Balanced error for binary classification (NIPS 2003 feature selection contest)

	Pre	ediction	
		Class 0	Class 1
Truth	Class 0	а	b
	Class 1	С	D

Balanced error rate is

$$ber = \frac{1}{2} \left( \frac{b}{a+b} + \frac{c}{c+d} \right)$$