Soution (a)



selection company

3 normalized column

company the U1 U2 U3

B sum

6 normalized column

1) priority

(b) combine

10 rank 0.476 > 0.274 > 0.251

(1) recommendation:

Company should select UI as the long-term business par tner, since UI has highest overall weight (0.476).

$$=0.167\left[\frac{1}{5}\right]+0.833\left[0.2\right]$$

$$= \begin{bmatrix} 0.167 \\ 0.835 \end{bmatrix} + \begin{bmatrix} 0.167 \\ 0.833 \end{bmatrix}$$

$$\Phi C.Z. = \frac{\sum_{n=1}^{\infty} L_{n} - L_{n}}{L_{n} - L_{n}}$$

$$= \frac{2.001 - 2}{2 - 1}$$
$$= 0.001$$

$$\begin{array}{rcl}
\text{(B)} & \text{CR} = & \frac{C^2}{R^2} = & \frac{0.001}{0.08} \\
& = & 1.724 | < 0.1
\end{array}$$

unacceptable consistant ratio

n=3 R1=05

$$= \begin{bmatrix} 3^2 \\ 26 \\ 42 \end{bmatrix}$$

2) Rank