Linguistic scale	Triangular scale	Triangular fuzzy reciprocal scale
Just equal	(1,1,1)	(1,1,1)
Equally important	(1/2,1,3/2)	(2/3,1,2)
Weakly important	(1,3/2,2)	(1/2,2/3,1)
Moderately more important	(3/2,2,5/2)	(2/5,1/2,2/3)
More important	(2,5/2,3)	(1/3,2/5,1/2)
Strongly more important	(5/2,3,7/2)	(2/7,1/3,2/5)

eloping pro

$$
\begin{array}{c}
 \\
M_1 \\
M_2 \\
M_3
\end{array}
\begin{pmatrix}
M_1 & M_2 & M_3 \\
(1,1,1) & (2/3,1,2) & (2/3,1,2) \\
(1/2,1,3/2) & (1,1,1) & (3/2,2,5/2) \\
(1/2,1,3/2) & (2/5,1/2,2/3) & (1,1,1)
\end{pmatrix}
\tag{20}
$$

stimated relative weights according to this matrix are

$$
\begin{array}{c}
 \\
M_1 \\
M_2 \\
M_3
\end{array}
\begin{array}{c}
\begin{array}{ccc} M_1 & M_2 & M_3 \end{array} \\
\begin{pmatrix}
(1,1,1) & (3/2,2,5/2) & (2/7,1/3.2/5) \\
(2/5,1/2,2/3) & (1,1,1) & (5/2.3,7/2) \\
(5/2,3,7/2) & (2/7,1/3,2/5) & (1,1,1)
\end{pmatrix}
\end{array}
$$

$$\mathbf{AP}^{\mathbf{1}} = \begin{matrix} \\ P_1 \\ P_2 \end{matrix} \begin{matrix} \begin{matrix} P_1 & P_2 \end{matrix} \\ \begin{pmatrix} (1,\,1,\,1) & (1,\,3/2,\,2) \\ (1/2,\,2/3,\,1) & (1,\,1,\,1) \end{pmatrix} \end{matrix}$$