TABLE 16 PARAMETERS VALUES FOR THE REFERENCE POINT METHOD

ρ	ε	$\hat{q}_1^{\ h}$	$\hat{q}_2^{\ h}$	$z_1^{\ nad}$	$z_2^{\ nad}$	$z_1^{\ **}$	$z_2^{\ **}$
10^{-7}	2	0	0	8900	788748.4	8898	13609.35

Then by replacing these parameters in the related formula and implementation of the reference point method, decision variables will be determined.

VI. CONCLUSIONS

A location-allocation model with two objectives including minimizing the establishment cost of facilities and minimizing the waiting time of customers was proposed. Two types of servers providing primary and secondary services at each facility are assumed to be working. The number of servers of each type was determined for each facility. Customers patronized the nearest server of each type. Numerical examples were designed and a few multi-objective solution techniques were utilized in this regard. As further research, we propose extension of the model assuming other queuing systems.

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