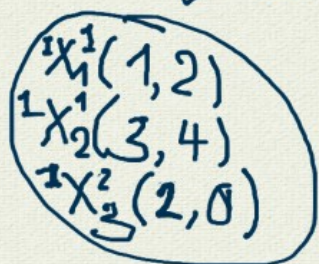


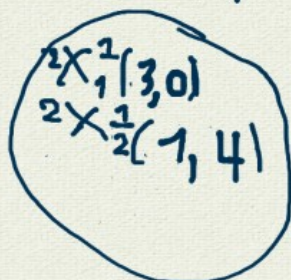
$m_b = 2$ (max bins / feature)

$m_c = 2$ (max candidates / partitions)

$C = 2$ (classes)



part 1

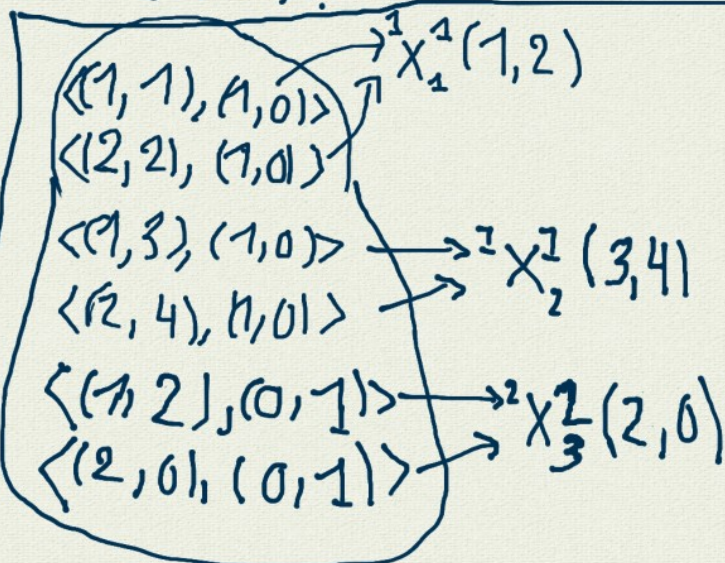


part 2

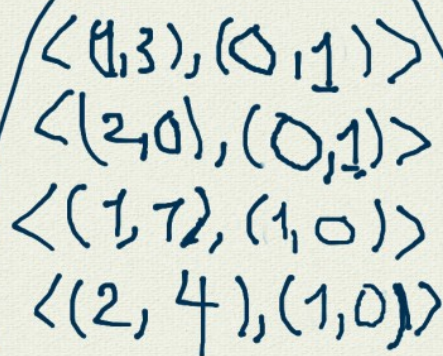
$i x_j^c$: i^{th} examples in part j , \in class c

Line 1 - 5:

RDD
'comb' ←



part 1



part 2

#Line 10, 11, 12:

RDD
'sorted'

$\langle (1, 1), (2, 0) \rangle$
 $\langle (1, 2), (0, 1) \rangle$
 $\langle (1, 3), (1, 1) \rangle$
 $\langle (2, 0), (0, 2) \rangle$

part 1

$\langle (2, 2), (3, 0) \rangle$

$\langle (2, 4), (2, 0) \rangle$

part 2

#Line 13:

$\langle (1, 1.5), (2, 0) \rangle$

$\langle (1, 2.5), (0, 1) \rangle$

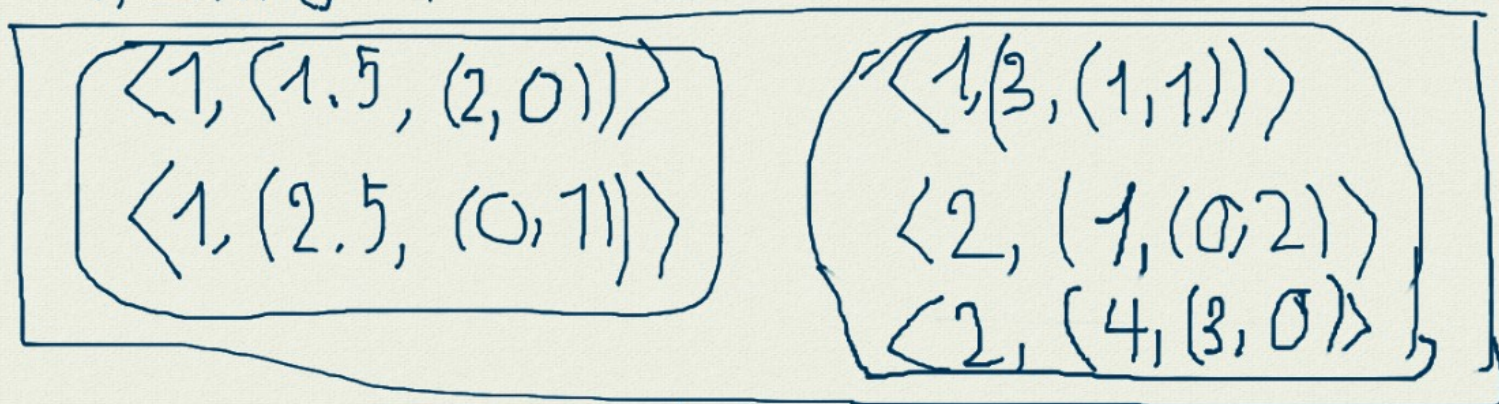
$\langle (1, 3), (1, 1) \rangle$

$\langle (2, 1), (0, 2) \rangle$

$\langle (2, 4), (3, 0) \rangle$

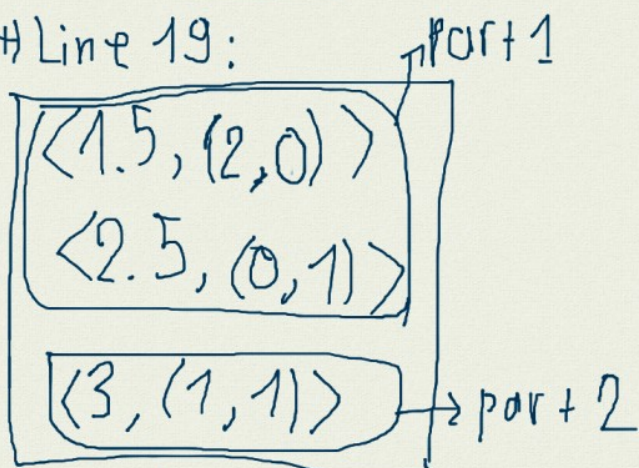
RDD 'bds'

Line 14-18:

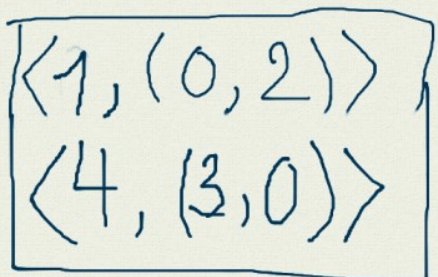


RDP \downarrow 'big' 1

Line 19:



RDP 'big' 1 \leftarrow



\downarrow arr 'small' 2

Line 20-22: $t_0 + t_1 = (3, 2) = t_{total}$

$\langle 1.5, (2, 0), (2, 0), (1, 2) \rangle$
 $\langle 2.5, (0, 1), (2, 1), (-1, 1) \rangle$

$\langle 3, (1, 1), (3, 2), (0, 0) \rangle$

RDD 'big' 1

$\langle 1, (0, 2), (0, 2), (3, 0) \rangle$

$\langle 4, (3, 0), (3, 2), (0, 0) \rangle$

curr 'small' 2

→ Then for each feature, select the minimum-entropy cut point satisfying MDLP criteria
→ divide points t_0 (left, right)
→ recursive