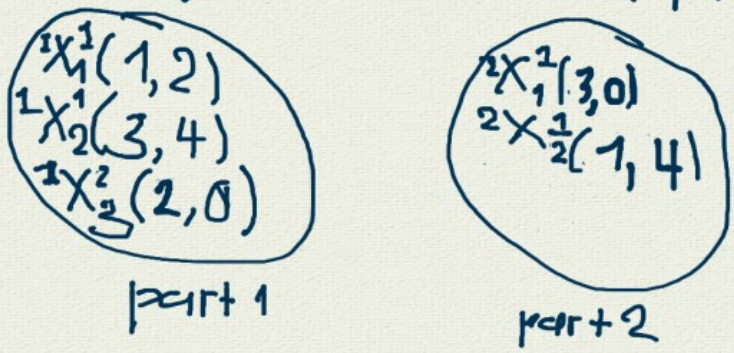
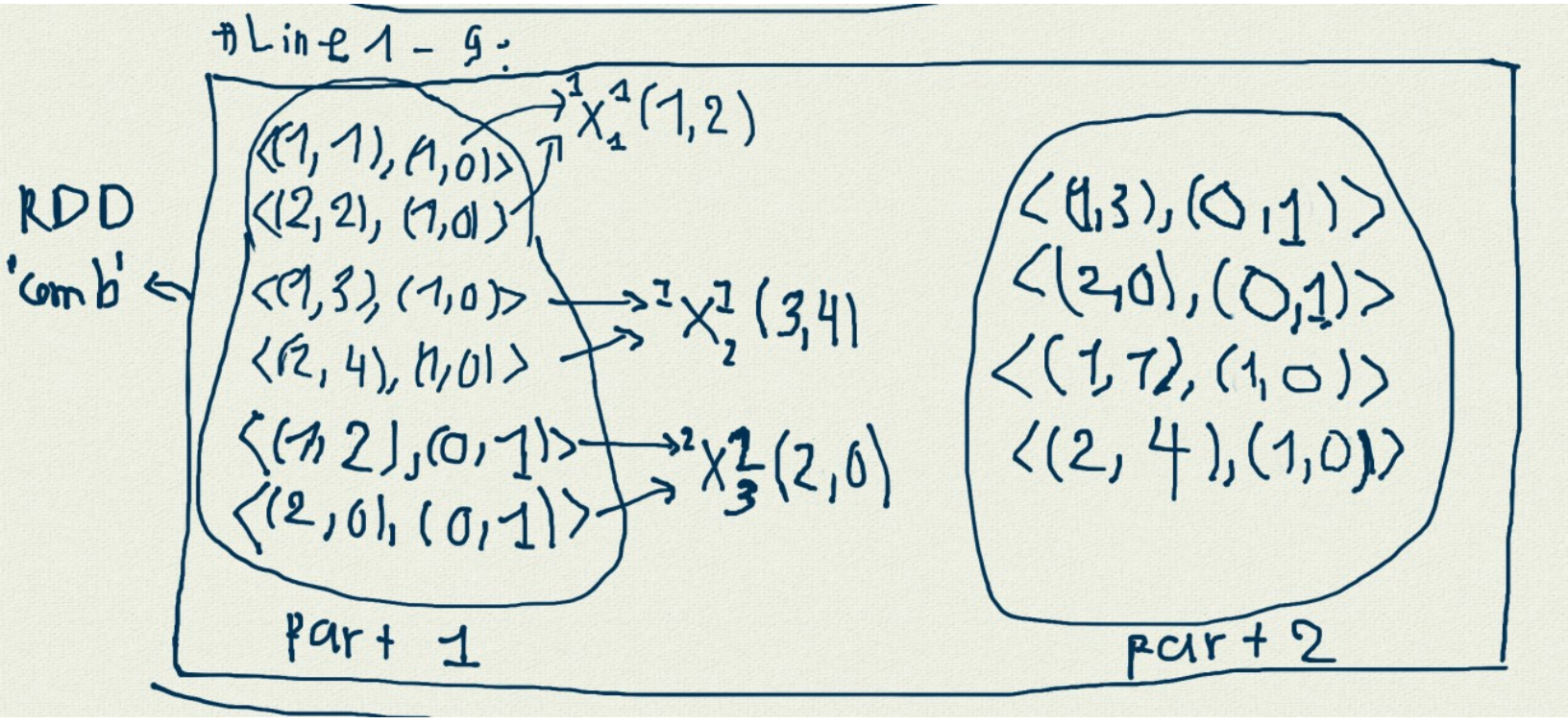
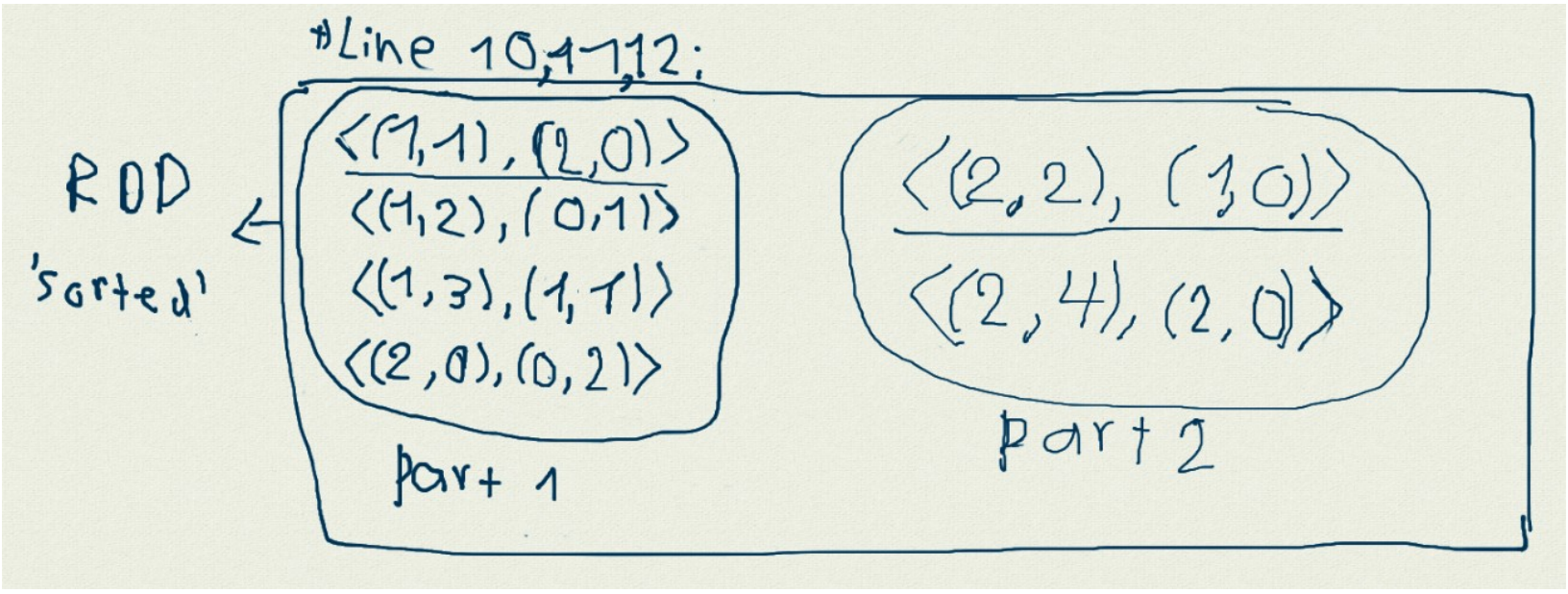
$m_b = 2$ (max bins / feature) $C = 2$ (classes)

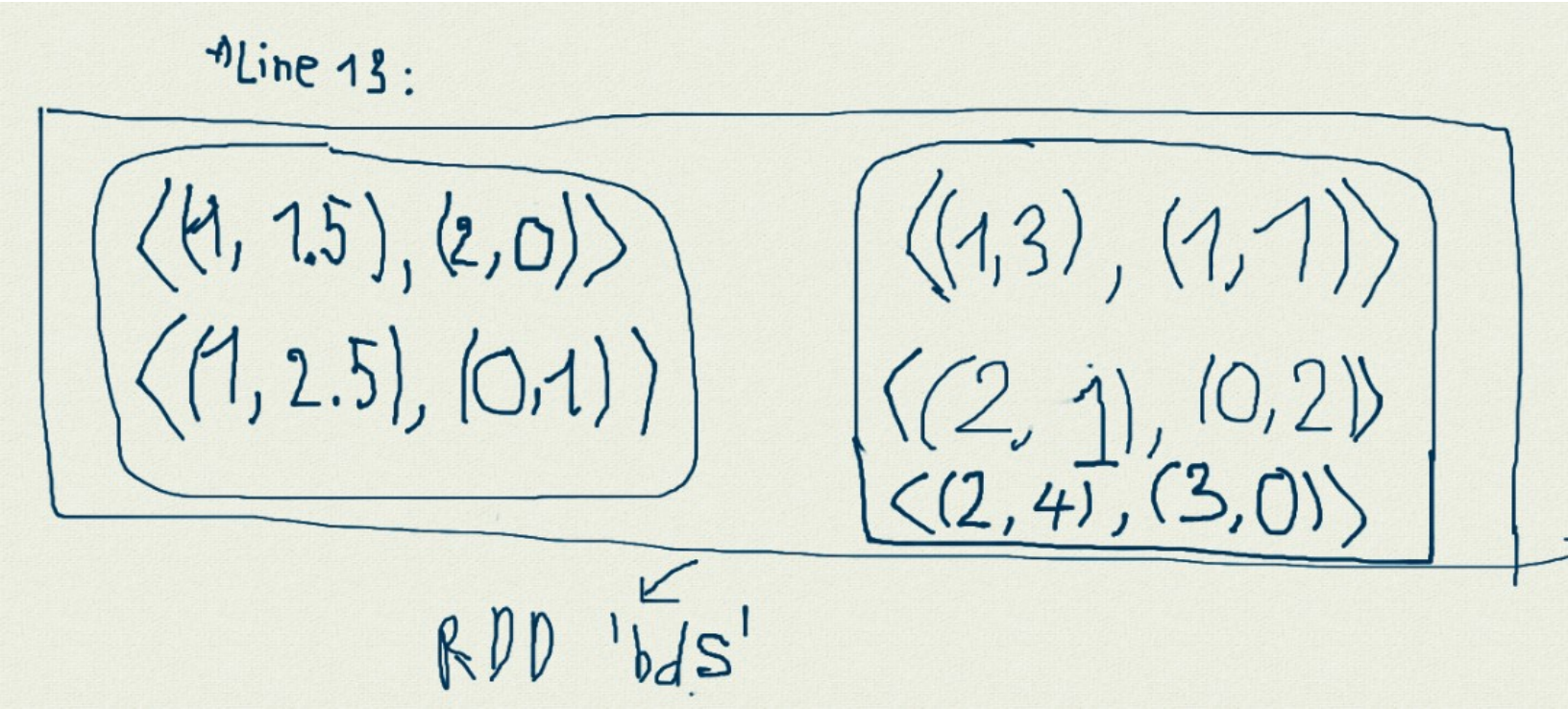
$m_c = 2$ (max candidates / partitions)



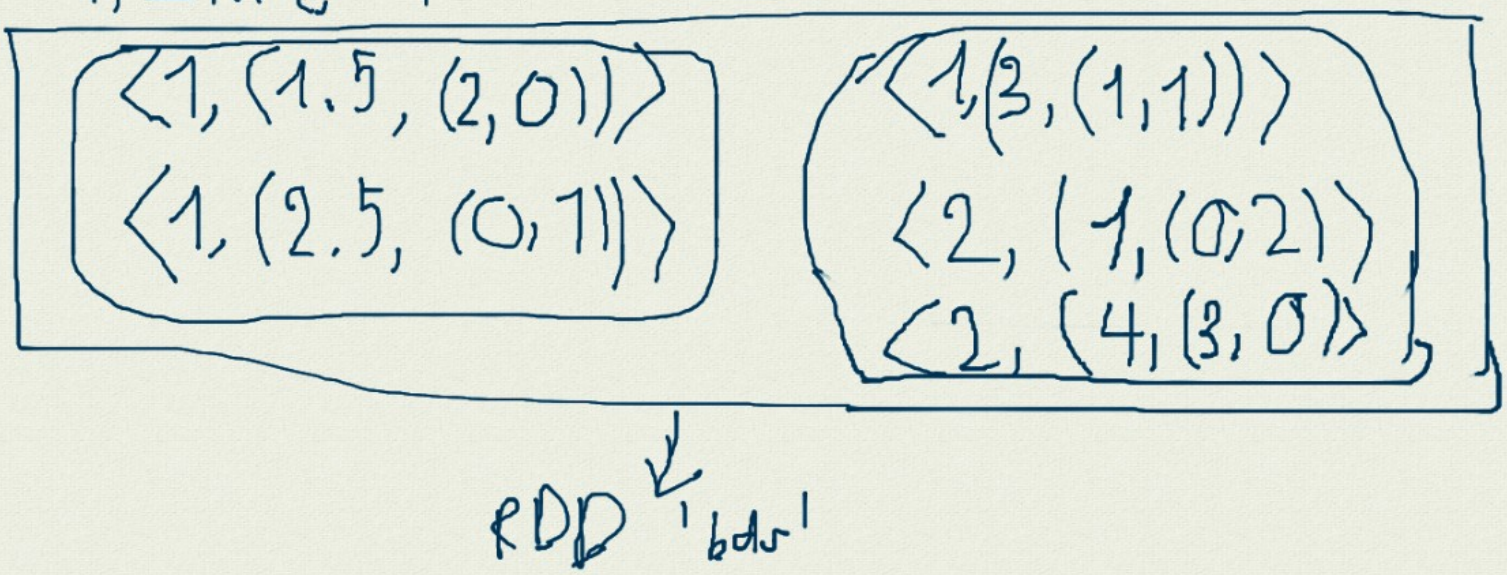
$^jX_i^c$: i^{th} examples in part j, $\in$ class c



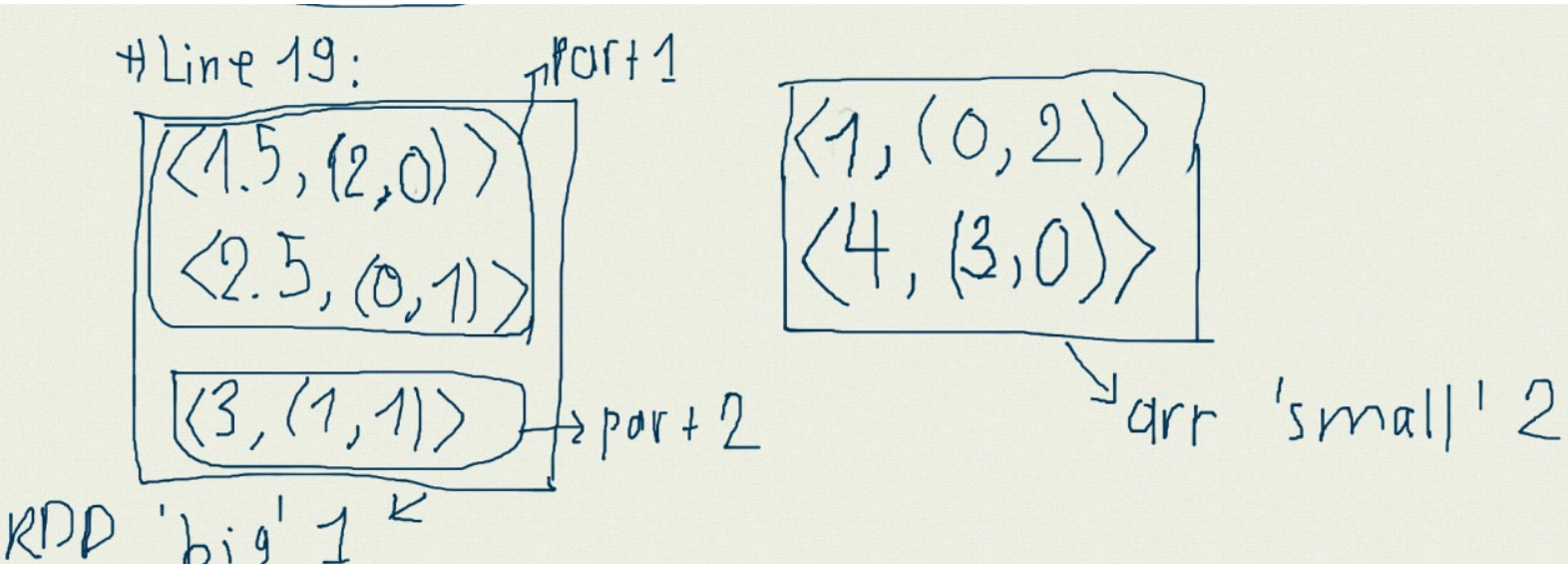

*Line 10,11,12:
RDD
'sorted'
<(1,1),(2,0)>
<(1,2),(0,1)>
<(1,3),(1,1)>
<(2,0),(0,2)>
part 1
<(2,2),(1,0)>
<(2,4),(2,0)>
part 2

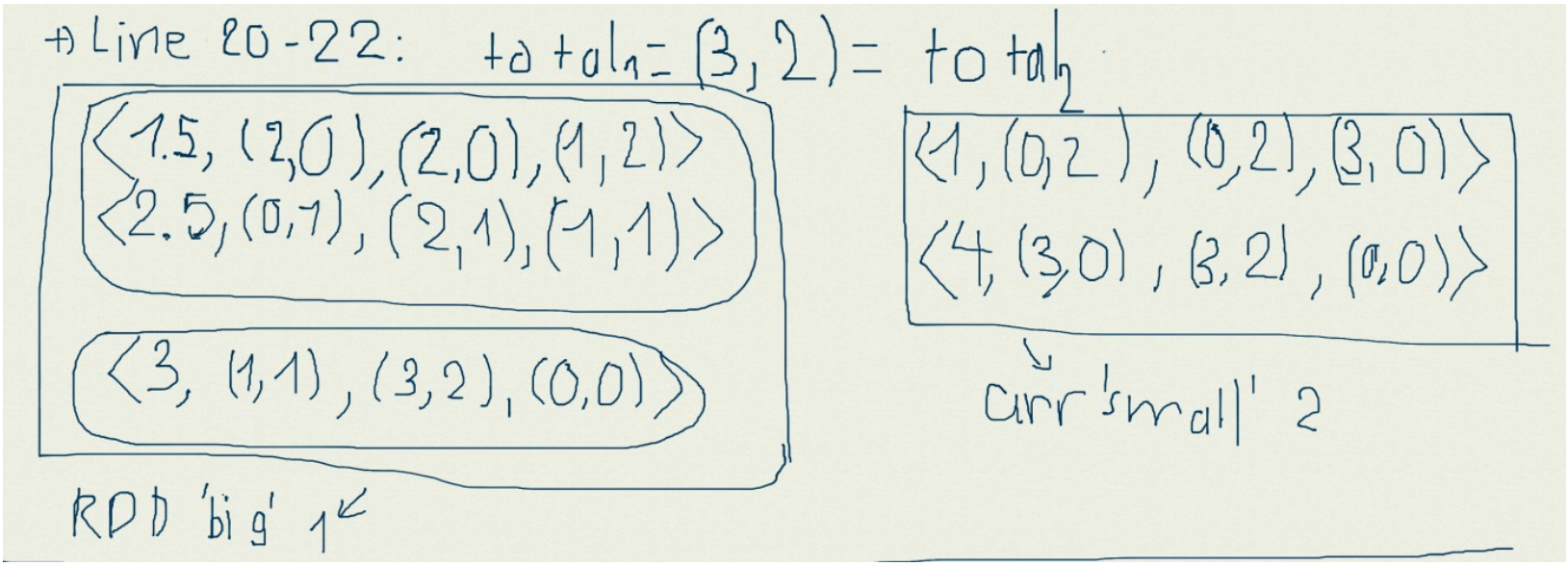

*Line 13:
<(1,1.5),(2,0)>
<(1,2.5),(0,1)>
<(1,3),(1,1)>
<(2,1),(0,2)>
<(2,4),(3,0)>
RDD 'bds'

#Line 14-18:



#Line 19:





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