

Problem	TLBO	Generations	TT-TLBO	Generations	I-TLBO	Generations	TT-I-TLBO	Generations	i_TLBO'	Generations	TT-I-TLBO'
I01-I13	<b>2.64</b>	39.1	<b>2.24</b>	29.1	<b>2.72</b>	42.4	<b>2.01</b>	33.2	<b>2.47</b>	34.5	-
MMKP01	<b>0.194</b>	7.5	<b>0.0338</b>	2.3	<b>0.00811</b>	6.9	<b>0</b>	1.2	<b>0.0338</b>	7.53	-
MMKP02	<b>0.242</b>	17.2	<b>0.0589</b>	10.9	<b>0.108</b>	24.8	<b>0.0278</b>	6.37	<b>0.247</b>	20.7	-
MMKP03	<b>1</b>	47.7	<b>0.339</b>	19.3	<b>1.22</b>	47.2	<b>0.083</b>	20.9	<b>1.04</b>	43.6	-
MMKP04	<b>0.238</b>	12.9	<b>0.0484</b>	8.07	<b>0.279</b>	8.63	<b>0</b>	2.1	<b>0.212</b>	11.4	-
MMKP05	<b>0.384</b>	19.2	<b>0.178</b>	12.1	<b>0.4</b>	24.2	<b>0.0334</b>	8.43	<b>0.226</b>	25.8	-
MMKP06	<b>1.42</b>	47.4	<b>0.51</b>	26.5	<b>1.78</b>	47.4	<b>0.238</b>	23	<b>1.71</b>	50.5	-
MMKP07	<b>1.03</b>	11.8	<b>0.456</b>	13.6	<b>0.949</b>	12.9	<b>0.0309</b>	6.63	<b>0.442</b>	13.7	-
MMKP08	<b>1.17</b>	30.5	<b>0.473</b>	22.4	<b>0.988</b>	37.4	<b>0.162</b>	16.8	<b>0.873</b>	39.1	-
MMKP09	<b>2.84</b>	50.8	<b>1.27</b>	31	<b>3.52</b>	50.3	<b>0.826</b>	33.7	<b>3.23</b>	50.3	-
MMKP10	<b>2.2</b>	53.2	<b>0.459</b>	33	<b>2.02</b>	51.7	<b>0.379</b>	38	<b>2.74</b>	53.6	-
MMKP11	<b>4.68</b>	55.2	<b>1.3</b>	39.5	<b>5.7</b>	57.7	<b>0.819</b>	31.4	<b>5.4</b>	50.5	-
MMKP12	<b>4.36</b>	56.2	<b>0.909</b>	42.6	<b>4.15</b>	54.8	<b>0.783</b>	40.5	<b>4.56</b>	54.3	-
MMKP13	<b>5.03</b>	54.8	<b>1.64</b>	37.9	<b>4.98</b>	56.4	<b>1.36</b>	33.5	<b>5.3</b>	57.8	-
MMKP14	<b>4.69</b>	56.3	<b>2.83</b>	41.7	<b>4.71</b>	58.1	<b>1.88</b>	39.4	<b>5.17</b>	53	-
MMKP15	<b>3.48</b>	57.8	<b>1.49</b>	38	<b>3.41</b>	58.6	<b>1.1</b>	36.5	<b>3.44</b>	58.1	-
MMKP16	<b>2.91</b>	57.6	<b>1.14</b>	43.2	<b>2.79</b>	58.5	<b>0.802</b>	46	<b>2.81</b>	56.6	-
MMKP17	<b>2.57</b>	58.4	<b>1.01</b>	41.4	<b>2.45</b>	57.7	<b>0.766</b>	35.1	<b>2.46</b>	57.2	-
MMKP18	<b>1.98</b>	60	<b>0.569</b>	37.5	<b>2.05</b>	58.9	<b>0.277</b>	35.4	<b>2.02</b>	56.7	-
MMKP19	<b>1.64</b>	58.4	<b>0</b>	1	<b>1.76</b>	59.4	<b>0</b>	1	<b>2.07</b>	59.5	-
MMKP20	<b>0.605</b>	60	<b>0.14</b>	32.5	<b>0.585</b>	59.6	<b>0.0152</b>	22.8	<b>0.54</b>	59.5	-
Average Dev:	<b>2.16</b>	43.4	<b>0.814</b>	26.8	<b>2.22</b>	44.5	<b>0.552</b>	24.4	<b>2.24</b>	43.5	-