

Exercise.

Determine the best alternative between A_1 , A_2 and A_3 .

Three criteria to be considered in your decision making are:

C_1 : to be minimised

C_2 : to be minimised

C_3 : to be minimised

The relative importance of criteria are: $w_1 = 0.5$, $w_2 = 0.3$, $w_3 = 0.2$

The values of criteria of the three alternatives are given in the following matrix.

	C_1	C_2	C_3
A_1	90	180	10
A_2	110	150	8
A_3	100	170	5

Select the best alternative by using the TOPSIS method.