°	29.13:21:54	142.2051	1062.024	18-68***98 ♂	71.239	9.635
67	FRERES MIHFAD	16/36	2°	29.13:22:44	143.0383	1061.64	19-08***83 ♀	70.797	9.781
68	MOHAMED ZAHRAOUI	11/16	4°	29.13:24:03	144.4335	1061.622	19-73***20 ♀	70.354	9.927
69	LOFT NABIL SAMLALI	12/40	3°	29.13:23:13	143.4935	1061.214	20-04***69 ♀	69.912	10.073
70	LOFT ABDELMOMEN/AYOUP	13/30	8°	29.13:24:14	144.3808	1059.804	21-02***04 ♀	69.469	10.219
71	FRERES MIHFAD	16/36	3°	29.13:22:59	143.0383	1059.672	18-12***28 ♀	69.027	10.365
72	IKHWANE ERRAGGADI 09	10/14	6°	29.13:24:38	144.7727	1059.57	21-06***94 ♀	68.584	10.5109

Cls	Nom	Ad/En	C.N	heure	Dist/Km	V(m/min)	Bague	Point	coef
73	IKHWANE ERRAGGADI 09	10/14	7°	29.13:24:42	144.7727	1059.054	20-02***05 ♂	68.142	10.6569
74	IKHWANE KASSIM JAWAD	8/18	4°	29.13:25:55	146.0554	1059.012	21-07***53 ♀	67.699	10.8029
75	FRERES MIHFAD	16/36	4°	29.13:23:09	143.0383	1058.37	21-75***55 ♀	67.257	10.9489
76	IKHWANE EZZAHRAOUI 07	9/21	3°	29.13:24:23	144.2953	1058.01	20-31***21 ♂	66.814	11.0949
77	MOHAMED FARAHIDI	4/22	1°	29.14:15:21	198.166	1057.734	20-66***30 ♀	66.372	11.2409
78	FRERES MIHFAD	16/36	5°	29.13:23:20	143.0383	1056.936	19-08***89 ♂	65.929	11.3869
78	HNICH JONOD ELKHAFAA	2/19	1°	29.13:23:47	143.5143	1056.936	21-09***46 ♀	65.929	11.3869
80	LOFT FAMILLE BENHAIMED-FIRASS	21/73	3°	29.13:23:30	143.1811	1056.684	21-05***09	65.044	11.6788
81	FRERES MIHFAD	16/36	6°	29.13:23:24	143.0383	1056.414	18-12***29 ♂	64.602	11.8248
82	LOFT CHERADI AZDINE 01	6/13	3°	29.13:23:50	143.4264	1055.898	20-03***13 ♀	64.159	11.9708
83	HNICH JONOD ELKHAFAA	2/19	2°	29.13:24:01	143.5143	1055.124	19-28***61 ♀	63.717	12.1168
84	LOFT ESSAMAKI ABDELHADI	8/16	3°	29.13:25:16	144.8162	1054.998	18-43***40 ♀	63.274	12.2628
85	LOFT BOUCHAIBE BENCHIHBE ET FILS	11/32	2°	29.13:23:46	143.2106	1054.83	21-82***51 ♂	62.832	12.4088
86	LOFT CHERADI AZDINE 01	6/13	4°	29.13:23:59	143.4264	1054.734	19-29***77 ♂	62.389	12.5547
87	IKHWANE KASSIM JAWAD	8/18	5°	29.13:26:34	146.0554	1054.044	21-07***41 ♀	61.947	12.7007
87	IKHWANE KASSIM JAWAD	8/18	6°	29.13:26:34	146.0554	1054.044	19-36***58 ♀	61.947	12.7007
89	LOFT NABIL SAMLALI	12/40	4°	29.13:24:10	143.4935	1053.81	17-14***95 ♀	61.062	12.9927
90	IKHWANE KASSIM JAWAD	8/18	7°	29.13:26:37	146.0554	1053.666	19-42***10 ♂	60.62	13.1387
91	AMINE MO3TASSIM	5/11	2°	29.13:21:50	140.8846	1052.688	20-02***58 ♂	60.177	13.2847
92	LOFT NABIL SAMLALI	12/40	5°	29.13:24:22	143.4935	1052.262	15-52***06 ♂	59.735	13.4307
93	FRERES MIHFAD	16/36	7°	29.13:24:00	143.0383	1051.752	19-28***58 ♂	59.292	13.5766
94	MOHAMED ZAHRAOUI	11/16	5°	29.13:25:27	144.4335	1050.81	20-03***34 ♂	58.85	13.7226
95	ABOULKASSIM AYOUBE	5/8	3°	29.13:23:25	142.2051	1050.132	19-26***24 ♂	58.407	13.8686
96	LOFT FAMILLE BENHAIMED-FIRASS	21/73	4°	29.13:24:24	143.1811	1049.712	20-00***12	57.965	14.0146
97	LOFT CHERADI AZDINE 01	6/13	5°	29.13:24:47	143.4264	1048.566	20-85***94 ♂	57.522	14.1606
98	LOFT FAMILLE ERRASSIKHI	36/66	20°	29.13:25:51	144.3823	1047.384	21-07***33 ♂	57.08	14.3066
99	LOFT FAMILLE BENHAIMED-FIRASS	21/73	5°	29.13:24:43	143.1811	1047.282	20-00***45	56.637	14.4526

Cls	Nom	Ad/En	C.N	heure	Dist/Km	V(m/min)	Bague	Point	coef
100	LOFT FAMILLE BENHAIMED-FIRASS	21/73	6°	29.13:24:44	143.1811	1047.156	21-00***01	56.195	14.5985
101	IKHWANE MABCHOUR	7/31	3°	29.13:25:06	143.5377	1046.958	19-47***60 ♂	55.752	14.7445
102	LOFT FAMILLE BENHAIMED-FIRASS	21/73	7°	29.13:24:47	143.1811	1046.772	20-00***83	55.31	14.8905
103	LOFT FAMILLE ERRASSIKHI	36/66	21°	29.13:26:05	144.3823	1045.614	21-07***25 ♂	54.867	15.0365
104	LOFT FAMILLE ERRASSIKHI	36/66	22°	29.13:26:06	144.3823	1045.488	21-07***34 ♀	54.425	15.1825
105	IKHWANE MABCHOUR	7/31	4°	29.13:25:20	143.5377	1045.176	19-24***86 ♂	53.982	15.3285
106	LOFT ABDELMOMEN/AYOUP	13/30	9°	29.13:26:12	144.3808	1044.726	21-09***04 ♀	53.54	15.4745
107	LOFT ESSAMAKI ABDELHADI	8/16	4°	29.13:26:39	144.8162	1044.474	19-13***86 ♂	53.097	15.6204
107	LOFT ESSAMAKI ABDELHADI	8/16	5°	29.13:26:39	144.8162	1044.474	17-47***64 ♂	53.097	15.6204
109	MOHAMED ZAHRAOUI	11/16	6°	29.13:26:32	144.4335	1042.59	21-98***38 ♀	52.212	15.9124
110	DOLFE ABDESSAMAD	4/19	1°	29.13:28:08	145.9814	1041.732	19-68***33 ♀	51.77	16.0584
111	LOFT BOUCHAIBE BENCHIHBE ET FILS	11/32	3°	29.13:25:48	143.2106	1039.266	19-43***24 ♂	51.327	16.2044
111	LOFT BOUCHAIBE BENCHIHBE ET FILS	11/32	4°	29.13:25:48	143.2106	1039.266	20-03***08 ♀	51.327	16.2044
111	LOFT BOUCHAIBE BENCHIHBE ET FILS	11/32	5°	29.13:25:48	143.2106	1039.266	19-67***54 ♂	51.327	16.2044
111	LOFT BOUCHAIBE BENCHIHBE ET FILS	11/32	6°	29.13:25:48	143.2106	1039.266	21-02***87 ♂	51.327	16.2044
111	LOFT BOUCHAIBE BENCHIHBE ET FILS	11/32	7°	29.13:25:48	143.2106	1039.266	18-35***28 ♀	51.327	16.2044
116	MOHAMED FARAHIDI	4/22	2°	29.14:18:56	198.166	1037.88	21-93***29 ♀	49.115	16.9343
117	LOFT FAMILLE BENHAIMED-FIRASS	21/73	8°	29.13:25:59	143.1811	1037.67	21-00***05	48.673	17.0803
118	LOFTE SALAH	8/0	2°	29.13:26:20	143.5143	1037.454	18-47***92 ♀	48.23	17.2263
119	TANDIME HAMZA-KHAMIS	13/28	9°	29.13:27:28	144.5966	1036.782	21-09***93 ♂	47.788	17.3723
120	LOFT BOUCHAIBE BENCHIHBE ET FILS	11/32	8°	29.13:26:10	143.2106	1036.506	19-66***50 ♂	47.345	17.5182
121	LOFT NABIL SAMLALI	12/40	6°	29.13:26:28	143.4935	1036.302	19-17***33 ♂	46.903	17.6642
122	LOFT FAMILLE BENHAIMED-FIRASS	21/73	9°	29.13:26:21	143.1811	1034.922	21-05***13	46.46	17.8102
123	LOFT FAMILLE BENHAIMED-FIRASS	21/73	10°	29.13:26:23	143.1811	1034.67	20-00***21	46.018	17.9562
124	LOFTE SALAH	8/0	3°	29.13:26:47	143.5143	1034.088	12-07***74 ♀	45.575	18.1022
125	MOHAMED FARAHIDI	4/22	3°	29.14:19:41	198.166	1033.818	17-16***22 ♀	45.133	18.2482

Cls	Nom	Ad/En	C.N	heure	Dist/Km	V(m/min)	Bague	Point	coef
126	LOFT FAMILLE BENHAIMED-FIRASS	21/73	11°	29.13:26:33	143.1811	1033.428	21-05***40	44.69	18.3942
127	LOFT ESSAMAKI ABDELHADI	8/16	6°	29.13:28:10	144.8162	1033.17	20-53***62 ♂	44.248	18.5401
128	LOFT ANBAOUI 36	2/20	1°	29.13:19:47	136.1029	1032.78	19-64***17 ♀	43.805	18.6861
129	LOFT ABDELMOMEN/AYOUP	13/30	10°	29.13:27:49	144.3808	1032.642	21-09***02 ♂	43.363	18.8321
130	FRERES MIHFAD	16/36	8°	29.13:26:33	143.0383	1032.396	20-31***58 ♂	42.92	18.9781
131	LOFT FAMILLE ERRASSIKHI	36/66	23°	29.13:28:00	144.3823	1031.304	18-22***01 ♂	42.478	19.1241
132	LOFT FAMILLE ERRASSIKHI	36/66	24°	29.13:28:02	144.3823	1031.058	20-02***20 ♀	42.035	19.2701
133	LOFT REDOUANE WLD RB13A	2/7	2°	29.13:20:23	136.4812	1030.956	20-17***15 ♂	41.593	19.4161
134	FRERES MIHFAD	16/36	9°	29.13:26:47	143.0383	1030.662	19-32***58 ♀	41.15	19.562
135	LOFT FAMILLE ERRASSIKHI	36/66	25°	29.13:28:07	144.3823	1030.446	21-07***17 ♀	40.708	19.708
136	LOFTE SALAH	8/0	4°	29.13:27:18	143.5143	1030.254	20-10***45 ♀	40.266	19.854
137	LOFT ABDERAHIM CHIHEB	2/14	1°	29.13:21:13	137.1628	1029.624	21-53***59 ♂	39.823	20
138	IKHWANE EZZAHRAOUI 07	9/21	4°	29.13:28:10	144.2953	1029.456	19-13***26 ♂	39.381	20.146
138	IKHWANE EZZAHRAOUI 07	9/21	5°	29.13:28:10	144.2953	1029.456	19-35***08 ♀	39.381	20.146
140	IKHWANE MABCHOUR	7/31	5°	29.13:27:26	143.5377	1029.438	19-06***89 ♀	38.496	20.438
141	AMINE MO3TASSIM	5/11	3°	29.13:24:52	140.8846	1029.354	19-66***69 ♂	38.053	20.5839
142	IKHWANE EZZAHRAOUI 07	9/21	6°	29.13:28:19	144.2953	1028.352	20-31***17 ♂	37.611	20.7299
143	IKHWANE ERRAGGADI 09	10/14	8°	29.13:28:50	144.7727	1027.974	18-32***88 ♀	37.168	20.8759
144	LOFT ABDELMOMEN/AYOUP	13/30	11°	29.13:28:28	144.3808	1027.866	21-82***21 ♀	36.726	21.0219
145	IKHWANE ERRAGGADI 09	10/14	9°	29.13:29:00	144.7727	1026.756	20-02***12 ♀	36.283	21.1679
146	LOFT ANBAOUI 36	2/20	2°	29.13:20:36	136.1029	1026.42	20-16***94 ♂	35.841	21.3139
147	LOFT ABDELMOMEN/AYOUP	13/30	12°	29.13:28:40	144.3808	1026.402	21-82***16 ♀	35.398	21.4599
148	LOFT FAMILLE ERRASSIKHI	36/66	26°	29.13:28:41	144.3823	1026.294	20-12***04 ♂	34.956	21.6058
149	LOFT FAMILLE ERRASSIKHI	36/66	27°	29.13:28:43	144.3823	1026.048	20-02***22 ♀	34.513	21.7518
150	LOFT FAMILLE ERRASSIKHI	36/66	28°	29.13:28:44	144.3823	1025.928	21-07***15 ♂	34.071	21.8978
151	LOFT FAMILLE ERRASSIKHI	36/66	29°	29.13:28:45	144.3823	1025.808	18-29***17 ♂	33.628	22.0438

Cls	Nom	Ad/En	C.N	heure	Dist/Km	V(m/min)	Bague	Point	coef
152	FRERES MIHFAD	16/36	10°	29.13:27:30	143.0383	1025.364	21-75***06 ♂	33.186	22.1898
153	LOFT FOUAADI	2/0	1°	29.13:27:35	143.1184	1025.328	10-25***30 ♀	32.743	22.3358
154	LOFT FAMILLE ERRASSIKHI	36/66	30°	29.13:28:51	144.3823	1025.076	20-02***61 ♀	32.301	22.4818
155	LOFT FAMILLE ERRASSIKHI	36/66	31°	29.13:28:54	144.3823	1024.716	21-07***37 ♀	31.858	22.6277
156	FRERES MIHFAD	16/36	11°	29.13:27:38	143.0383	1024.386	19-36***12 ♂	31.416	22.7737
157	LOFT NABIL SAMLALI	12/40	7°	29.13:28:06	143.4935	1024.224	19-28***39 ♀	30.974	22.9197
158	ABOULKASSIM AYOUBE	5/8	4°	29.13:26:51	142.2051	1024.164	18-35***73 ♀	30.531	23.0657
159	FRERE RAGHOULI	2/13	1°	29.13:30:46	146.1745	1023.87	21-67***66 ♀	30.089	23.2117
160	MOHAMED ZAHRAOUI	11/16	7°	29.13:29:07	144.4335	1023.504	21-02***09 ♂	29.646	23.3577
161	LOFT FAMILLE ERRASSIKHI	36/66	32°	29.13:29:06	144.3823	1023.264	21-07***23 ♂	29.204	23.5036
162	LOFT NABIL SAMLALI	12/40	8°	29.13:28:21	143.4935	1022.4	19-29***83 ♀	28.761	23.6496
163	ABOULKASSIM AYOUBE	5/8	5°	29.13:27:07	142.2051	1022.202	18-14***91 ♀	28.319	23.7956
164	MOHAMED ZAHRAOUI	11/16	8°	29.13:29:21	144.4335	1021.812	21-28***97 ♀	27.876	23.9416
165	LOFT NABIL SAMLALI	12/40	9°	29.13:28:29	143.4935	1021.428	19-51***22 ♀	27.434	24.0876
166	LOFT FAMILLE BENHAIMED-FIRASS	21/73	12°	29.13:28:15	143.1811	1020.9	20-00***28	26.991	24.2336
167	LOFT ESSAMAKI ABDELHADI	8/16	7°	29.13:29:55	144.8162	1020.432	20-25***42 ♂	26.549	24.3796
168	LOFT FAMILLE BENHAIMED-FIRASS	21/73	13°	29.13:28:19	143.1811	1020.414	18-55***12	26.106	24.5255
169	IKHWANE MABCHOUR	7/31	6°	29.13:28:41	143.5377	1020.288	17-00***56 ♀	25.664	24.6715
170	LOFT FAMILLE BENHAIMED-FIRASS	21/73	14°	29.13:28:22	143.1811	1020.048	21-08***20	25.221	24.8175
171	LOFT NABIL SAMLALI	12/40	10°	29.13:28:48	143.4935	1019.13	17-07***81 ♀	24.779	24.9635
172	DOLFE ABDESSAMAD	4/19	2°	29.13:31:18	145.9814	1018.71	19-60***11 ♂	24.336	25.1095
173	LOFT ESSAMAKI ABDELHADI	8/16	8°	29.13:30:13	144.8162	1018.278	20-25***46 ♀	23.894	25.2555
174	TANDIME HAMZA- KHAMIS	13/28	10°	29.13:30:01	144.5966	1018.164	19-29***44 ♀	23.451	25.4015
174	TANDIME HAMZA- KHAMIS	13/28	11°	29.13:30:01	144.5966	1018.164	21-02***97 ♀	23.451	25.4015
174	IKHWANE KASSIM JAWAD	8/18	8°	29.13:31:27	146.0554	1018.164	21-07***46 ♀	23.451	25.4015
177	LOFT NABIL SAMLALI	12/40	11°	29.13:28:58	143.4935	1017.924	20-25***22 ♀	22.124	25.8394
178	DOLFE ABDESSAMAD	4/19	3°	29.13:31:35	145.9814	1016.7	19-66***82 ♀	21.681	25.9854

Cls	Nom	Ad/En	C.N	heure	Dist/Km	V(m/min)	Bague	Point	coef
179	MOHAMED BOUKHAR GHRAOUDA	4/38	2°	29.13:32:02	146.4364	1016.682	20-49***38 ♂	21.239	26.1314
180	LOFTE SALAH	8/0	5°	29.13:29:16	143.5143	1015.908	19-10***66 ♀	20.797	26.2774
181	MOHAMED BOUKHAR GHRAOUDA	4/38	3°	29.13:32:09	146.4364	1015.86	20-49***31 ♂	20.354	26.4234
182	LOFT BOUCHAIBE BENCHIHBE ET FILS	11/32	9°	29.13:29:00	143.2106	1015.68	19-36***79 ♀	19.912	26.5693
183	IKHWANE MABCHOUR	7/31	7°	29.13:29:20	143.5377	1015.596	19-28***86 ♂	19.469	26.7153
184	MOHAMED BOUKHAR GHRAOUDA	4/38	4°	29.13:32:26	146.4364	1013.868	21-44***83 ♀	19.027	26.8613
185	FRERES MIHFAD	16/36	12°	29.13:29:06	143.0383	1013.736	19-26***58 ♂	18.584	27.0073
186	FRERES MIHFAD	16/36	13°	29.13:29:13	143.0383	1012.902	21-75***13 ♀	18.142	27.1533
187	IKHWANE EZZAHRAOUI 07	9/21	7°	29.13:30:32	144.2953	1012.362	19-03***11 ♂	17.699	27.2993
188	LOFT ABDERAHIM CHIHEB	2/14	2°	29.13:23:36	137.1628	1011.522	21-11***67 ♂	17.257	27.4453
189	MOHAMED ZAHRAOUI	11/16	9°	29.13:30:48	144.4335	1011.438	20-07***24 ♀	16.814	27.5912
190	LOFT FAMILLE BENHAÏMED-FIRASS	21/73	15°	29.13:29:35	143.1811	1011.282	21-09***67	16.372	27.7372
191	FRERES MIHFAD	16/36	14°	29.13:29:28	143.0383	1011.108	21-35***91 ♂	15.929	27.8832
192	LOFT BOUCHAIBE BENCHIHBE ET FILS	11/32	10°	29.13:29:47	143.2106	1010.064	19-08***25 ♂	15.487	28.0292
193	LOFT SALAH ABOULKASSIM	1/0	1°	29.13:27:09	140.4384	1009.26	19-76***67 ♀	15.044	28.1752
194	MOHAMED FARAHIDI	4/22	4°	29.14:24:41	198.166	1007.538	21-93***28 ♀	14.602	28.3212
195	IKHWANE EZZAHRAOUI 07	9/21	8°	29.13:31:14	144.2953	1007.412	20-31***35 ♂	14.159	28.4672
196	IKHWANE ERRAGGADI 09	10/14	10°	29.13:31:47	144.7727	1006.878	19-29***48 ♂	13.717	28.6131
197	MOHAMED ZAHRAOUI	11/16	10°	29.13:31:29	144.4335	1006.62	21-02***01 ♂	13.274	28.7591
198	FRERES MIHFAD	16/36	15°	29.13:30:06	143.0383	1006.602	21-75***56 ♂	12.832	28.9051
199	LOFTE HAMZA	2/22	2°	29.13:30:28	143.3596	1006.266	19-08***54 ♂	12.389	29.0511
200	TANDIME HAMZA-KHAMIS	13/28	12°	29.13:31:45	144.5966	1005.888	21-07***93 ♂	11.947	29.1971
201	LOFT FAMILLE BENHAÏMED-FIRASS	21/73	16°	29.13:30:26	143.1811	1005.252	18-63***15	11.504	29.3431
202	FRERES MIHFAD	16/36	16°	29.13:30:26	143.0383	1004.25	21-75***14 ♂	11.062	29.4891
203	LOFT BOUCHAIBE BENCHIHBE ET FILS	11/32	11°	29.13:30:37	143.2106	1004.166	19-67***46 ♂	10.62	29.635
204	IKHWANE EZZAHRAOUI 07	9/21	9°	29.13:31:44	144.2953	1003.908	20-31***31 ♂	10.177	29.781
205	LOFTE SALAH	8/0	6°	29.13:31:03	143.5143	1003.248	19-02***84 ♀	9.735	29.927

Cls	Nom	Ad/En	C.N	heure	Dist/Km	V(m/min)	Bague	Point	coef
206	LOFT FAMILLE ERRASSIKHI	36/66	33°	29.13:32:00	144.3823	1002.654	21-07***12 ♂	9.292	30.073
207	LOFT FAMILLE ERRASSIKHI	36/66	34°	29.13:32:01	144.3823	1002.54	21-98***33 ♀	8.85	30.219
208	LOFT FAMILLE BENHAIMED-FIRASS	21/73	17°	29.13:30:51	143.1811	1002.318	19-67***23	8.407	30.365
209	TANDIME HAMZA- KHAMIS	13/28	13°	29.13:32:16	144.5966	1002.288	21-07***90 ♀	7.965	30.5109
210	LOFT FAMILLE BENHAIMED-FIRASS	21/73	18°	29.13:30:56	143.1811	1001.736	19-67***63	7.522	30.6569
211	LOFT NABIL SAMLALI	12/40	12°	29.13:31:18	143.4935	1001.352	20-31***84 ♀	7.08	30.8029
212	LOFTE SALAH	8/0	7°	29.13:31:20	143.5143	1001.262	19-02***53 ♀	6.637	30.9489
213	LOFT FAMILLE BENHAIMED-FIRASS	21/73	19°	29.13:31:03	143.1811	1000.914	21-05***38	6.195	31.0949
214	LOFT FAMILLE ERRASSIKHI	36/66	35°	29.13:32:16	144.3823	1000.8	21-07***09 ♂	5.752	31.2409
215	LOFT FAMILLE BENHAIMED-FIRASS	21/73	20°	29.13:31:05	143.1811	1000.68	21-08***23	5.31	31.3869
216	LOFT FAMILLE ERRASSIKHI	36/66	36°	29.13:32:19	144.3823	1000.452	21-07***03 ♀	4.867	31.5328
217	LOFTE SALAH	8/0	8°	29.13:31:35	143.5143	999.522	17-66***20 ♀	4.425	31.6788
218	LOFT CHERADI AZDINE 01	6/13	6°	29.13:31:30	143.4264	999.486	19-29***67 ♀	3.982	31.8248
219	AMINE MO3TASSIM	5/11	4°	29.13:29:01	140.8846	999.066	21-82***33 ♂	3.54	31.9708
219	AMINE MO3TASSIM	5/11	5°	29.13:29:01	140.8846	999.066	21-82***29 ♀	3.54	31.9708
221	LOFT FAMILLE BENHAIMED-FIRASS	21/73	21°	29.13:31:21	143.1811	998.82	21-05***19	2.655	32.2628
222	LOFT ABDELMOMEN/AYOUP	13/30	13°	29.13:32:47	144.3808	997.218	21-09***20 ♂	2.212	32.4088
223	MOHAMED ZAHRAOUI	11/16	11°	29.13:32:57	144.4335	996.438	21-02***04 ♂	1.77	32.5547
224	LOFT FOUAADI	2/0	2°	29.13:31:38	143.1184	996.414	17-08***65 ♀	1.327	32.7007
225	DOLFE ABDESSAMAD	4/19	4°	29.13:34:33	145.9814	996.12	21-48***06 ♀	0.885	32.8467
226	FRERE RAGHOULI	2/13	2°	29.13:34:45	146.1745	996.078	21-82***29 ♂	0.443	32.9927
227	LOFT ANBAOUI 36	2/20	3°	29.13:24:41	136.1029	995.754	20-30***00 ♀	0	33.1387
228	IKHWANE MABCHOUR	7/31	8°	29.13:32:12	143.5377	995.406	20-04***74 ♂	-0.443	33.2847
229	LOFTE SALAH	8/0	9°	29.13:32:14	143.5143	995.016	17-22***80 ♀	-0.885	33.4307
230	TANDIME HAMZA- KHAMIS	13/28	14°	29.13:33:23	144.5966	994.59	19-05***78 ♂	-1.327	33.5766
230	TANDIME HAMZA- KHAMIS	13/28	15°	29.13:33:23	144.5966	994.59	21-02***92 ♀	-1.327	33.5766
232	LOFT ABDELMOMEN/AYOUP	13/30	14°	29.13:33:12	144.3808	994.356	21-82***06 ♂	-2.212	33.8686

Cls	Nom	Ad/En	C.N	heure	Dist/Km	V(m/min)	Bague	Point	coef
233	LOFT ANBAOUI 36	2/20	4°	29.13:24:53	136.1029	994.296	21-36***23 ♀	-2.655	34.0146
234	LOFTE HAMZA	2/22	3°	29.13:32:16	143.3596	993.714	19-08***99 ♂	-3.097	34.1606
235	LOFT FAMILLE BENHAIMED-FIRASS	21/73	22°	29.13:32:11	143.1811	993.048	21-00***04	-3.54	34.3066
236	LOFTE HAMZA	2/22	4°	29.13:32:24	143.3596	992.796	21-02***49 ♂	-3.982	34.4526
237	LOFT FAMILLE BENHAIMED-FIRASS	21/73	23°	29.13:32:15	143.1811	992.592	20-00***17	-4.425	34.5985
238	LOFT ABDELMOMEN/AYOUP	13/30	15°	29.13:33:32	144.3808	992.082	21-09***13 ♂	-4.867	34.7445
239	LOFT BOUCHAIBE BENCHIHBE ET FILS	11/32	12°	29.13:32:25	143.2106	991.65	20-29***21 ♀	-5.31	34.8905
239	LOFT BOUCHAIBE BENCHIHBE ET FILS	11/32	13°	29.13:32:25	143.2106	991.65	19-28***72 ♀	-5.31	34.8905
241	HNICH JONOD ELKHAFAA	2/19	3°	29.13:32:50	143.5143	990.894	21-09***27 ♂	-6.195	35.1825
242	IKHWANE ERRAGGADI 09	10/14	11°	29.13:34:09	144.7727	990.576	21-06***89 ♀	-6.637	35.3285
243	TANDIS YOUSSEF/ACHRAF	0/11	1°	29.13:26:29	137.1628	990.462	20-30***45 ♂	-7.08	35.4745
244	LOFT NABIL SAMLALI	12/40	13°	29.13:32:54	143.4935	990.294	21-25***21 ♀	-7.522	35.6204
245	LOFT ANBAOUI 36	2/20	5°	29.13:25:28	136.1029	990.078	20-25***32 ♀	-7.965	35.7664
246	LOFT NABIL SAMLALI	12/40	14°	29.13:33:11	143.4935	988.362	20-25***26 ♂	-8.407	35.9124
247	HNICH JONOD ELKHAFAA	2/19	4°	29.13:33:14	143.5143	988.164	17-55***06 ♂	-8.85	36.0584
248	LOFT REDOUANE WLD RBI3A	2/7	3°	29.13:26:07	136.4812	988.158	20-18***45 ♀	-9.292	36.2044
249	AMINE MO3TASSIM	5/11	6°	29.13:30:35	140.8846	988.086	20-12***87 ♂	-9.735	36.3504
250	FRERES MIHFAD	16/36	17°	29.13:32:48	143.0383	987.834	19-28***65 ♂	-10.177	36.4964
251	LOFT SALAH ABOULKASSIM	1/0	2°	29.13:30:14	140.4384	987.378	21-06***23 ♂	-10.62	36.6423
252	IKHWANE KASSIM JAWAD	8/18	9°	29.13:36:03	146.0554	986.526	21-07***56 ♀	-11.062	36.7883
253	LOFT NABIL SAMLALI	12/40	15°	29.13:33:29	143.4935	986.322	19-52***68 ♀	-11.504	36.9343
254	LOFTE HAMZA	2/22	5°	29.13:33:26	143.3596	985.74	19-54***75 ♂	-11.947	37.0803
255	LOFT SALAH ABOULKASSIM	1/0	3°	29.13:30:29	140.4384	985.65	21-11***80 ♂	-12.389	37.2263
256	TANDIME HAMZA- KHAMIS	13/28	16°	29.13:34:45	144.5966	985.326	19-29***36 ♂	-12.832	37.3723
256	TANDIME HAMZA- KHAMIS	13/28	17°	29.13:34:45	144.5966	985.326	21-09***92 ♂	-12.832	37.3723
258	LOFT ANBAOUI 36	2/20	6°	29.13:26:09	136.1029	985.182	21-71***64 ♂	-13.717	37.6642
259	LOFT ESSAMAKI ABDELHADI	8/16	9°	29.13:35:02	144.8162	984.918	17-04***02 ♂	-14.159	37.8102

Cls	Nom	Ad/En	C.N	heure	Dist/Km	V(m/min)	Bague	Point	coef
259	LOFT ESSAMAKI ABDELHADI	8/16	10°	29.13:35:02	144.8162	984.918	16-05***65 ♀	-14.159	37.8102
261	MOHAMED FARAHIDI	4/22	5°	29.14:29:22	198.166	984.108	21-50***22 ♀	-15.044	38.1022
262	LOFT NABIL SAMLALI	12/40	16°	29.13:33:49	143.4935	984.066	19-39***83 ♀	-15.487	38.2482
263	MOHAMED BOUKHAR GHRAOUDA	4/38	5°	29.13:36:53	146.4364	983.562	20-49***32 ♀	-15.929	38.3942
263	MOHAMED BOUKHAR GHRAOUDA	4/38	6°	29.13:36:53	146.4364	983.562	19-46***20 ♂	-15.929	38.3942
265	MOHAMED ZAHRAOUI	11/16	12°	29.13:34:53	144.4335	983.322	21-02***13 ♀	-16.814	38.6861
266	LOFT BOUCHAIBE BENCHIHBE ET FILS	11/32	14°	29.13:33:39	143.2106	983.25	21-82***57 ♀	-17.257	38.8321
267	MOHAMED FARAHIDI	4/22	6°	29.14:29:36	198.166	982.968	21-09***73 ♀	-17.699	38.9781
268	LOFTE HAMZA	2/22	6°	29.13:34:03	143.3596	981.582	19-79***44 ♀	-18.142	39.1241
269	SIMO RAJA ZOHAIR	0/6	1°	29.13:36:02	145.2687	981.324	17-28***86 ♀	-18.584	39.2701
270	LOFT FAMILLE BENHAIMED-FIRASS	21/73	24°	29.13:33:58	143.1811	980.916	20-00***60	-19.027	39.4161
271	IKHWANE KASSIM JAWAD	8/18	10°	29.13:36:57	146.0554	980.568	16-00***85 ♀	-19.469	39.562
272	LOFT FAMILLE ERRASSIKHI	36/66	37°	29.13:35:19	144.3823	980.082	20-02***11 ♂	-19.912	39.708
273	LOFT ABDELMOMEN/AYOUP	13/30	16°	29.13:35:27	144.3808	979.182	20-41***39 ♀	-20.354	39.854
273	LOFT ABDELMOMEN/AYOUP	13/30	17°	29.13:35:27	144.3808	979.182	18-38***19 ♂	-20.354	39.854
275	LOFT NABIL SAMLALI	12/40	17°	29.13:34:34	143.4935	979.032	21-75***78 ♀	-21.239	40.146
276	LOFT ANBAOUI 36	2/20	7°	29.13:27:02	136.1029	978.924	21-36***17 ♂	-21.681	40.292
277	LOFT NABIL SAMLALI	12/40	18°	29.13:34:44	143.4935	977.922	19-03***89 ♀	-22.124	40.438
278	LOFTE SALAH	8/0	10°	29.13:34:47	143.5143	977.73	21-02***64 ♀	-22.566	40.5839
279	LOFT FAMILLE BENHAIMED-FIRASS	21/73	25°	29.13:34:33	143.1811	977.01	20-00***48	-23.009	40.7299
280	ABOULKASSIM AYOUBE	5/8	6°	29.13:33:37	142.2051	976.572	19-26***21 ♂	-23.451	40.8759
281	DOLFE ABDESSAMAD	4/19	5°	29.13:37:30	145.9814	976.464	19-49***04 ♂	-23.894	41.0219
282	LOFT FAMILLE BENHAIMED-FIRASS	21/73	26°	29.13:34:41	143.1811	976.122	20-00***57	-24.336	41.1679
283	LOFT FAMILLE BENHAIMED-FIRASS	21/73	27°	29.13:34:42	143.1811	976.014	21-05***37	-24.779	41.3139
284	LOFT NABIL SAMLALI	12/40	19°	29.13:35:02	143.4935	975.924	20-03***85 ♂	-25.221	41.4599
285	LOFT BOUCHAIBE BENCHIHBE ET FILS	11/32	15°	29.13:34:45	143.2106	975.882	20-03***72 ♂	-25.664	41.6058
286	LOFT FAMILLE BENHAIMED-FIRASS	21/73	28°	29.13:34:45	143.1811	975.678	21-00***07	-26.106	41.7518

Cls	Nom	Ad/En	C.N	heure	Dist/Km	V(m/min)	Bague	Point	coef
287	LOFT FAMILLE BENHAIMED-FIRASS	21/73	29°	29.13:34:48	143.1811	975.348	21-05***26	-26.549	41.8978
288	DOLFE ABDESSAMAD	4/19	6°	29.13:37:48	145.9814	974.508	17-07***14 ♀	-26.991	42.0438
289	LOFTE SALAH	8/0	11°	29.13:35:21	143.5143	973.968	21-06***74 ♀	-27.434	42.1898
290	LOFT FAMILLE ERRASSIKHI	36/66	38°	29.13:36:20	144.3823	973.362	20-02***24 ♀	-27.876	42.3358
291	LOFT FAMILLE BENHAIMED-FIRASS	21/73	30°	29.13:35:09	143.1811	973.026	20-00***67	-28.319	42.4818
292	LOFT ANBAOUI 36	2/20	8°	29.13:27:57	136.1029	972.51	18-66***76 ♀	-28.761	42.6277
293	MOHAMED FARAHIDI	4/22	7°	29.14:31:53	198.166	971.958	21-50***26 ♂	-29.204	42.7737
294	IKHWANE EZZAHRAOUI 07	9/21	10°	29.13:36:36	144.2953	971.034	19-99***52 ♀	-29.646	42.9197
295	LOFTE SALAH	8/0	12°	29.13:35:50	143.5143	970.782	19-39***79 ♀	-30.089	43.0657
296	LOFT FAMILLE BENHAIMED-FIRASS	21/73	31°	29.13:35:32	143.1811	970.5	21-05***14	-30.531	43.2117
297	IKHWANE KASSIM JAWAD	8/18	11°	29.13:38:34	146.0554	970.038	21-07***63 ♂	-30.974	43.3577
298	LOFT BOUCHAIBE BENCHIHBE ET FILS	11/32	16°	29.13:35:43	143.2106	969.498	19-62***11 ♂	-31.416	43.5036
299	LOFT FAMILLE BENHAIMED-FIRASS	21/73	32°	29.13:35:49	143.1811	968.64	21-08***08	-31.858	43.6496
300	LOFT FAMILLE BENHAIMED-FIRASS	21/73	33°	29.13:35:52	143.1811	968.31	20-00***30	-32.301	43.7956
301	FRERES MIHFAD	16/36	18°	29.13:35:46	143.0383	968.004	19-28***71 ♂	-32.743	43.9416
302	IKHWANE MABCHOUR	7/31	9°	29.13:36:18	143.5377	967.89	21-06***83 ♂	-33.186	44.0876
303	LOFT NABIL SAMLALI	12/40	20°	29.13:36:17	143.4935	967.698	19-04***30 ♂	-33.628	44.2336
304	TANDIME HAMZA-KHAMIS	13/28	18°	29.13:37:37	144.5966	966.444	21-02***91 ♀	-34.071	44.3796
305	LOFT ARMIL	0/10	1°	29.13:28:52	136.1029	966.18	20-14***70 ♂	-34.513	44.5255
306	LOFT BOUCHAIBE BENCHIHBE ET FILS	11/32	17°	29.13:36:23	143.2106	965.142	18-47***87 ♂	-34.956	44.6715
307	IKHWANE MABCHOUR	7/31	10°	29.13:36:46	143.5377	964.848	19-24***84 ♀	-35.398	44.8175
308	FRERES MIHFAD	16/36	19°	29.13:36:18	143.0383	964.518	17-05***98 ♂	-35.841	44.9635
308	LOFTE HAMZA	2/22	7°	29.13:36:38	143.3596	964.518	19-08***50 ♀	-35.841	44.9635
310	LOFT FAMILLE BENHAIMED-FIRASS	21/73	34°	29.13:36:27	143.1811	964.506	17-15***39	-36.726	45.2555
311	LOFT ABDERAHIM CHIHEB	2/14	3°	29.13:30:20	137.1628	963.672	19-07***13 ♀	-37.168	45.4015
312	LOFT NABIL SAMLALI	12/40	21°	29.13:36:56	143.4935	963.474	19-28***62 ♂	-37.611	45.5474
313	LOFT ESSAMAKI ABDELHADI	8/16	11°	29.13:38:22	144.8162	963.09	17-10***06 ♂	-38.053	45.6934

Cls	Nom	Ad/En	C.N	heure	Dist/Km	V(m/min)	Bague	Point	coef
314	LOFT FAMILLE BENHAIMED-FIRASS	21/73	35°	29.13:36:46	143.1811	962.454	21-08***19	-38.496	45.8394
315	MOHAMED BOUKHAR GHRAOUDA	4/38	7°	29.13:40:09	146.4364	962.448	17-39***50 ♂	-38.938	45.9854
316	LOFT FAMILLE BENHAIMED-FIRASS	21/73	36°	29.13:36:48	143.1811	962.238	21-08***42	-39.381	46.1314
317	LOFT ABDERAHIM CHIHEB	2/14	4°	29.13:30:44	137.1628	960.972	20-25***25 ♀	-39.823	46.2774
318	LOFT NABIL SAMLALI	12/40	22°	29.13:37:35	143.4935	959.286	15-07***95 ♀	-40.266	46.4234
319	LOFT FAMILLE ERRASSIKHI	36/66	39°	29.13:38:31	144.3823	959.244	21-09***07 ♀	-40.708	46.5693
320	LOFT NABIL SAMLALI	12/40	23°	29.13:37:43	143.4935	958.434	19-17***38 ♀	-41.15	46.7153
321	HNICH JONOD ELKHAFAA	2/19	5°	29.13:37:51	143.5143	957.72	19-08***68 ♂	-41.593	46.8613
322	DOLFE ABDESSAMAD	4/19	7°	29.13:40:26	145.9814	957.672	20-76***90 ♂	-42.035	47.0073
323	LOFT ABDELMOMEN/AYOUP	13/30	18°	29.13:38:58	144.3808	956.376	21-98***31 ♀	-42.478	47.1533
324	LOFT BOUCHAIBE BENCHIHBE ET FILS	11/32	18°	29.13:37:45	143.2106	956.334	17-65***06 ♀	-42.92	47.2993
325	LOFT REDOUANE WLD RBIZA	2/7	4°	29.13:30:43	136.4812	956.31	21-38***26 ♂	-43.363	47.4453
326	HNICH JONOD ELKHAFAA	2/19	6°	29.13:38:14	143.5143	955.278	21-09***22 ♀	-43.805	47.5912
327	LOFT BOUCHAIBE BENCHIHBE ET FILS	11/32	19°	29.13:37:55	143.2106	955.266	19-28***48 ♀	-44.248	47.7372
328	LOFT ABDELMOMEN/AYOUP	13/30	19°	29.13:39:09	144.3808	955.218	21-02***07 ♂	-44.69	47.8832
329	LOFT NABIL SAMLALI	12/40	24°	29.13:38:16	143.4935	954.924	19-37***86 ♀	-45.133	48.0292
330	LOFTE SALAH	8/0	13°	29.13:38:23	143.5143	954.324	18-47***85 ♀	-45.575	48.1752
331	LOFT ABDERAHIM CHIHEB	2/14	5°	29.13:31:48	137.1628	953.844	20-02***93 ♀	-46.018	48.3212
332	LOFT BOUCHAIBE BENCHIHBE ET FILS	11/32	20°	29.13:38:12	143.2106	953.466	14-97***61 ♀	-46.46	48.4672
333	HNICH JONOD ELKHAFAA	2/19	7°	29.13:38:35	143.5143	953.058	19-08***72 ♀	-46.903	48.6131
334	IKHWANE EZZAHRAOUI 07	9/21	11°	29.13:39:26	144.2953	952.866	19-29***82 ♀	-47.345	48.7591
335	LOFT NABIL SAMLALI	12/40	25°	29.13:38:36	143.4935	952.812	21-82***87 ♂	-47.788	48.9051
336	MOHSSINE MEZOUARI	0/12	1°	29.13:35:58	140.9637	952.674	20-31***63 ♂	-48.23	49.0511
337	LOFTE SALAH	8/0	14°	29.13:38:43	143.5143	952.212	19-17***10 ♀	-48.673	49.1971
338	LOFT ABDELMOMEN/AYOUP	13/30	20°	29.13:39:40	144.3808	951.96	20-44***76 ♀	-49.115	49.3431
338	LOFT ABDELMOMEN/AYOUP	13/30	21°	29.13:39:40	144.3808	951.96	21-82***26 ♀	-49.115	49.3431

Cls	Nom	Ad/En	C.N	heure	Dist/Km	V(m/min)	Bague	Point	coef
340	LOFT BOUCHAIBE BENCHIHBE ET FILS	11/32	21°	29.13:38:30	143.2106	951.564	17-04***77 ♂	-50	49.635
341	LOFT NABIL SAMLALI	12/40	26°	29.13:38:51	143.4935	951.234	18-31***74 ♂	-50.443	49.781
342	LOFT FAMILLE BENHAIMED-FIRASS	21/73	37°	29.13:38:43	143.1811	950.004	20-00***75	-50.885	49.927
343	LOFTE SALAH	8/0	15°	29.13:39:07	143.5143	949.692	21-02***63 ♀	-51.327	50.073
344	MOHAMED FARAHIDI	4/22	8°	29.14:37:00	198.166	948.162	21-43***82 ♂	-51.77	50.219
345	FRERE RAGHOULI	2/13	3°	29.13:42:14	146.1745	947.748	21-67***76 ♂	-52.212	50.365
346	IKHWANE MABCHOUR	7/31	11°	29.13:39:29	143.5377	947.55	20-04***78 ♀	-52.655	50.5109
347	MOHAMED BOUKHAR GHRAOUDA	4/38	8°	29.13:42:34	146.4364	947.4	20-49***93 ♀	-53.097	50.6569
348	DOLFE ABDESSAMAD	4/19	8°	29.13:42:21	145.9814	945.78	19-39***58 ♀	-53.54	50.8029
349	LOFT NABIL SAMLALI	12/40	27°	29.13:39:48	143.4935	945.282	19-28***88 ♂	-53.982	50.9489
350	TANDIME HAMZA- KHAMIS	13/28	19°	29.13:41:09	144.5966	944.148	21-02***96 ♂	-54.425	51.0949
351	LOFT BOUCHAIBE BENCHIHBE ET FILS	11/32	22°	29.13:39:44	143.2106	943.83	15-04***68 ♀	-54.867	51.2409
352	LOFT ANBAOUI 36	2/20	9°	29.13:32:16	136.1029	943.41	21-71***67 ♀	-55.31	51.3869
353	LOFT ANBAOUI 36	2/20	10°	29.13:32:25	136.1029	942.432	19-88***93 ♂	-55.752	51.5328
354	LOFT NABIL SAMLALI	12/40	28°	29.13:40:17	143.4935	942.282	15-06***72 ♂	-56.195	51.6788
355	LOFT M3AYTTI	0/14	1°	29.13:40:55	143.9997	941.688	19-91***95 ♂	-56.637	51.8248
355	LOFT M3AYTTI	0/14	2°	29.13:40:55	143.9997	941.688	19-12***02 ♀	-56.637	51.8248
357	LOFT NABIL SAMLALI	12/40	29°	29.13:40:41	143.4935	939.81	20-25***99 ♀	-57.522	52.1168
358	IKHWANE EZZAHRAOUI 07	9/21	12°	29.13:41:40	144.2953	939.012	21-09***69 ♀	-57.965	52.2628
359	LOFT FAMILLE BENHAIMED-FIRASS	21/73	38°	29.13:40:37	143.1811	938.172	21-05***07	-58.407	52.4088
360	LOFT NABIL SAMLALI	12/40	30°	29.13:40:58	143.4935	938.07	21-75***75 ♀	-58.85	52.5547
361	ABOULKASSIM AYOUBE	5/8	7°	29.13:39:43	142.2051	937.308	19-01***21 ♀	-59.292	52.7007
362	LOFT FAMILLE BENHAIMED-FIRASS	21/73	39°	29.13:40:46	143.1811	937.254	20-00***82	-59.735	52.8467
363	LOFT CHERADI AZDINE 01	6/13	7°	29.13:41:13	143.4264	936.102	19-19***28 ♀	-60.177	52.9927
364	HNICH JONOD ELKHAFAA	2/19	8°	29.13:41:46	143.5143	933.324	19-08***86 ♀	-60.62	53.1387
364	LOFTE SALAH	8/0	16°	29.13:41:46	143.5143	933.324	19-87***07 ♀	-60.62	53.1387
366	LOFT NABIL SAMLALI	12/40	31°	29.13:41:48	143.4935	932.988	20-25***25 ♀	-61.504	53.4307
367	MOHAMED FARAHIDI	4/22	9°	29.14:40:27	198.166	932.766	21-50***34 ♂	-61.947	53.5766

Cls	Nom	Ad/En	C.N	heure	Dist/Km	V(m/min)	Bague	Point	coef
368	LOFTE SALAH	8/0	17°	29.13:41:55	143.5143	932.418	19-02***83 ♀	-62.389	53.7226
369	LOFT NABIL SAMLALI	12/40	32°	29.13:42:09	143.4935	930.87	19-51***56 ♂	-62.832	53.8686
370	HNICH JONOD ELKHAFAA	2/19	9°	29.13:42:16	143.5143	930.3	20-85***95 ♀	-63.274	54.0146
371	TANDIS YOUSSEF/ACHRAF	0/11	2°	29.13:35:30	137.1628	929.916	21-46***57	-63.717	54.1606
372	MOHSSINE MEZOUARI	0/12	2°	29.13:39:38	140.9637	929.634	19-74***71 ♀	-64.159	54.3066
373	HNICH JONOD ELKHAFAA	2/19	10°	29.13:42:26	143.5143	929.298	20-37***1♀	-64.602	54.4526
374	IKHWANE MABCHOUR	7/31	12°	29.13:42:29	143.5377	929.148	19-13***62 ♂	-65.044	54.5985
375	IKHWANE KASSIM JAWAD	8/18	12°	29.13:45:19	146.0554	928.416	19-36***14 ♀	-65.487	54.7445
375	LOFT SALAH ABOULKASSIM	1/0	4°	29.13:39:16	140.4384	928.416	21-06***17 ♀	-65.487	54.7445
377	LOFT SALAH ABOULKASSIM	1/0	5°	29.13:39:24	140.4384	927.6	21-06***13 ♀	-66.372	55.0365
378	LOFT ABDELMOMEN/AYOUP	13/30	22°	29.13:43:40	144.3808	927.498	21-82***12 ♀	-66.814	55.1825
379	MOHAMED BOUKHAR GHRAOUDA	4/38	9°	29.13:46:05	146.4364	926.322	20-49***43 ♂	-67.257	55.3285
379	MOHAMED BOUKHAR GHRAOUDA	4/38	10°	29.13:46:05	146.4364	926.322	19-98***03 ♀	-67.257	55.3285
381	LOFT BOUCHAIBE BENCHIHBE ET FILS	11/32	23°	29.13:42:41	143.2106	925.83	17-49***51 ♂	-68.142	55.6204
382	HNICH JONOD ELKHAFAA	2/19	11°	29.13:43:04	143.5143	925.5	20-03***38 ♂	-68.584	55.7664
383	MOHAMED BOUKHAR GHRAOUDA	4/38	11°	29.13:46:14	146.4364	925.446	09-17***13 ♀	-69.027	55.9124
384	IKHWANE MABCHOUR	7/31	13°	29.13:43:11	143.5377	924.954	19-28***10 ♂	-69.469	56.0584
385	LOFT BOUCHAIBE BENCHIHBE ET FILS	11/32	24°	29.13:42:58	143.2106	924.138	19-42***01 ♀	-69.912	56.2044
386	MOHAMED BOUKHAR GHRAOUDA	4/38	12°	29.13:46:30	146.4364	923.886	21-11***89 ♀	-70.354	56.3504
387	LOFT NABIL SAMLALI	12/40	33°	29.13:43:23	143.4935	923.478	19-28***36 ♀	-70.797	56.4964
388	MOHSSINE MEZOUARI	0/12	3°	29.13:41:06	140.9637	920.73	19-93***16 ♂	-71.239	56.6423
389	DOLFE ABDESSAMAD	4/19	9°	29.13:46:37	145.9814	920.34	16-00***62 ♀	-71.681	56.7883
390	AMINE MO3TASSIM	5/11	7°	29.13:41:20	140.8846	918.81	19-14***20 ♂	-72.124	56.9343
391	LOFT FAMILLE BENHAIMED-FIRASS	21/73	40°	29.13:43:54	143.1811	918.414	20-23***88	-72.566	57.0803
392	DOLFE ABDESSAMAD	4/19	10°	29.13:46:58	145.9814	918.312	15-07***25 ♂	-73.009	57.2263
393	LOFT NABIL SAMLALI	12/40	34°	29.13:44:16	143.4935	918.258	18-10***15 ♂	-73.451	57.3723
394	LOFT FAMILLE BENHAIMED-FIRASS	21/73	41°	29.13:43:57	143.1811	918.12	21-05***10	-73.894	57.5182

Cls	Nom	Ad/En	C.N	heure	Dist/Km	V(m/min)	Bague	Point	coef
395	MOHSSINE MEZOUARI	0/12	4°	29.13:41:36	140.9637	917.73	21-06***12 ♀	-74.336	57.6642
396	LOFT FAMILLE ERRASSIKHI	36/66	40°	29.13:45:27	144.3823	917.004	20-02***30 ♂	-74.779	57.8102
397	LOFT ANBAOUI 36	2/20	11°	29.13:36:29	136.1029	916.62	20-25***37 ♂	-75.221	57.9562
398	IKHWANE MABCHOUR	7/31	14°	29.13:44:37	143.5377	916.488	19-47***55 ♂	-75.664	58.1022
399	MOHAMED FARAHIDI	4/22	10°	29.14:44:16	198.166	916.302	21-50***07 ♂	-76.106	58.2482
400	LOFT NABIL SAMLALI	12/40	35°	29.13:44:45	143.4935	915.426	21-75***68 ♀	-76.549	58.3942
401	LOFT ARMIL	0/10	2°	29.13:36:45	136.1029	914.976	21-35***61 ♂	-76.991	58.5401
402	LOFT CHERADI AZDINE 01	6/13	8°	29.13:44:53	143.4264	914.226	15-03***89 ♀	-77.434	58.6861
403	LOFT ABDERAHIM CHIEB	2/14	6°	29.13:38:03	137.1628	914.112	21-11***68 ♂	-77.876	58.8321
404	LOFT NABIL SAMLALI	12/40	36°	29.13:45:17	143.4935	912.324	19-39***82 ♂	-78.319	58.9781
405	LOFT FAMILLE BENHAÏMED-FIRASS	21/73	42°	29.13:45:01	143.1811	911.886	21-05***46	-78.761	59.1241
406	IKHWANE MABCHOUR	7/31	15°	29.13:45:59	143.5377	908.562	16-01***89 ♀	-79.204	59.2701
407	MOHSSINE MEZOUARI	0/12	5°	29.13:43:11	140.9637	908.37	20-41***42 ♀	-79.646	59.4161
408	LOFT NABIL SAMLALI	12/40	37°	29.13:46:03	143.4935	907.902	20-48***20 ♂	-80.089	59.562
409	LOFT ANBAOUI 36	2/20	12°	29.13:38:01	136.1029	907.254	20-25***36 ♀	-80.531	59.708
410	LOFT ARMIL	0/10	3°	29.13:38:02	136.1029	907.152	21-36***37 ♂	-80.974	59.854
411	FRERE RAGHOULI	2/13	4°	29.13:49:16	146.1745	906.414	21-47***20 ♂	-81.416	60
412	LOFT CHERADI AZDINE 01	6/13	9°	29.13:46:17	143.4264	906.138	19-29***66 ♀	-81.858	60.146
413	MOHAMED FARAHIDI	4/22	11°	29.14:46:59	198.166	904.938	21-21***53 ♂	-82.301	60.292
414	IKHWANE EZZAHRAOUI 07	9/21	13°	29.13:47:35	144.2953	904.2	21-09***68 ♀	-82.743	60.438
415	LOFT ABDERAHIM CHIEB	2/14	7°	29.13:39:43	137.1628	904.074	20-44***10 ♂	-83.186	60.5839
416	LOFT NABIL SAMLALI	12/40	38°	29.13:46:48	143.4935	903.612	17-03***78 ♀	-83.628	60.7299
417	FRERE RAGHOULI	2/13	5°	29.13:50:00	146.1745	902.31	21-67***61 ♀	-84.071	60.8759
418	LOFT FAMILLE ERRASSIKHI	36/66	41°	29.13:48:22	144.3823	900.324	21-07***06 ♂	-84.513	61.0219
419	MOHAMED BOUKHAR GHRAOUDA	4/38	13°	29.13:50:43	146.4364	899.946	20-11***16 ♀	-84.956	61.1679
419	MOHAMED BOUKHAR GHRAOUDA	4/38	14°	29.13:50:43	146.4364	899.946	19-40***95 ♂	-84.956	61.1679
421	LOFT FAMILLE ERRASSIKHI	36/66	42°	29.13:48:27	144.3823	899.856	21-07***04 ♂	-85.841	61.4599
422	LOFT NABIL SAMLALI	12/40	39°	29.13:47:47	143.4935	898.05	20-04***67 ♀	-86.283	61.6058

Cls	Nom	Ad/En	C.N	heure	Dist/Km	V(m/min)	Bague	Point	coef
423	LOFT FAMILLE BENHAIMED-FIRASS	21/73	43°	29.13:47:27	143.1811	897.966	21-05***25	-86.726	61.7518
424	HNICH JONOD ELKHAFAA	2/19	12°	29.13:47:53	143.5143	897.618	21-09***28 ♂	-87.168	61.8978
425	LOFT FAMILLE BENHAIMED-FIRASS	21/73	44°	29.13:47:47	143.1811	896.094	21-05***28	-87.611	62.0438
426	IKHWANE KASSIM JAWAD	8/18	13°	29.13:51:16	146.0554	894.582	21-05***91 ♂	-88.053	62.1898
427	FRERES MIHFAD	16/36	20°	29.13:47:59	143.0383	894.084	21-75***66 ♀	-88.496	62.3358
428	FRERES MIHFAD	16/36	21°	29.13:48:20	143.0383	892.134	19-26***59 ♀	-88.938	62.4818
429	MOHAMED FARAHIDI	4/22	12°	29.14:50:16	198.166	891.57	20-43***95 ♂	-89.381	62.6277
430	IKHWANE EZZAHRAOUI 07	9/21	14°	29.13:50:19	144.2953	888.972	21-09***77 ♂	-89.823	62.7737
431	LOFT ARMIL	0/10	4°	29.13:41:09	136.1029	888.69	21-23***57 ♂	-90.266	62.9197
432	LOFT SALAH ABOULKASSIM	1/0	6°	29.13:46:44	140.4384	884.742	19-17***83 ♂	-90.708	63.0657
433	LOFT ABDERAHIM CHIEB	2/14	8°	29.13:43:35	137.1628	881.604	20-25***43 ♂	-91.15	63.2117
434	IKHWANE MABCHOUR	7/31	16°	29.13:50:51	143.5377	881.412	21-15***31 ♂	-91.593	63.3577
435	LOFT ANBAOUI 36	2/20	13°	29.13:42:46	136.1029	879.408	20-16***93 ♀	-92.035	63.5036
436	LOFT FAMILLE BENHAIMED-FIRASS	21/73	45°	29.13:52:07	143.1811	872.436	21-08***16	-92.478	63.6496
437	LOFT FAMILLE ERRASSIKHI	36/66	43°	29.13:53:46	144.3823	870.996	19-26***30 ♀	-92.92	63.7956
438	LOFT FAMILLE ERRASSIKHI	36/66	44°	29.13:53:48	144.3823	870.822	21-07***10 ♀	-93.363	63.9416
439	MOHSSINE MEZOUARI	0/12	6°	29.13:51:11	140.9637	863.838	21-24***72 ♀	-93.805	64.0876
440	LOFT M3AYTTI	0/14	3°	29.13:55:00	143.9997	862.272	18-04***37 ♂	-94.248	64.2336
441	LOFT M3AYTTI	0/14	4°	29.13:55:39	143.9997	858.93	21-94***60 ♂	-94.69	64.3796
441	LOFT M3AYTTI	0/14	5°	29.13:55:39	143.9997	858.93	20-23***32 ♀	-94.69	64.3796
443	HNICH JONOD ELKHAFAA	2/19	13°	29.13:55:50	143.5143	855.102	20-12***89 ♀	-95.575	64.6715
444	IKHWANE KASSIM JAWAD	8/18	14°	29.13:58:49	146.0554	855.042	21-07***47 ♀	-96.018	64.8175
445	LOFT M3AYTTI	0/14	6°	29.13:56:59	143.9997	852.15	19-26***28 ♂	-96.46	64.9635
446	LOFT ARMIL	0/10	5°	29.13:47:49	136.1029	851.622	20-24***34 ♂	-96.903	65.1095
447	LOFT FAMILLE BENHAIMED-FIRASS	21/73	46°	29.13:56:11	143.1811	851.34	21-05***11	-97.345	65.2555
447	LOFT FAMILLE BENHAIMED-FIRASS	21/73	47°	29.13:56:11	143.1811	851.34	21-08***30	-97.345	65.2555
449	LOFT ANBAOUI 36	2/20	14°	29.13:48:01	136.1029	850.554	21-11***86 ♂	-98.23	65.5474

Cls	Nom	Ad/En	C.N	heure	Dist/Km	V(m/min)	Bague	Point	coef
450	IKHWANE MABCHOUR	7/31	17°	29.13:57:09	143.5377	848.58	21-15***29 ♂	-98.673	65.6934
451	LOFT ABDERAHIM CHIEB	2/14	9°	29.13:50:04	137.1628	846.336	20-25***44 ♂	-99.115	65.8394
452	MOHAMED BOUKHAR GHRAOUDA	4/38	15°	29.14:01:46	146.4364	842.718	19-49***82 ♀	-99.558	65.9854
453	LOFT FOUAADI	2/0	3°	29.13:58:45	143.1184	838.176	19-39***33 ♂	-100	66.1314
454	LOFT FAMILLE BENHAIMED-FIRASS	21/73	48°	29.13:59:23	143.1811	835.446	21-08***24	-100.443	66.2774
455	MOHSSINE MEZOUARI	0/12	7°	29.13:57:03	140.9637	833.856	17-27***69 ♂	-100.885	66.4234
456	DOLFE ABDESSAMAD	4/19	11°	29.14:03:44	145.9814	830.7	19-39***63 ♂	-101.327	66.5693
457	MOHSSINE MEZOUARI	0/12	8°	29.14:02:35	140.9637	807.432	21-01***54 ♂	-101.77	66.7153
458	LOFT FAMILLE BENHAIMED-FIRASS	21/73	49°	29.14:07:03	143.1811	799.668	21-08***18	-102.212	66.8613
459	MOHAMED BOUKHAR GHRAOUDA	4/38	16°	29.14:11:13	146.4364	799.254	21-02***24 ♀	-102.655	67.0073
460	LOFT ARMIL	0/10	6°	29.14:00:14	136.1029	790.224	21-36***35 ♀	-103.097	67.1533
461	LOFT FAMILLE BENHAIMED-FIRASS	21/73	50°	29.14:11:59	143.1811	778.23	19-01***76	-103.54	67.2993
462	LOFT FAMILLE BENHAIMED-FIRASS	21/73	51°	29.14:14:53	143.1811	766.152	21-08***11	-103.982	67.4453
463	LOFT FAMILLE BENHAIMED-FIRASS	21/73	52°	29.14:15:28	143.1811	763.77	21-09***72	-104.425	67.5912
464	LOFT FAMILLE ERRASSIKHI	36/66	45°	29.14:19:58	144.3823	752.124	20-12***05 ♀	-104.867	67.7372
465	FRERE RAGHOULI	2/13	6°	29.14:22:57	146.1745	749.808	21-82***28 ♂	-105.31	67.8832
466	MOHAMED BOUKHAR GHRAOUDA	4/38	17°	29.14:23:34	146.4364	748.782	19-00***12 ♀	-105.752	68.0292
467	LOFT FAMILLE BENHAIMED-FIRASS	21/73	53°	29.14:21:19	143.1811	740.658	21-05***27	-106.195	68.1752
468	LOFT FAMILLE ERRASSIKHI	36/66	46°	29.14:23:59	144.3823	736.704	21-07***00 ♂	-106.637	68.3212
469	HNICH JONOD ELKHAFAA	2/19	14°	29.14:28:28	143.5143	715.902	20-04***83 ♂	-107.08	68.4672
470	LOFT M3AYTTI	0/14	7°	29.14:31:20	143.9997	708.198	18-25***51 ♀	-107.522	68.6131
471	LOFT M3AYTTI	0/14	8°	29.14:33:23	143.9997	701.124	19-05***35 ♂	-107.965	68.7591
472	LOFT FAMILLE BENHAIMED-FIRASS	21/73	54°	29.14:55:06	143.1811	630.474	21-08***09	-108.407	68.9051
473	LOFT FAMILLE BENHAIMED-FIRASS	21/73	55°	29.14:55:17	143.1811	629.97	21-05***42	-108.85	69.0511

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تم استخراج هذه النتيجة من الموقع PIGMA