MOP	Dim.	$\mathbf{PFI}\mathbf{-}\mathbf{EMOA}\ w_0 = 0$	<b>PFI-EMOA</b> $w_0 = 0.11$	<b>PFI-EMOA</b> $w_0 = 0.22$	$ PFI-EMOA w_0 = 0.33 $	$\mathbf{PFI}\mathbf{-}\mathbf{EMOA}\ w_0 = 0.44$		<b>PFI-EMOA</b> $w_0 = 0.66$				<b>PFI-EMOA</b> $w_0 = 1$
	2	$8.737332e-01^{1}1\#$	$8.738353e-01^5$	8.737860e-01 <sup>9</sup>	8.737337e-01 <sup>1</sup> 0#	8.737964e-01 <sup>8</sup>	$8.738364e-01^4$	$8.738607e-01^2$	$8.738709e-01^{1}$	$8.738571e-01^3$	$8.738225 \text{e-} 01^6$	8.738185e-01 <sup>7</sup>
	2	(1.694089e-04)	(1.130015e-04)	(1.217192e-04)	(1.799644e-04)	(1.421491e-04)	(1.713017e-04)	(4.489532e-05)	(5.163512e-05)	(6.792287e-05)	(1.116424e-04)	(1.034517e-04)
DTLZ1	3	9.741830e-01 <sup>1</sup> 0 (2.299820e-04)	$9.741781e-01^{1}1\#$ (1.399270e-04)	$9.742376e-01^7$ (2.099628e-04)	$9.742308e-01^9$ (1.683291e-04)	$9.742625e-01^3$ (1.644275e-04)	$9.742338e-01^{8}$ (1.900000e-04)	9.742568e-01 <sup>5</sup> (1.357473e-04)	$9.742850e-01^{1}$ (1.051924e-04)	$9.742607e-01^4$ (1.100530e-04)	$9.742790e-01^2$ (1.146610e-04)	$9.742561e-01^6$ (1.000772e-04)
	4	9.943723e-01 <sup>8</sup>	$9.943554e-01^9\#$	$9.943363e-01^{1}0$	$9.944041e-01^6$	$9.944361e-01^3$	$9.944466e-01^{1}$	$9.944187e-01^5$	$9.943961e-01^7 \#$	$9.933320e-01^{1}1\#$	$9.944224e-01^4$	$9.944422e-01^2$
	4	(1.598254e-04)	(1.107539e-04)	(2.293935e-04)	(7.258557e-05)	(7.123615e-05)	(3.896914e-05)	(7.324002e-05)	(5.816218e-05)	(3.238939e-03)	(7.984512e-05)	(5.764404e-05)
	5	$9.983130e-01^{1}0\#$ (8.472281e-04)	$9.985335e-01^7 \#$ (1.151600e-04)	$9.985888e-01^5$ (7.025201e-05)	$9.986198e-01^3$ (7.672878e-05)	$9.985613e-01^6 \#$ (1.017802e-04)	9.983651e-01 <sup>9</sup> (7.820489e-04)	$9.986165e-01^4$ (7.236752e-05)	$9.982407e-01^{1}1\#$ $(7.985893e-04)$	9.984438e-01 <sup>8</sup> (6.113586e-04)	$9.986219e-01^2$ (4.237309e-05)	$9.986377e-01^{1}$ (7.179907e-05)
	6	9.994048e-01 <sup>8</sup>	$9.994637e-01^3$	$9.994861e-01^2$	$9.994887e-01^{1}$	$9.992457e-01^{1}1$	9.994191e-01 <sup>4</sup>	9.993881e-01 <sup>9</sup>	$9.993325 \text{e-}01^{1}0$	9.994063e-01 <sup>7</sup>	9.994139e-01 <sup>5</sup>	$9.994094e-01^{6}$
	0	(2.683346e-04)	(1.733080e-04)	(9.801332e-05)	(2.189017e-04)	(5.687589e-04)	(5.219662e-04)	(5.090781e-04)	(5.195110e-04)	(4.362809e-04)	(3.390586e-04)	(6.509890e-04)
	7	$9.945803e-01^{1}0\#$ (1.593940e-02)	$9.983252e-01^8 \#$ (4.340426e-03)	$9.967196e-01^9 \#$ (9.323702e-03)	$9.997228e-01^4 #$ (1.234182e-04)	$9.932722e-01^{1}1$ (1.548890e-02)	$9.996841e-01^6$ (2.966522e-04)	$9.996948e-01^5$ (2.979110e-04)	9.996570e-01 <sup>7</sup> (2.793637e-04)	$9.997477e-01^3$ (1.503517e-04)	$9.997836e-01^{1}$ (9.469664e-05)	$9.997814e-01^2$ (1.118959e-04)
	9	$3.211126e + 00^{1}1\#$	$3.211150e+00^{7}$	$3.211165e+00^3$	$3.211146e+00^{8}$	$3.211167e + 00^2$	$3.211169e+00^{1}$	$3.211156e + 00^6$	$3.211159e+00^4$	$3.211157e + 00^{5}$	$3.211142e+00^9\#$	$3.211135e+00^{1}0\#$
	2	(4.925715e-05)	(3.541014e-05)	(5.099553e-05)	(3.289529e-05)	(2.278986e-05)	(2.930851e-05)	(1.671360e-05)	(2.526064e-05)	(1.864761e-05)	(2.107025e-05)	(1.371496e-05)
DTLZ2	3	$7.420452e + 00^{1}1\#$ $(1.090789e - 03)$	$7.421833e+00^{1}0\#$ (5.214033e-04)	$7.422530e + 00^9 \#$ (8.367538e-04)	$7.423038e + 00^8 \#$ (5.710954e-04)	$7.423366e + 00^7 \#$ (3.722388e-04)	$7.423478e + 00^6$ (2.692730e-04)	$7.423699e+00^{1}$ (3.154754e-04)	$7.423647e + 00^{3}$ $(2.452482e - 04)$	$7.423635e+00^{4}$ (6.213127e-04)	$\begin{array}{c} 7.423527e + 00^5 \\ (5.993484e - 04) \end{array}$	$7.423694e+00^{2}$ $(3.670034e-04)$
	4	$1.555123e+01^{1}1#$	$1.556201e + 01^{1}0\#$	$1.556635e+01^9\#$	$1.556944e+01^{8}\#$	$\frac{(3.7223666-04)}{1.557039e+01^6}$	$\begin{array}{c} (2.0927308-04) \\ 1.557083e+01^2 \end{array}$	$1.557078e + 01^4$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\frac{(0.2131276-04)}{1.557000e+01^7 \#}$	$\frac{(3.993464e^{-04})}{1.557082e + 01^3}$	$1.557040e+01^{5}$
-	4	(3.470943e-03)	(3.116947e-03)	(2.407284e-03)	(1.410740e-03)	(1.176194e-03)	(1.050727e-03)	(7.358714e-04)	(7.480530e-04)	(1.148961e-03)	(1.155763e-03)	(1.401160e-03)
	5	$3.157355e + 01^{1}1\#$ (2.104688e-02)	$3.160761e + 01^{1}0\#$ (8.380521e-03)	$3.164219e + 01^9 \#$ (8.869501e-03)	$3.166270e + 01^8 \#$ (3.570317e-03)	$3.166827e + 01^7 \#$ (1.652263e-03)	$3.166913e+01^{5}$ (1.803857e-03)	$3.166960e+01^{1}$ (1.414545e-03)	$3.166928e + 01^3$ (1.945011e-03)	$3.166911e + 01^6$ (1.265094e-03)	$3.166935e+01^2$ (1.941546e-03)	$3.166927e + 01^4$ (1.878488e-03)
-		$6.347544e + 01^{1}1#$	$6.356662e + 01^{1}0\#$	$6.362324e+01^9\#$	$6.368913e+01^8\#$	$6.373584e + 01^7 \#$	$6.373767e+01^4$	$6.373693e+01^{5}$	$6.373611e+01^6$	$\begin{array}{c} (1.203094e-03) \\ 6.373822e+01^2 \end{array}$	$6.373842e+01^{1}$	$\frac{(1.878488e-03)}{6.373802e+01^3}$
	6	(6.614526e-02)	(3.585275e-02)	(2.168181e-02)	(2.502170e-02)	(2.542950e-03)	(2.488896e-03)	(1.862287e-03)	(2.642104e-03)	(2.015508e-03)	(2.543227e-03)	(1.955843e-03)
	7	$1.130190e + 02^{1}1\#$ (3.799543e + 01)	$1.269320e + 02^9 \#$ (2.219909e-01)	$1.272484e + 02^7 \#$ (2.399275e-01)	$1.272087e + 02^{8} \#$ (4.056719e-01)	$1.257849e + 02^{1}0\#$ (3.703202e + 00)	$\begin{array}{c} 1.273822e + 02^{6} \# \\ (6.203562e - 01) \end{array}$	$1.275757e + 02^5 \#$ $(2.123829e - 01)$	$1.277061e + 02^{4} \# $ $(7.621296e - 02)$	$1.277396e + 02^{2}$ $(7.865531e - 02)$	$ \begin{array}{c c} 1.277099e + 02^3 \\ (1.249288e - 01) \end{array} $	$1.277608e + 02^{1}$ $(3.289262e - 02)$
		$3.199758e + 00^{1}0$	$3.201541e+00^{5}$	$3.201467e + 00^6$	$3.204273e+00^{2}$	$3.199536e+00^{1}1$	$3.201274e + 00^{7}$	$\frac{(2.123829e-01)}{3.200960e+00^9}$	$3.200970e + 00^8 \#$	$3.204039e+00^{3}$	$\frac{(1.249203e-01)}{3.205431e+00^{1}}$	$\frac{(3.289202e-02)}{3.201795e+00^4}$
	2	(8.094090e-03)	(6.370895e-03)	(7.574825e-03)	(4.569669e-03)	(9.584408e-03)	(5.045829e-03)	(5.428351e-03)	(4.711690e-03)	(4.044905e-03)	(3.001777e-03)	(6.136937e-03)
DTLZ4	3	$7.392184e + 00^{1}0\#$	$7.400334e + 00^7$	$7.392408e + 00^9 \#$	$7.390249e + 00^{1}1\#$	$7.400343e + 00^6 \#$	$7.392634e + 00^{8} \#$	$7.400660e + 00^5$	$7.404660e + 00^2$	$7.407574e + 00^{1}$	$7.402778e + 00^4$	$7.403478e + 00^3$
		(1.685316e-02) $1.544610e+01^{1}0#$	$\begin{array}{c} (1.019627e\text{-}02) \\ 1.547380e+01^9\# \end{array}$	$\frac{(1.307042\text{e-}02)}{1.550173\text{e+}01^8\#}$		$\begin{array}{c} (9.061066\text{e-}03) \\ 1.481737\text{e+}01^{1}1 \end{array}$				$\begin{array}{c} (9.798206\text{e-}03) \\ 1.552335\text{e+}01^6 \end{array}$		$\begin{array}{c} (9.625655 \text{e-}03) \\ 1.553564 \text{e+}01^2 \end{array}$
	4	(8.811522e-02)	(4.946119e-02)	(3.757098e-02)	(2.338591e-02)	(2.233433e+00)	(2.459524e-02)	(2.105145e-02)	(3.112289e-02)	(3.124669e-02)	(1.584904e-02)	(2.448191e-02)
	5	3.141834e+01 <sup>9</sup> #	3.146147e+01 <sup>8</sup> #	$3.006963e+01^{1}1\#$	$3.154970e + 01^6 \#$	$3.155053e+01^5\#$	$3.015757e + 01^{1}0\#$	3.153202e+01 <sup>7</sup> #	$3.157691e+01^3$	$3.160482e+01^{1}$	$3.156228e+01^4$	$3.160315e+01^2$
		$\begin{array}{c} (1.318379 \text{e-}01) \\ 6.324117 \text{e+}01^{1} \end{array}$	$\begin{array}{c} (1.504621\text{e-}01) \\ 6.230040\text{e+}01^2 \end{array}$	$\frac{(4.527542e+00)}{5.299494e+01^8}$	(5.990440e-02) $3.772970e+01^{1}1$	$\begin{array}{c} (5.130333\text{e-}02) \\ 5.374567\text{e+}01^7 \end{array}$	$\begin{array}{c} (4.321846e+00) \\ 4.831458e+01^{1}0 \end{array}$	(5.757456e-02)  5.447253e+016		$\begin{array}{c} (2.657470e\text{-}02) \\ 5.192446e\text{+}01^9 \end{array}$		$ \begin{array}{c} (2.600668e-02) \\ \hline 5.692968e+01^5 \end{array} $
	6	(2.875719e-01)	(3.242486e+00)	(2.197536e+01)	(2.905959e+01)	(2.044415e+01)	(2.660618e+01)	(2.077659e+01)	(2.006218e+01)	(2.435917e+01)	(6.896044e+00)	(1.793451e+01)
	7	$7.605746e + 01^3$	$3.203618e + 01^{8}$	$2.709172e + 01^{1}0$	$6.955848e + 01^4$	$3.034278e + 01^9$	$4.455308e+01^{7}$	$7.663320e+01^2$	5.530931e+01 <sup>6</sup>	5.583110e+01 <sup>5</sup>	$1.036674e + 01^{1}1\#$	$7.769584e + 01^{1}$
		(5.789871e+01)	$\begin{array}{ c c c }\hline (5.249914e+01)\\\hline 2.847785e+00^{1}1\\\hline \end{array}$	(5.274643e+01)	$\frac{(6.245022e+01)}{2.847806e+00^3}$	(5.183834e+01)	(5.849302e+01)	(5.925175e+01)	$ \frac{(6.272032e+01)}{2.847801e+00^6} $	(6.202558e+01)	$\begin{array}{ c c c }\hline (2.261808e+01)\\\hline 2.847802e+00^4\\\hline \end{array}$	(6.027053e+01)
	2	$\begin{array}{c} 2.847790e + 00^{1}0 \\ (5.850310e - 01) \end{array}$	(5.850271e-01)	$2.847791e + 00^9$ (5.850311e-01)	(5.850414e-01)	$2.847811e + 00^{2}$ (5.850450e-01)	$\begin{array}{c} 2.847801e + 00^{5} \\ (5.850385e - 01) \end{array}$	$2.847798e + 00^{7}$ (5.850360e-01)	(5.850384e-01)	$2.847814e + 00^{1}$ (5.850470e-01)	(5.850392e-01)	$\begin{array}{c c} 2.847794e + 00^8 \\ (5.850335e - 01) \end{array}$
	3	$6.667975e + 00^{8}$	$6.668173e + 00^{7}$	$6.668901e + 00^{5}$	$6.668854e + 00^{6}$	$6.669148e + 00^{2}$	$6.668924e + 00^4$	$6.661527e + 00^9$	$6.659868e + 00^{10}$	$6.659402e+00^{1}1$	$6.669012e + 00^3$	$6.669487e + 00^{1}$
		$\begin{array}{c} (1.067691e+00) \\ \hline 1.466324e+01^7 \end{array}$	$\begin{array}{c} (1.068056e+00) \\ 1.461470e+01^8 \end{array}$	$\begin{array}{c} (1.068448e+00) \\ 1.467355e+01^6 \end{array}$	$ (1.068396e+00) $ $ 1.467549e+01^{1} $	$\frac{(1.068627e+00)}{1.467439e+01^5}$			$ \begin{array}{c} (1.071661e+00) \\ 1.467525e+01^3 \end{array} $		$ (1.068759e+00)  1.467549e+01^{2} $	$\begin{array}{c} (1.068877e + 00) \\ 1.467515e + 01^4 \end{array}$
	4	(1.281654e+00)	(1.253975e+00)	(1.287662e+00)	(1.291108e+00)	(1.290247e+00)	(1.254065e+00)	(1.254375e+00)	(1.290911e+00)	(1.254577e+00)	(1.291095e+00)	(1.290831e+00)
	5	$3.116590e + 01^{1}1$	$3.116905e+01^{10}$	$3.118109e + 01^{9}$	$3.118324e + 01^{8}$	$3.119789e + 01^{6}$	$3.120013e+01^{4}$	$3.119929e + 01^{5}$	$3.119074e + 01^{7}$	$3.120486e + 01^{3}$	$3.123761e+01^{1}$	$3.120695e+01^{2}$
	ŭ	$\begin{array}{c} (6.059162\text{e-}01) \\ 6.251018\text{e+}01^{1}1 \end{array}$	$\begin{array}{c} (6.176583\text{e-}01) \\ 6.252286\text{e+}01^8 \end{array}$	$\begin{array}{c} (6.302384 \text{e-}01) \\ 6.251573 \text{e+}01^{1}0 \end{array}$	$\begin{array}{c} (6.403112 \text{e-}01) \\ 6.252538 \text{e+}01^2 \end{array}$	$\begin{array}{c} (6.526805 \text{e-}01) \\ 6.252652 \text{e-}01^{1} \end{array}$	$\begin{array}{c} (6.420190 \text{e-}01) \\ \hline 6.252368 \text{e+}01^6 \end{array}$	$ \begin{array}{c} (6.422866\text{e-}01) \\ 6.251924\text{e+}01^9 \end{array} $	$ \begin{array}{c} (6.450434 \text{e-}01) \\ 6.252384 \text{e+}01^4 \end{array} $	$\begin{array}{c} (6.383322 \text{e-}01) \\ \hline 6.252363 \text{e+}01^7 \end{array}$	$ \begin{array}{c} (6.700381 \text{e-}01) \\ \hline 6.252371 \text{e+}01^5 \end{array} $	$\begin{array}{c} (6.384107 \text{e-}01) \\ 6.252489 \text{e+}01^3 \end{array}$
	6	(1.276468e+00)	(1.293751e+00)	(1.278375e+00)	(1.287567e+00)	(1.288702e+00)	(1.289921e+00)	(1.285359e+00)	(1.290088e+00)	(1.289873e+00)	(1.289957e+00)	(1.291190e+00)
	7	$1.243949e + 02^{1}1$	$1.245147e + 02^{7}$	$1.244333e+02^{10}$	$1.244966e + 02^{8}$	$1.245198e + 02^{6}$	$1.245363e + 02^{5}$	$1.244936e + 02^9$	$1.245584e + 02^4$	$1.245641e + 02^{1}$	$1.245623e + 02^3$	$1.245628e + 02^{2}$
	-	(3.461988e+00)	(3.560721e+00)	(3.500858e+00)	(3.545074e+00)	(3.566053e+00)	(3.581039e+00)	(3.545766e+00)	(3.601319e+00)	(3.606872e+00)	(3.605141e+00)	(3.605625e+00)
	2	$\begin{array}{c} 3.211126e + 00^{1}1\# \\ (4.925715e - 05) \end{array}$	$3.211150e+00^7$ (3.541014e-05)	$3.211165e+00^3$ (5.099553e-05)	$3.211146e+00^{8}$ (3.289529e-05)	$3.211167e + 00^2$ (2.278986e-05)	$3.211169e+00^{1}$ (2.930851e-05)	$3.211156e + 00^6$ (1.671360e-05)	$3.211159e + 00^4$ (2.526064e-05)	$3.211157e + 00^5$ (1.864761e-05)	$3.211142e + 00^9 \#$ (2.107025e-05)	$3.211135e+00^{1}0\#$ (1.371496e-05)
	3	$6.104044e+00^9$	$6.104197e + 00^{1}$	$6.104000e + 00^{1}1\#$	$6.104140e + 00^2$	$6.104017e + 00^{1}0$	$6.104113e + 00^4$	$6.104062e + 00^8$	$6.104127e + 00^3$	$6.104111e + 00^5$	$6.104104e + 00^{6}$	$6.104072e + 00^7$
DTLZ5			(1.689433e-04) $1.168188e+01^{1}1#$	$\begin{array}{c} (1.372815 \text{e-}04) \\ 1.171162 \text{e+}01^{1}0 \end{array}$		$\begin{array}{c} (3.046025 \text{e-}04) \\ 1.172696 \text{e+}01^5 \end{array}$			$ \frac{(2.609487e\text{-}04)}{1.173476e\text{+}01^3} $		(2.815299e-04)  1.173938e+012	$\begin{array}{c} (2.148859 \text{e-}04) \\ 1.174397 \text{e+}01^{1} \end{array}$
	4	(4.850199e-02)	(4.424326e-02)	(4.631325e-02)	(3.275379e-02)	(4.477634e-02)	(3.995864e-02)	(5.167045e-02)	(5.514753e-02)	(3.914374e-02)	(3.491108e-02)	(5.487975e-02)
	5	$2.210989e + 01^{5}$	$2.185006e + 01^{1}0\#$	$2.197621e + 01^{8}$	$2.168941e + 01^{1}1\#$	$2.196987e + 01^{9}$	$2.210885e + 01^{6}$	$2.218380e+01^{2}$	$2.225997e + 01^{1}$	$2.216631e + 01^3$	$2.209333e+01^{7}$	$2.211156e + 01^4$
	<u> </u>	$\begin{array}{c} (2.202924 \text{e-}01) \\ \hline 3.671263 \text{e+}01^{1}1 \# \end{array}$	$\begin{array}{c} (4.810042 \text{e-}01) \\ 3.810108 \text{e+}01^{1}0 \# \end{array}$	(5.692376e-01) $4.053636e+01^2$	$ \begin{array}{c} (5.113857 \text{e-}01) \\ 4.000370 \text{e+}01^4 \end{array} $	$\frac{(4.517578e-01)}{3.968712e+01^7 \#}$	$\frac{(3.634761\text{e-}01)}{3.843194\text{e+}01^9\#}$		$\begin{array}{c} (3.568352\text{e-}01) \\ 3.979277\text{e+}01^6 \# \end{array}$		$ \frac{(6.297440e\text{-}01)}{4.019538e\text{+}01^3\#} $	$\begin{array}{c c} (5.346749e\text{-}01) \\ \hline 3.980056e\text{+}01^5 \end{array}$
	6	(3.131646e+00)	(4.412498e+00)	(1.858632e+00)	(4.556589e+00)	(1.555774e+00)	(3.399879e+00)	(4.913944e+00)	(1.823073e+00)	(7.083864e-01)	(1.501049e+00)	(3.436308e+00)
	7	$4.012466e + 01^{1}1\#$	$4.049006e + 01^{1}0\#$	$4.191701e + 01^9 \#$	$5.294841e + 01^{7}$	$5.627768e + 01^{5}$	$4.996379e + 01^{8}$	$5.674069e + 01^4$	$5.626580e + 01^{6}$	$6.103316e + 01^{2}$	$6.046214e + 01^{3}$	$6.129659e + 01^{1}$
	<u>'</u>	(2.199988e+01)	(1.815622e+01)	(1.151395e+01)	(1.281763e+01)	(1.288300e+01)	(1.485053e+01)	(1.083056e+01)	(1.181958e+01)	(6.661959e+00)	(1.253692e+01)	(5.893056e+00)
	2	$3.211177e + 00^{1}$ (2.328662e-05)	$3.211164e+00^4$ (2.000667e-05)	$3.211169e+00^2$ (1.807269e-05)	$\begin{array}{c} 3.211168e + 00^{3} \\ (2.023775e - 05) \end{array}$	$3.211138e+00^7 \#$ (2.498800e-05)	$3.211150e + 00^5 \#$ (3.408486e-05)	$3.211127e + 00^{1}0\#$ (2.579750e-05)	$3.211137e + 00^8 \#$ (1.826989e-05)	$3.211133e+00^9 \#$ (3.241896e-05)	$3.211139e + 00^6 \#$ (2.153963e-05)	$3.211103e+00^{1}1\#$ (1.848152e-05)
	2	$6.104775e + 00^8$	$6.104793e + 00^{5}$	$6.104811e+00^2$	$6.104775e + 00^9$	$6.104812e+00^{1}$	$6.104804e+00^4$	$6.104783e + 00^7$	$6.104808e + 00^{3}$	$6.104789e + 00^6$	$6.104749e + 00^{1}1\#$	$6.104764e + 00^{1}0$
DTLZ6	3	(7.357694e-05)	(5.585895e-05)	(6.596666e-05)	(4.461452e-05)	(6.228108e-05)	(5.962848e-05)	(8.723436e-05)	(5.746729e-05)	(6.469286e-05)	(5.384556e-05)	(7.943439e-05)
	4	$\begin{array}{c} 1.133701e + 01^{1}0 \\ (1.463467e + 00) \end{array}$	$1.178836e + 01^{1}$ (7.114912e-02)	$1.168022e + 01^9 \#$ (1.232099e-01)	$1.178294e + 01^{2}$ $(6.190964e - 02)$	$1.124387e + 01^{1}1$ $(1.632130e + 00)$	$1.176889e + 01^4$ (4.852947e-02)	$1.174392e + 01^{8}$ (7.958735e-02)	$1.175063e + 01^{7}$ (1.301130e-01)	$1.176122e + 01^{5}$ $(1.794532e - 01)$	$ \begin{array}{c} 1.178124e + 01^{3} \\ (6.693043e - 02) \end{array} $	$\begin{array}{c} 1.175070e + 01^{6} \\ (1.459650e - 01) \end{array}$
	5	$1.531698e + 00^{1}0\#$	$1.103762e + 00^{1}1\#$	$4.139065e+00^9\#$	$6.786975e + 00^8 \#$	$9.565069e + 00^7 \#$	$1.280653e+01^{5}$	$1.386881e+01^4$	$1.178296e + 01^{6}$	$1.433559e + 01^{3}$	$1.656929e + 01^{1}$	$1.609805e+01^2$
	9	(4.794641e+00)	(3.384415e+00)	(5.559206e+00)	(5.682415e+00)	(5.661431e+00)	(8.461085e+00)	(4.074593e+00)	(7.169127e+00)	(5.469138e+00)	(5.109503e+00)	(6.890356e+00)
	6	$4.263591e+00^4$ (1.348266e+01)	$4.217272e+00^{8}$ $(1.333619e+01)$	$4.217272e+00^9$ (1.333619e+01)	$4.217272e+00^{1}0$ $(1.333619e+01)$	$4.243434e+00^5$ (1.341892e+01)	$4.243434e+00^{6}$ $(1.341892e+01)$	$4.243434e+00^{7}$ $(1.341892e+01)$	$5.330533e+00^3$ (1.347717e+01)	$5.794733e+00^2$ (1.376605e+01)	$8.662503e+00^{1}$ (1.774852e+01)	$4.106593e+00^{1}1$ $(1.298619e+01)$
	7	$0.0000000e+00^{1}$	$0.0000000e+00^2$	$0.000000e+00^3$	$0.0000000e+00^4$	$0.0000000e+00^{5}$	$0.0000000e+00^{6}$	$0.0000000e+00^{7}$	$0.0000000e+00^{8}$	$0.0000000e+00^9$	$0.0000000e+00^{1}0$	$0.000000e+00^{1}$
	′	(0.0000000e+00)	(0.0000000e+00)	(0.000000e+00)	(0.000000e+00)	(0.000000e+00)	(0.0000000e+00)	(0.000000e+00)	(0.000000e+00)	(0.000000e+00)	(0.0000000e+00)	(0.0000000e+00)
	2	$1.772570e + 01^8 \#$	$1.772572e + 01^7 \#$	$1.772574e + 01^4$	$1.772573e + 01^6 \#$	$1.769092e + 01^{1}1\#$	$1.772575e+01^2$	$1.769093e+01^{1}0$	$1.772574e + 01^5 \#$	$1.772574e + 01^3$	$1.769093e+01^9$	$1.772575e+01^{1}$
-		$\begin{array}{c} (2.756810 \text{e-}05) \\ 1.636810 \text{e+}01^7 \# \end{array}$	$\begin{array}{c} (1.969207 \text{e-}05) \\ 1.636925 \text{e+}01^6 \# \end{array}$	$\begin{array}{c} (1.663330 \text{e-}05) \\ 1.634131 \text{e+}01^9 \end{array}$		$ \begin{array}{c} (1.100775 \text{e-}01) \\ 1.637030 \text{e+}01^3 \# \end{array} $	$\begin{array}{c} (1.418136\text{e-}05) \\ 1.637017\text{e+}01^5 \# \end{array}$		(1.475730e-05)  1.637101e+012	$\begin{array}{c} (1.418136\text{e-}05) \\ 1.637260\text{e+}01^{1} \end{array}$		$\begin{array}{c} (1.154701 \text{e-}05) \\ 1.627932 \text{e+}01^{1}1 \# \end{array}$
DTLZ7	3	(3.010849e-03)	(2.789981e-03)	(9.486059e-02)	(9.487341e-02)	(2.797222e-03)	(1.990067e-03)	(2.761470e-03)	(2.874808e-03)	(1.459661e-03)	(9.435299e-02)	(2.095910e-01)
	4	1.466354e+01 <sup>8</sup> #	$1.468138e + 01^6 \#$	$1.467919e + 01^{7} \#$	$1.464786e + 01^{1}0\#$	$1.468183e + 01^5 \#$	1.468901e+01 <sup>4</sup> #	1.461839e+01 <sup>1</sup> 1#	$1.471409e + 01^2 \#$	1.466308e + 019	$1.471956e+01^{1}$	$1.470280e + 01^3$
		$ \begin{array}{c} (6.447853 \text{e-}02) \\ \hline 1.267113 \text{e+}01^{1}1 \# \end{array} $	$\begin{array}{c} (6.228849 \text{e-}02) \\ 1.278867 \text{e+}01^{1}0 \# \end{array}$	$\frac{(7.109175e-02)}{1.286734e+01^9\#}$	$ \begin{array}{c} (1.520755 \text{e-}01) \\ 1.291543 \text{e+}01^8 \# \end{array} $		$ \begin{array}{c} (1.258941 \text{e-}01) \\ 1.298504 \text{e+}01^6 \# \end{array} $		$ \begin{array}{c} (6.832889 \text{e-}02) \\ 1.303169 \text{e+}01^3 \# \end{array} $		$\begin{array}{c} (1.345304\text{e-}01) \\ 1.304558\text{e+}01^2\# \end{array}$	$\begin{array}{c} (9.203402\text{e-}02) \\ 1.306601\text{e+}01^{1} \end{array}$
	5	(4.104637e-02)	(5.471387e-02)	(3.629817e-02)	(2.413219e-02)	(1.153210e-02)	(2.565555e-02)	(2.089866e-02)	(2.234252e-02)	(2.422490e-02)	(2.938289e-02)	(1.570679e-02)
		1 00 1500 1 01 1 1	$1.079577e + 01^{1}0\#$	$1.101807e + 01^9 \#$	$1.112907e + 01^8 \#$	$1.115768e + 01^7 \#$	$1.116571e + 01^6 \#$	$1.120475e + 01^5 \#$	$1.121360e + 01^4 \#$	$1.124204e+01^{1}$	$1.123152e+01^2$	$1.123138e+01^3$
	6	$1.034723e+01^{1}1\#$	1	**	1			(9.407505.00)	(1 0F0000 00)	(0.070100 00)	(0.50055000)	(9.100017.00)
-	6	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} 3.307849e-02) \\ 8.948850e+00^{1}0\# \end{array}$	(5.778698e-02) $9.119047e+00^9\#$	(2.255298e-02) $9.207368e+00^{8}\#$	(3.871208e-02) $9.211475e+00^7 \#$	(3.775796e-02) $9.234011e+00^4$	$\begin{array}{c} (3.427587 \text{e-}02) \\ 9.220573 \text{e+}00^6 \# \end{array}$		$\begin{array}{c} (2.272103\text{e-}02) \\ 9.260161\text{e+}00^1 \end{array}$	(3.598553e-02) $9.260105e+00^2$	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$