Soft matrices on soft multisets in an optimal decision process

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Abstract: In this paper, we introduce a concept of a soft matrix on a soft multiset, and investigate how to use soft matrices to solve decision making problems. An algorithm for a multiple choose selection problem is also provided. Finally, we demonstrate an illustrative example to show the decision making steps.

Keywords: Soft matrix, soft multiset, soft max-min decision making **2010 Mathematics Subject Classification:** 03E75, 03E99

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