	Maximise recall st. constraint penalty on violation
Row	rector of services for tolerance
Kow	Input: $\bar{x} = (\bar{x}_1, \dots, \bar{x}_n)$, $\bar{y} = (y_1, \dots, y_n)$, C , \in , \bar{y} , \bar{y}
2	Initialise W Evector of labels set of min
3	C+ \$\phi\$ (empty set) [C is the set of constraints]
4	Repeat
5	(if , i., i., pos) < Sort { i: yi=1} by w xi positives
6	(in,, in sort {i'y; = -1} by WTXi Indices of negatives.
7	for $a \in [0,, \#pos]$ do
8	C+ #pos - a
9	set yir,, yir to 1
(0	Set yie to -1
()	for $d \in [0,, \# neg]$ do
12	b + #neg - d
13	set yin,, yin to
14	Set yin, , , , ying to -
15	If a >, P then
16	$V \leftarrow 100 \left(1 - \frac{a}{a+c} \right) + \overline{w}^{T} \sum_{i=1}^{n} y_{i} \overline{x}_{i}$
17	Else
18	$V \leftarrow 100 + \overline{w}^{T} \sum_{i=1}^{n} y_{i}^{i} \overline{x}_{i}$
19	End of