	Formulation	Optimal value
True positive rate (TP_r)	$TP_r = \frac{TP}{TP+FN}$	1
False positive rate (FP_r)	$FP_r = \frac{FP}{FP+TN}$	0
False alarm rate (FA_r)	$FA_r = \frac{FP}{TP+FP}$	0
Threat score (TS)	$TS = \frac{TP}{TP+FN+FP}$	1