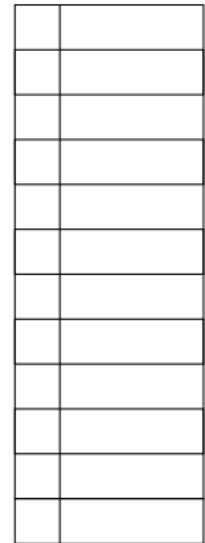


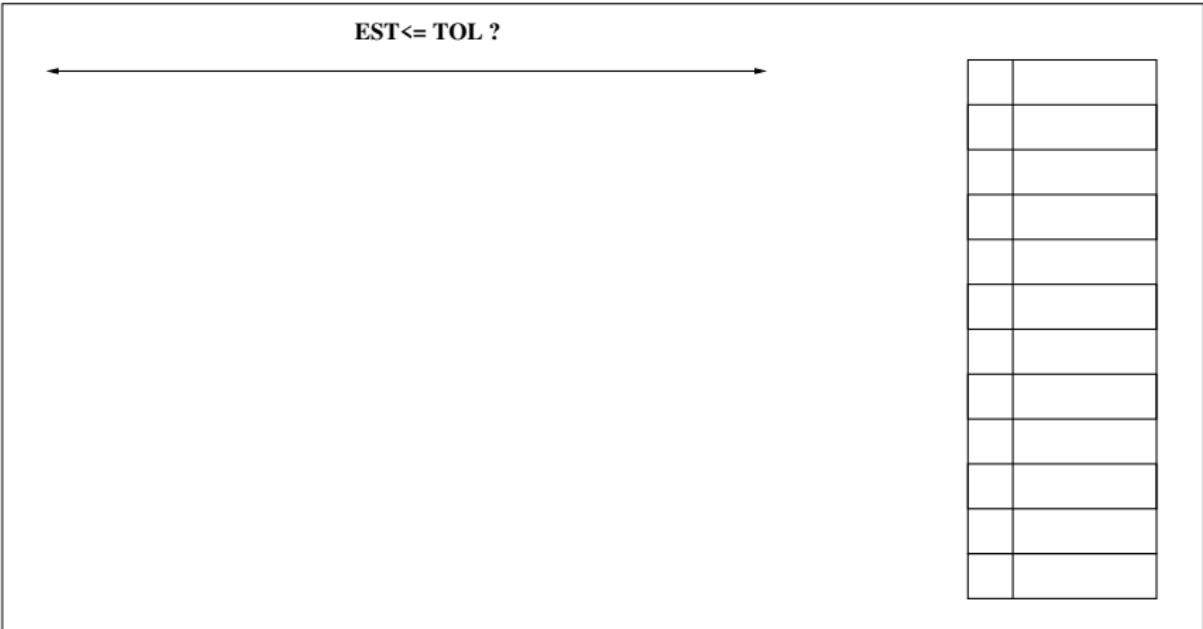
# Local adaptation – QUANC8 code

$$\text{criterion } EST|_K \leq TOL \frac{|K|}{|b-a|} = TOL \cdot 2^{-\ell}$$



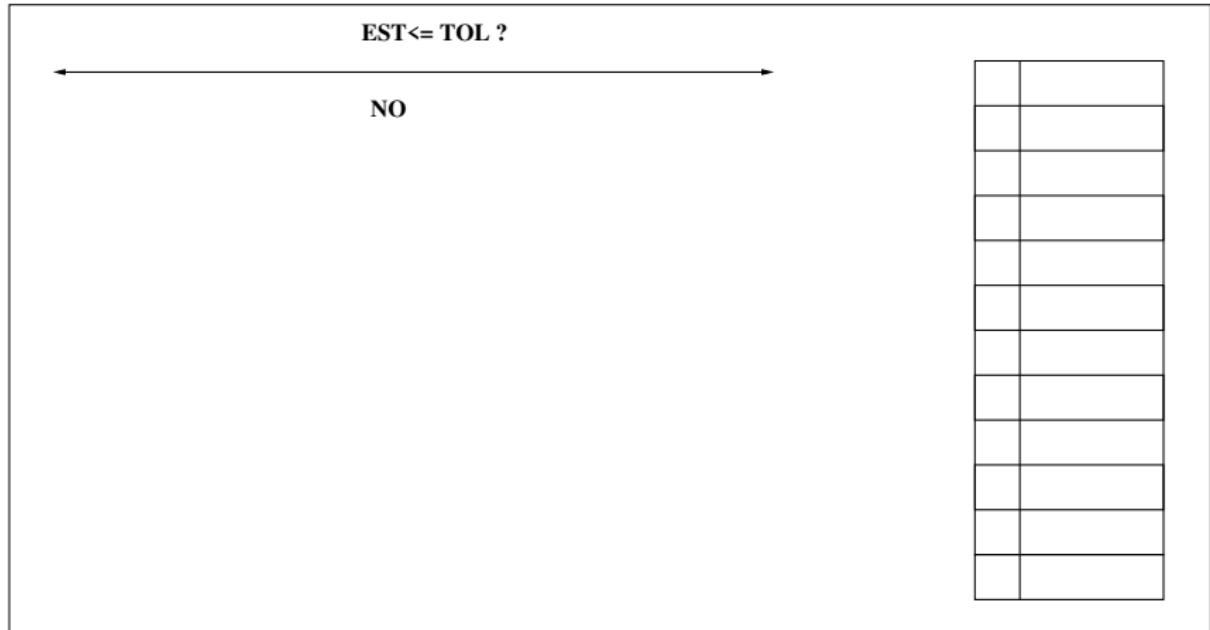
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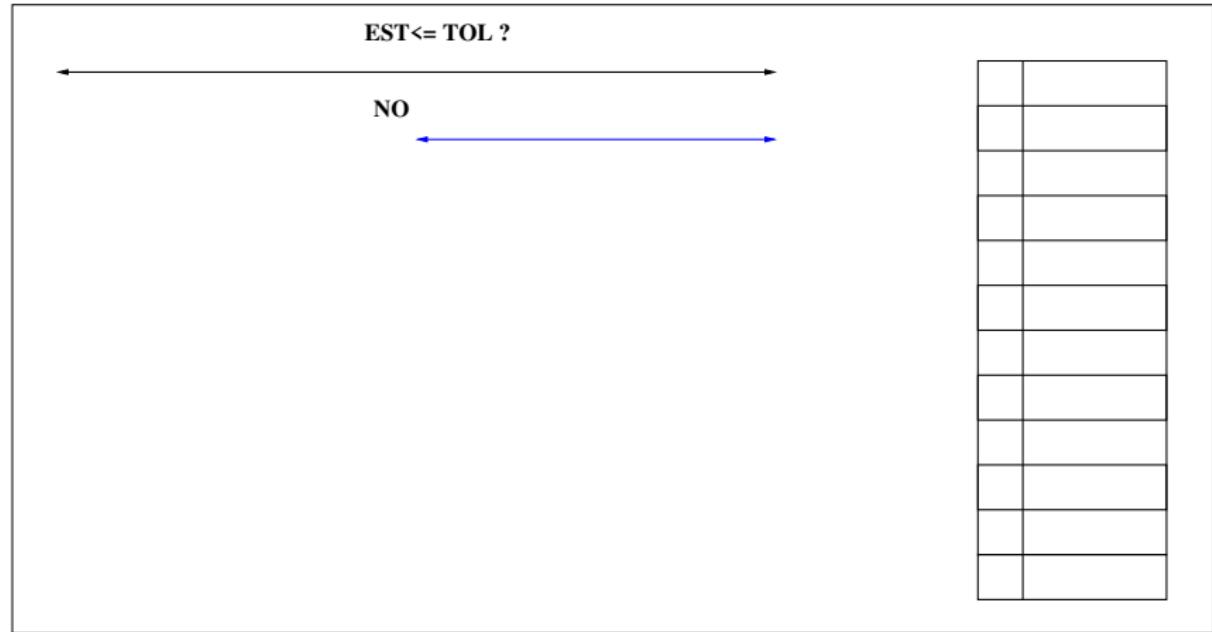
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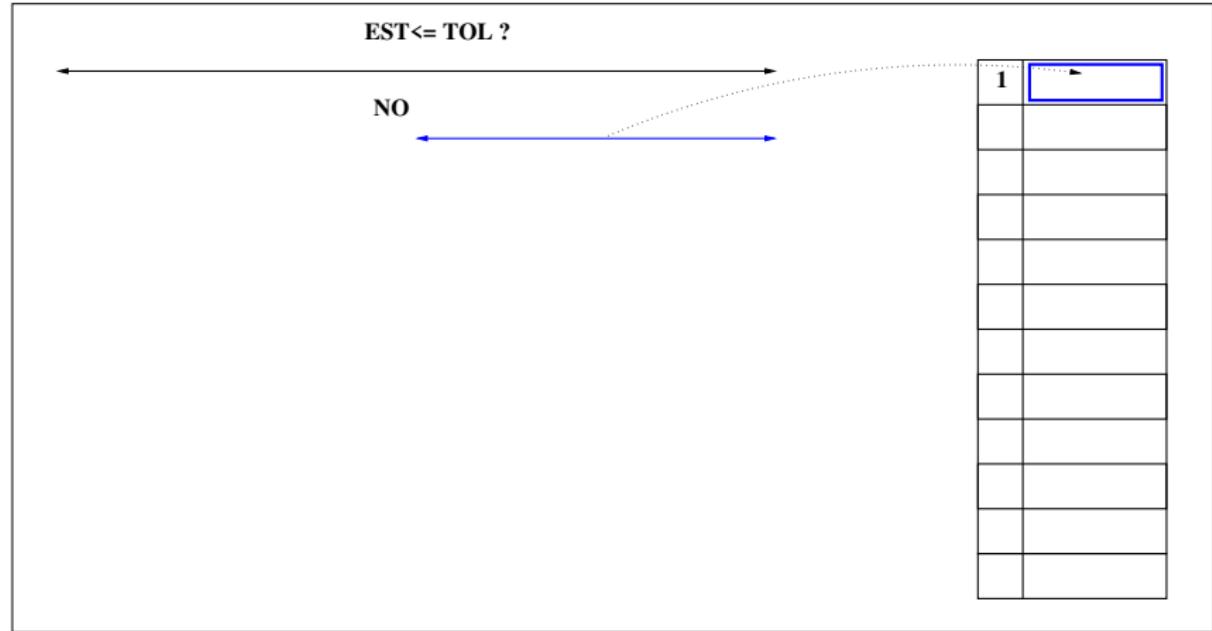
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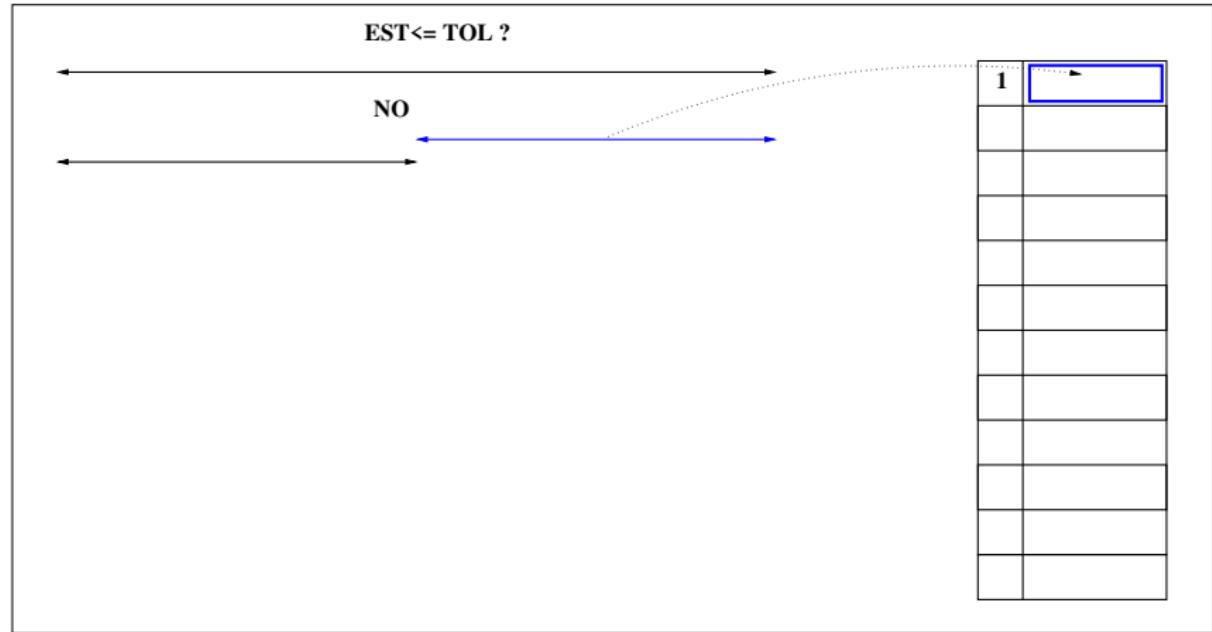
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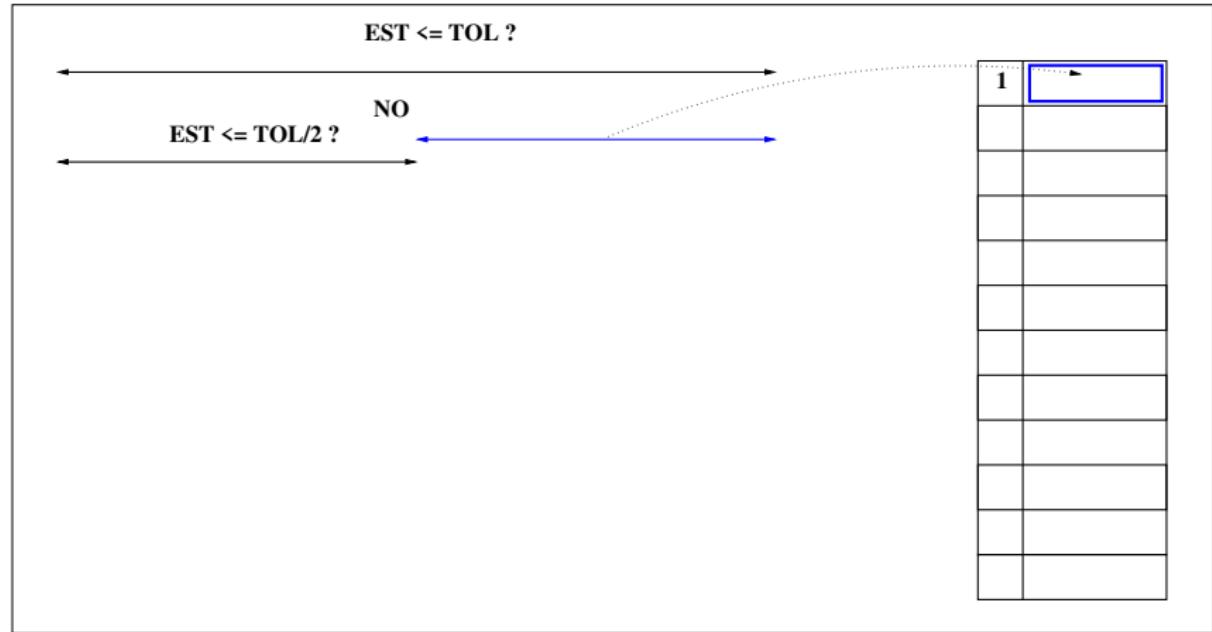
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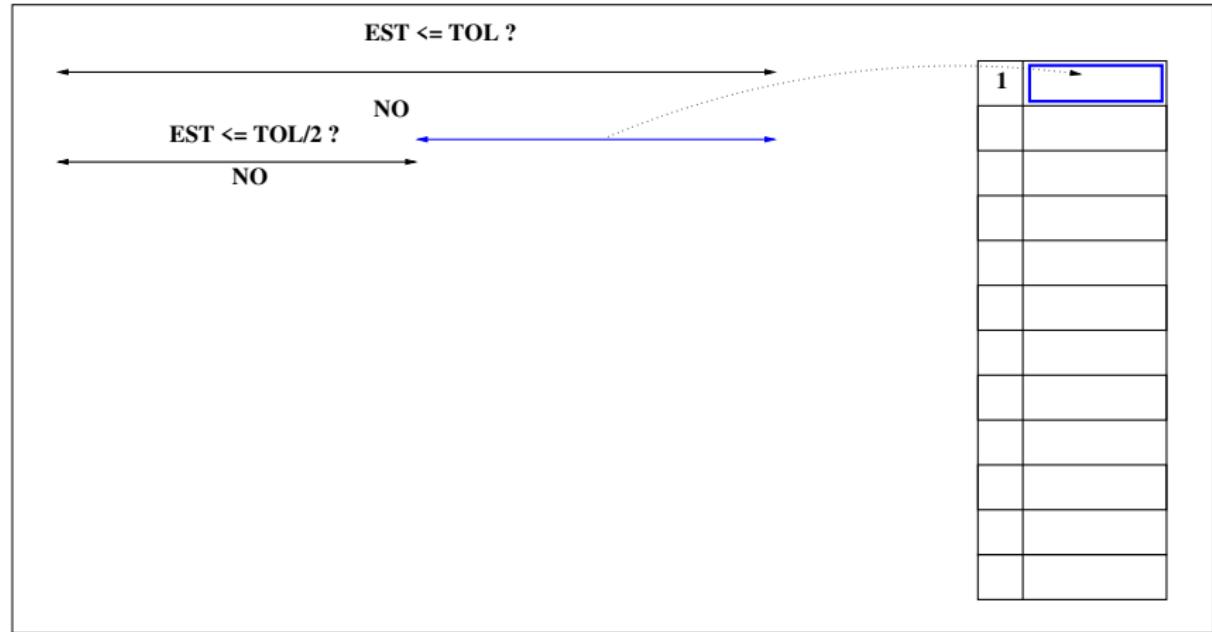
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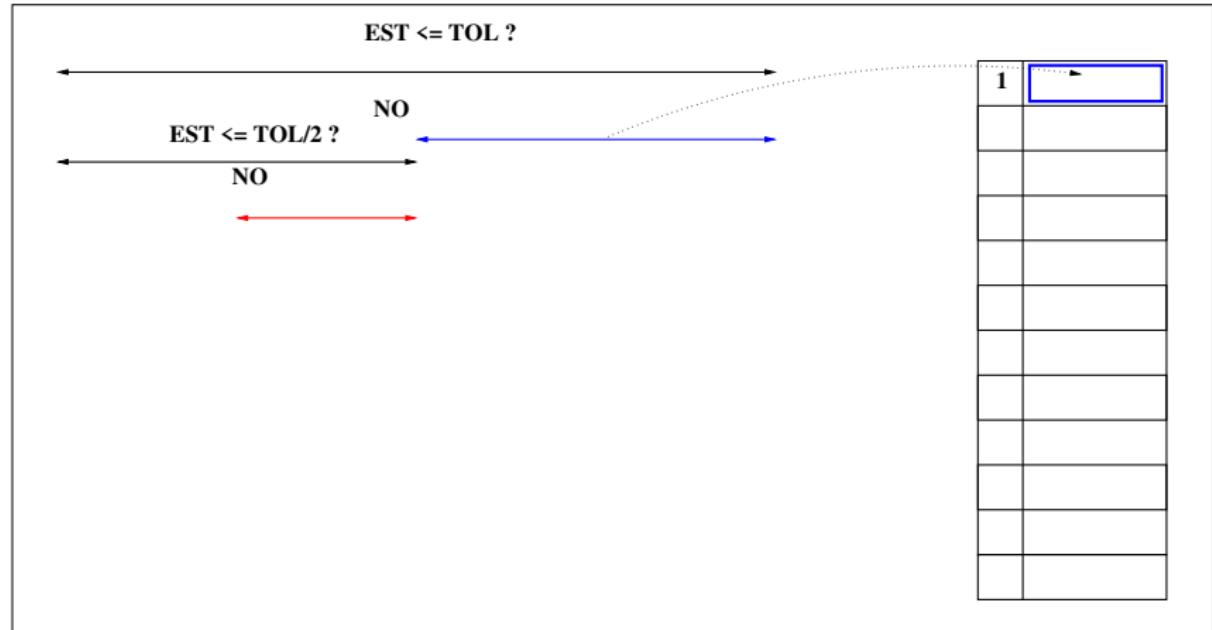
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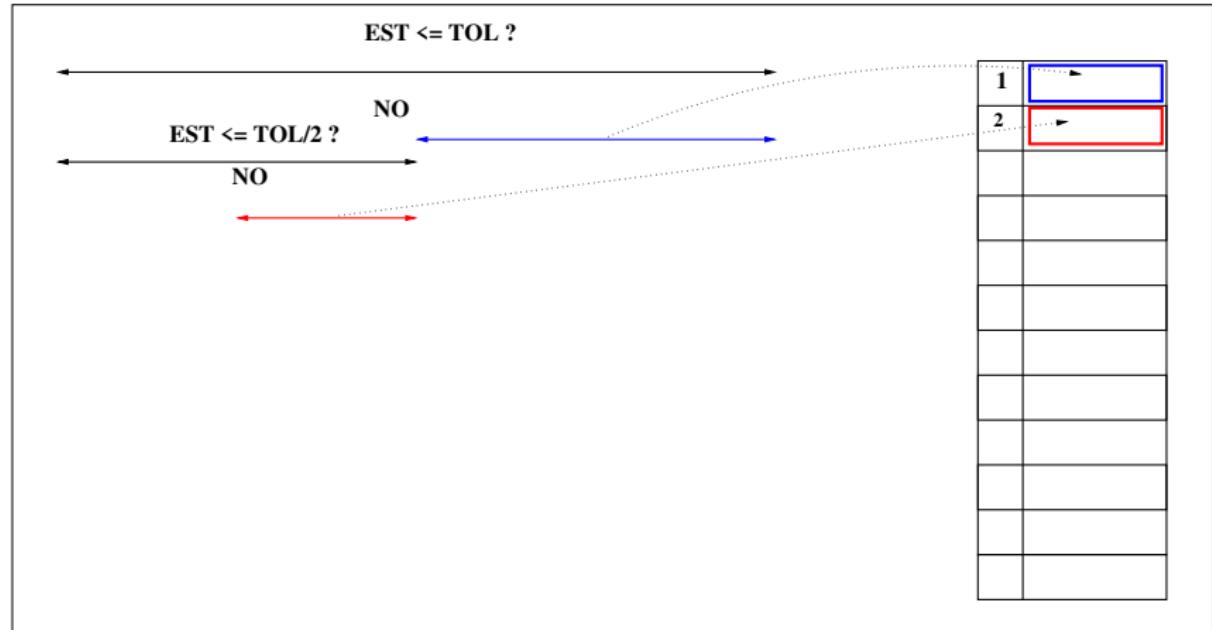
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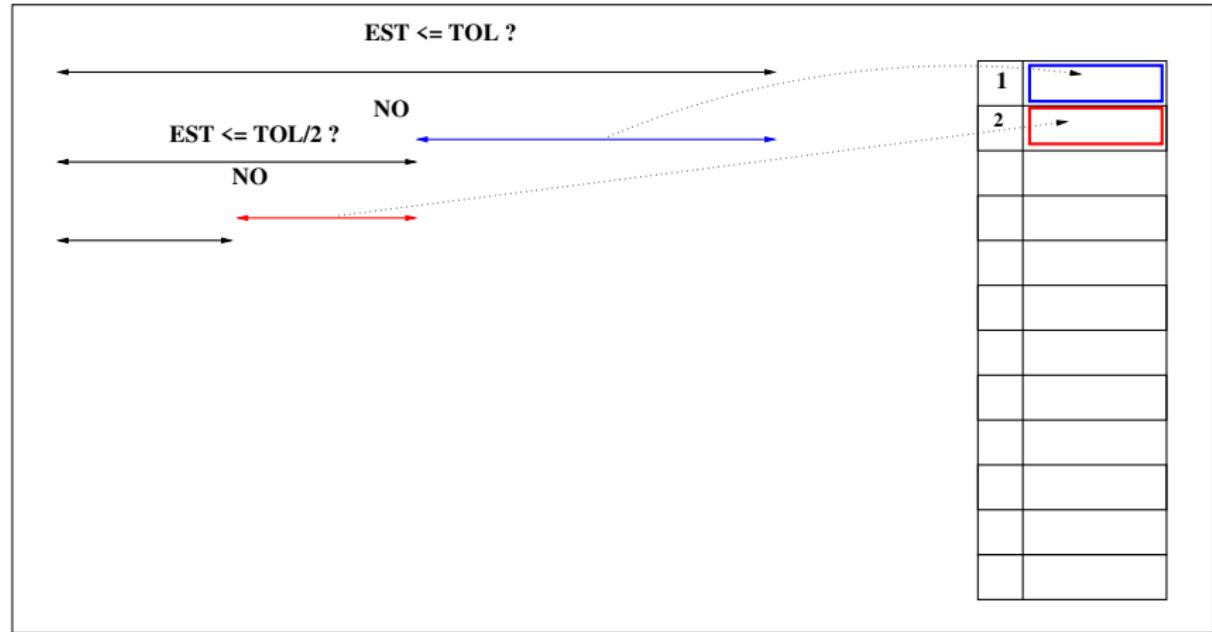
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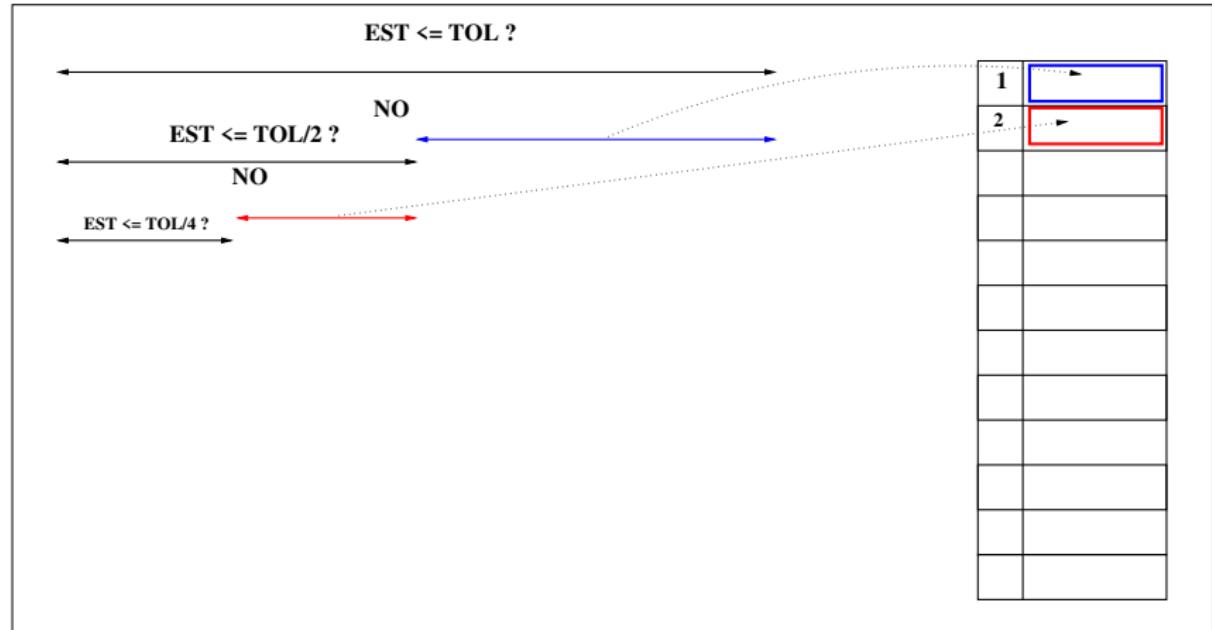
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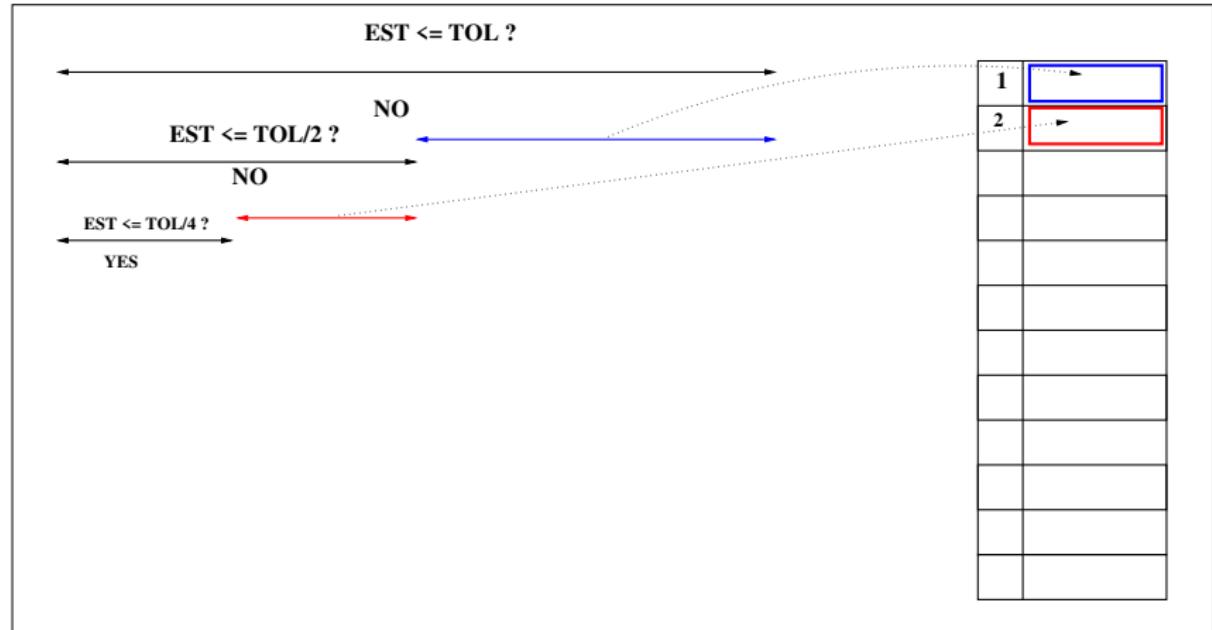
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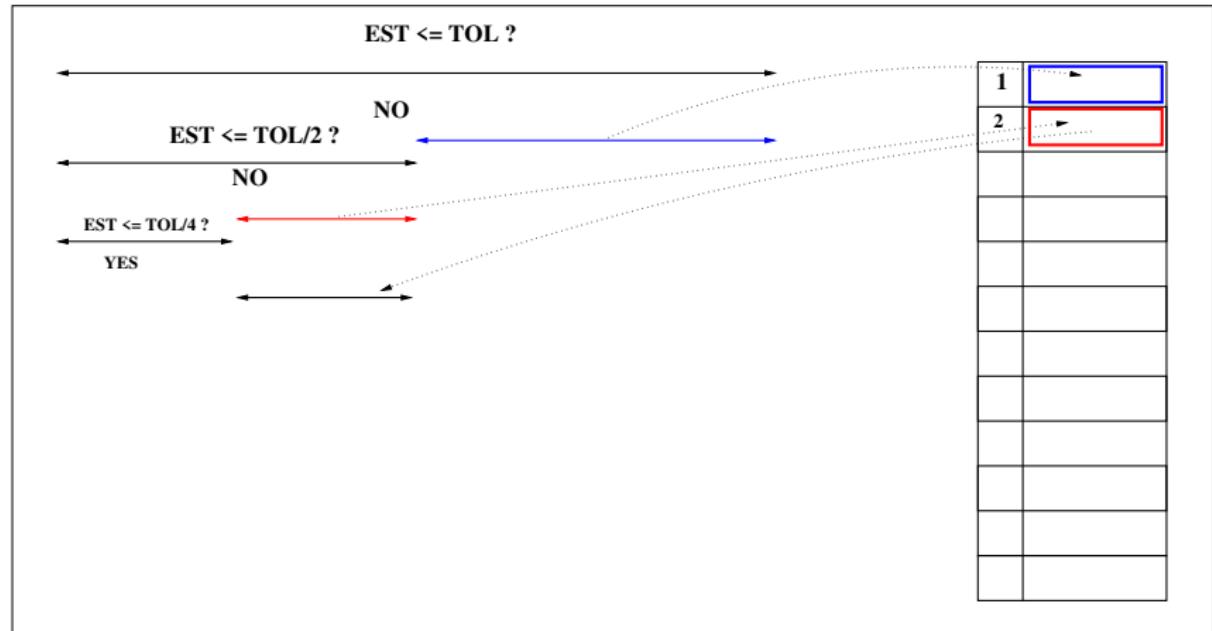
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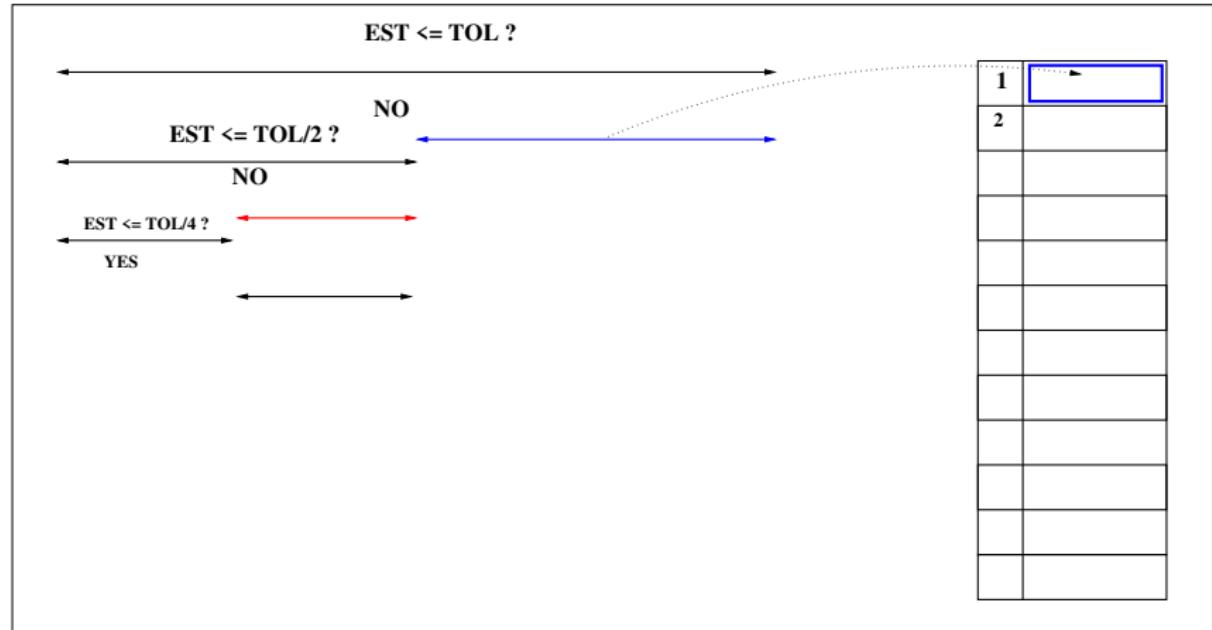
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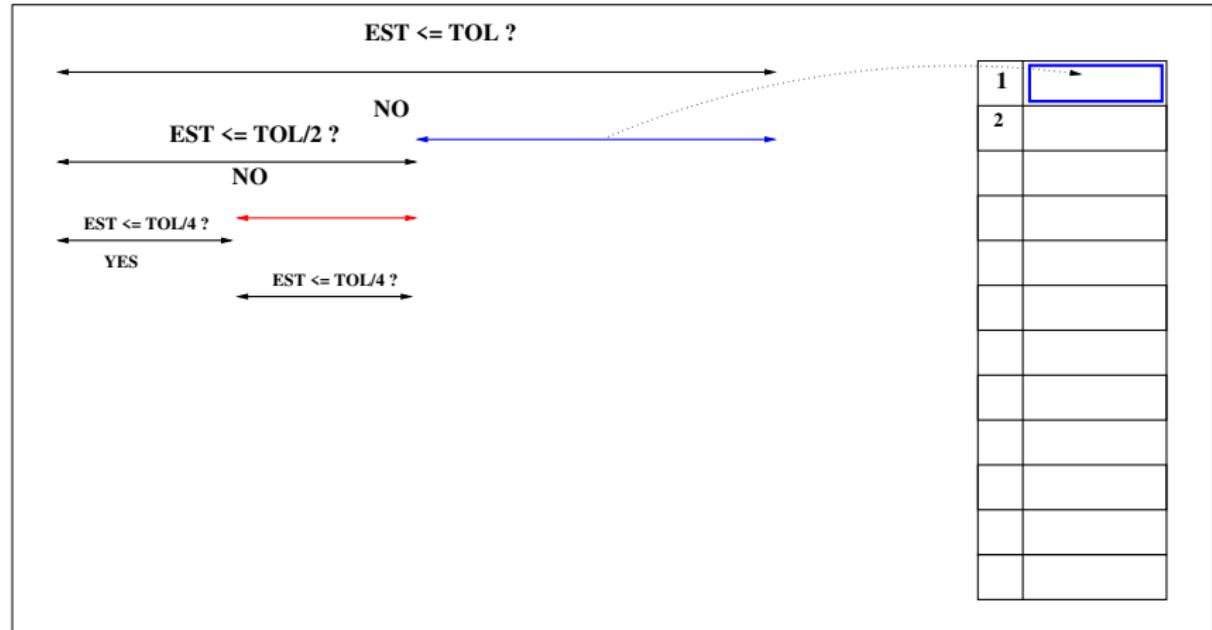
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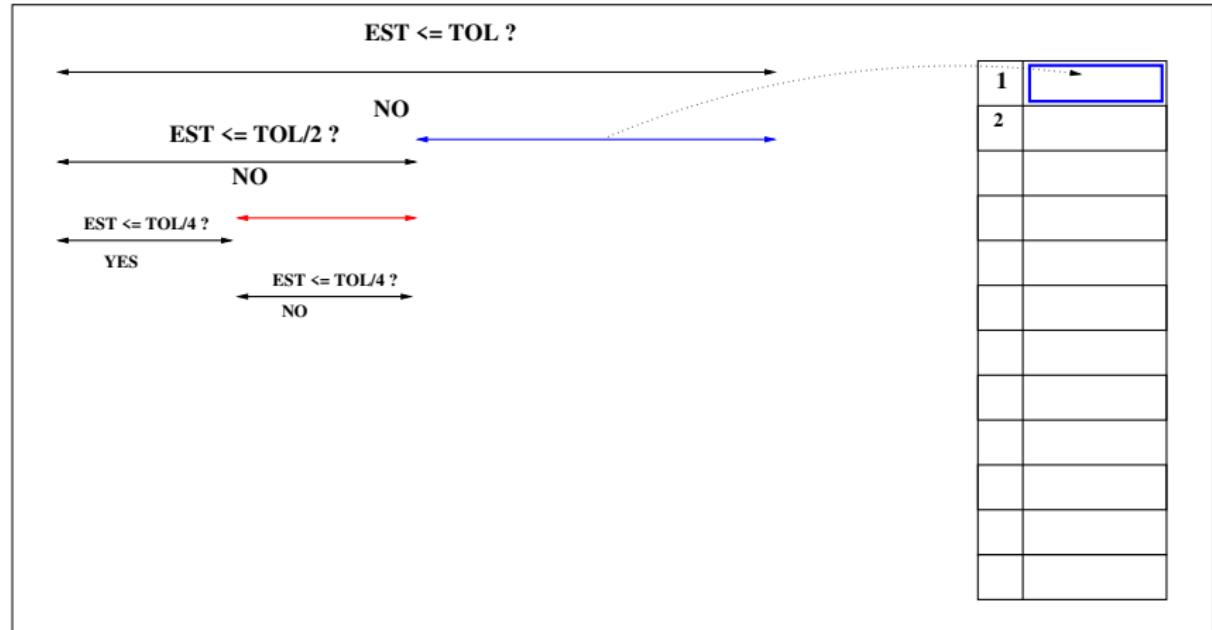
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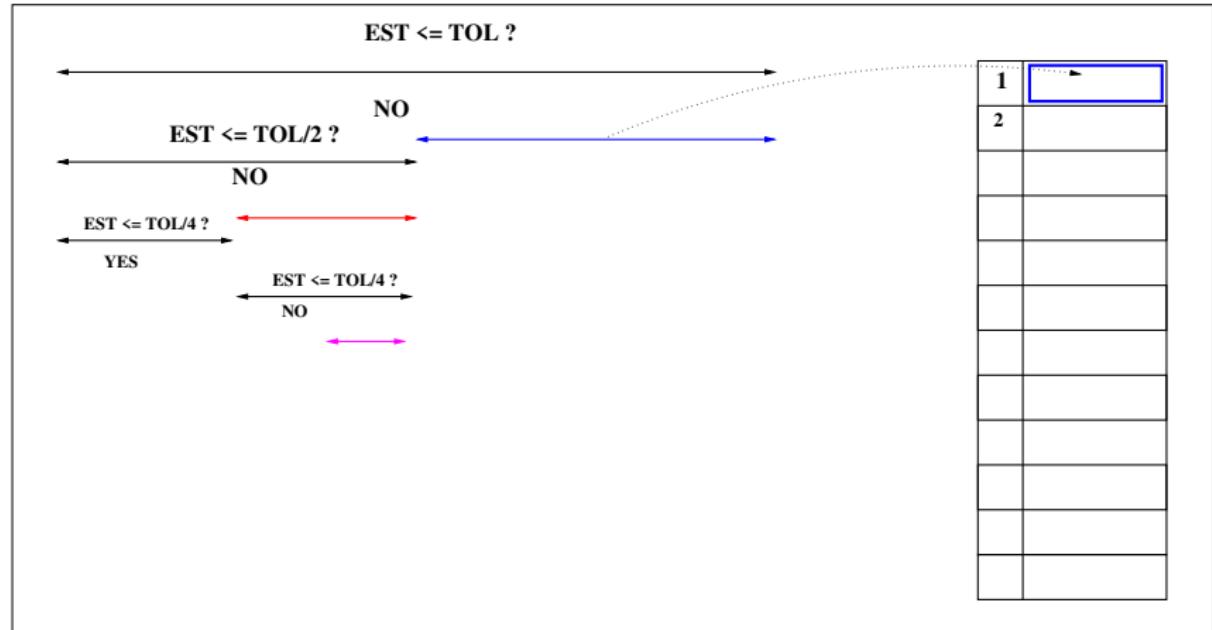
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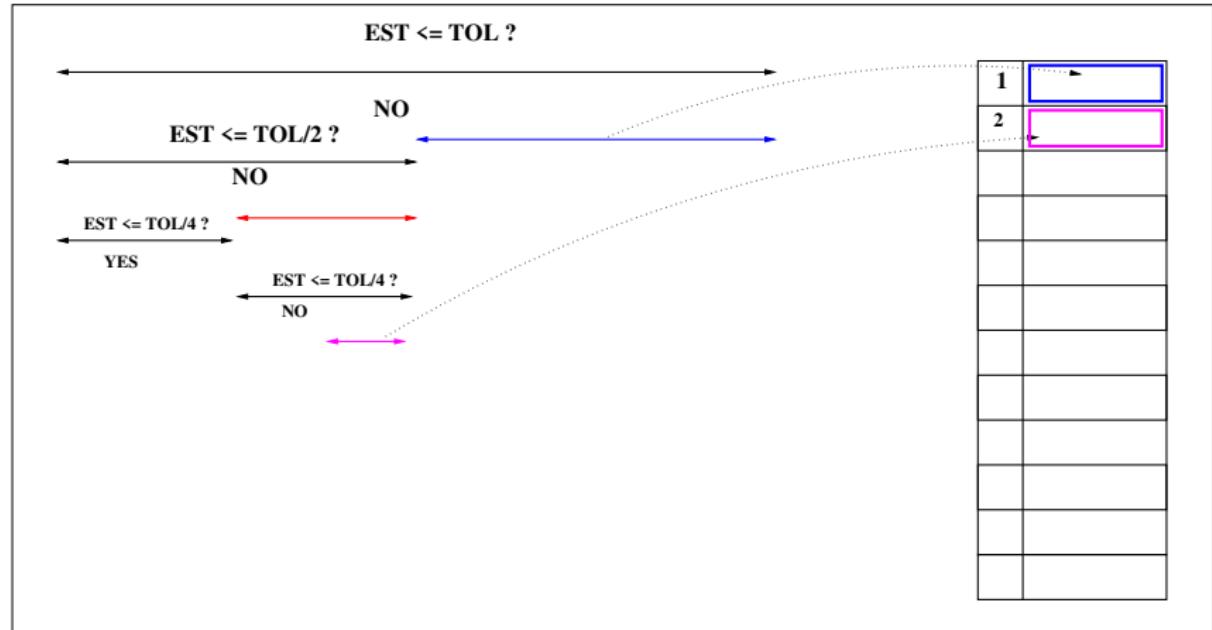
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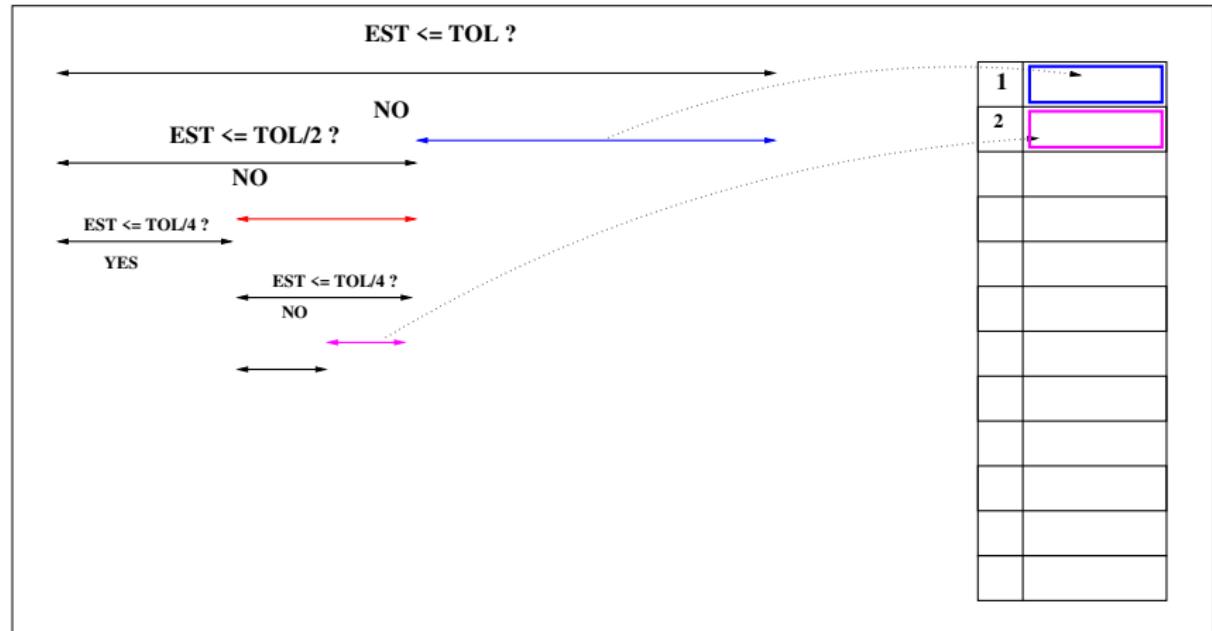
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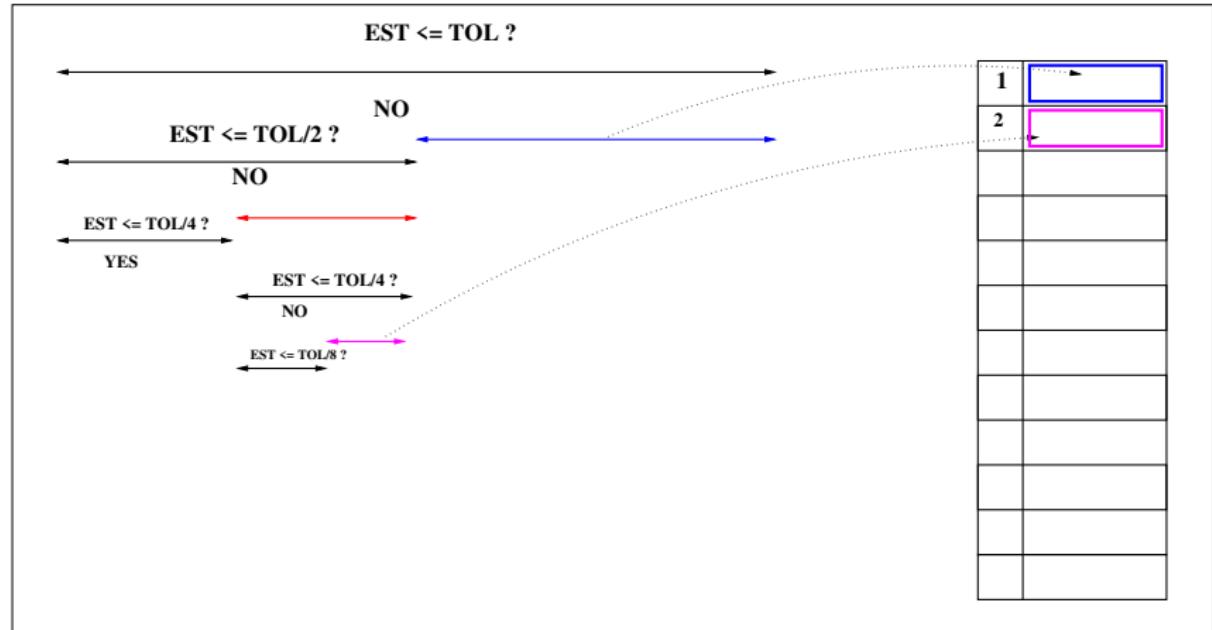
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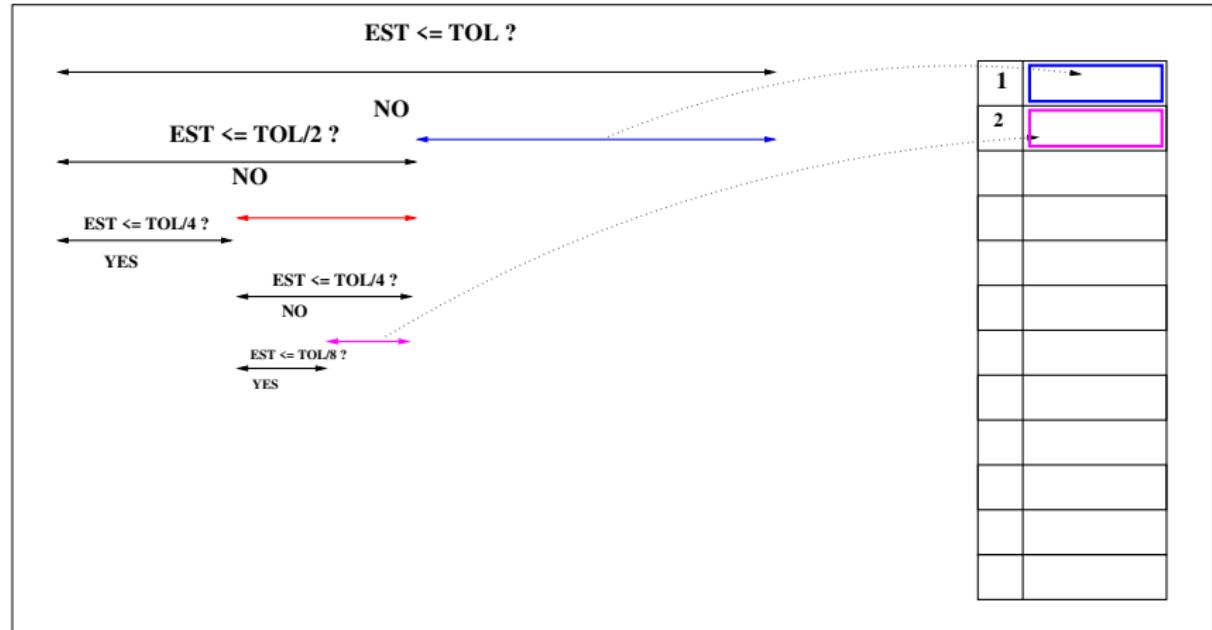
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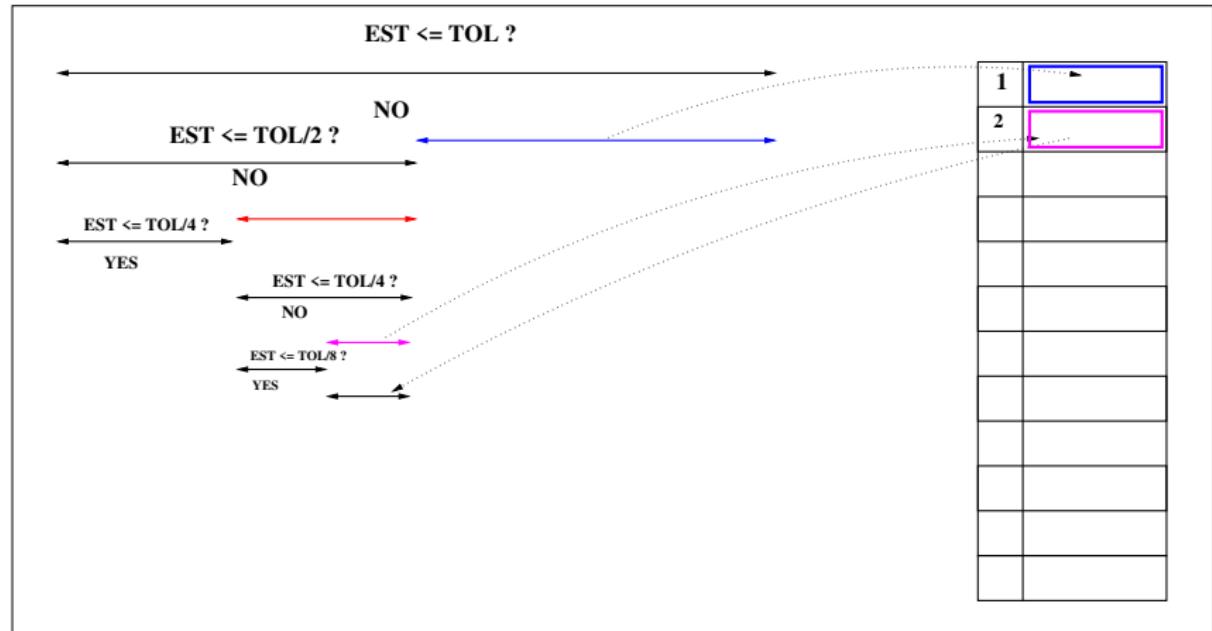
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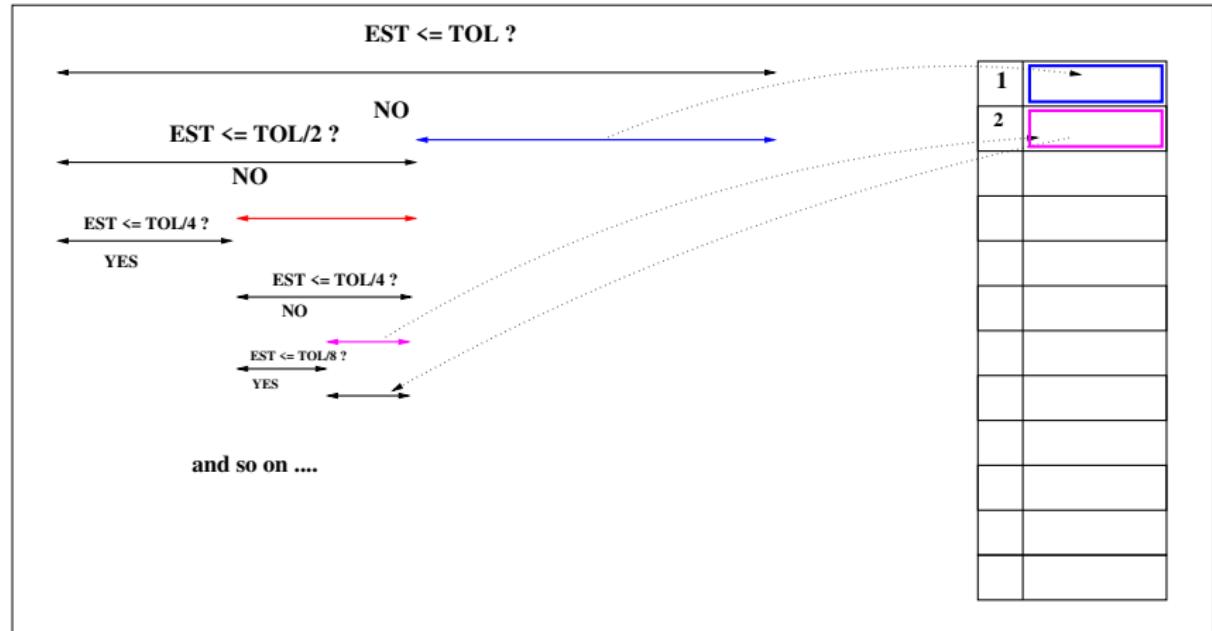
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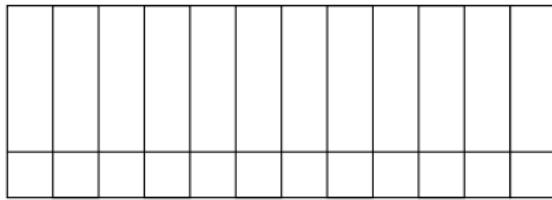
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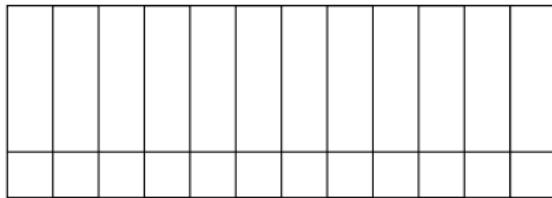
# Global adaptation – Q1DA code

criterion  $\sum_K EST|_K \leq TOL$



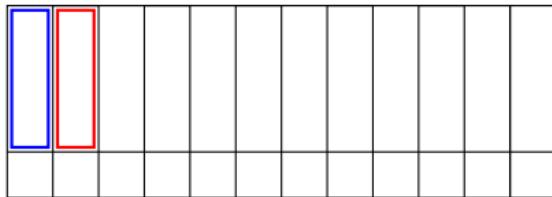
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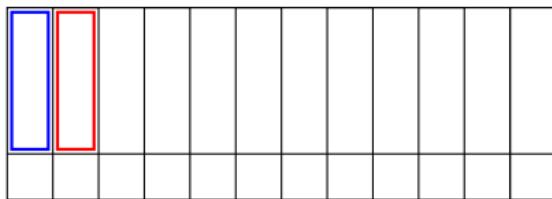
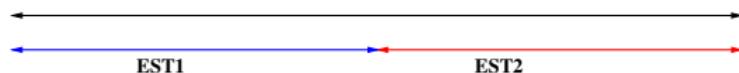
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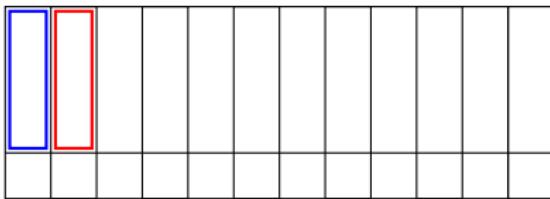
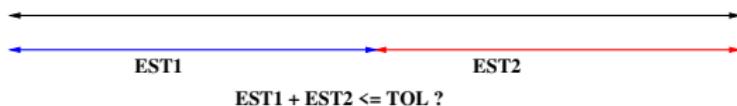
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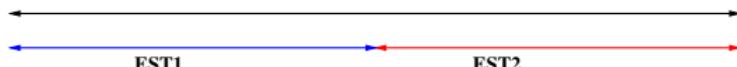
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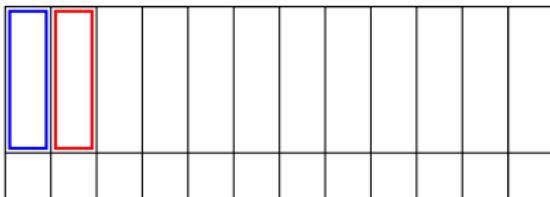
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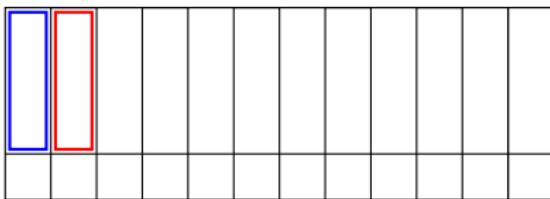
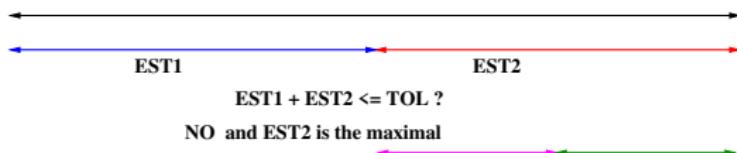
EST1 + EST2 <= TOL ?

NO and EST2 is the maximal



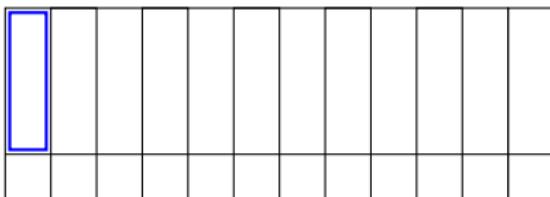
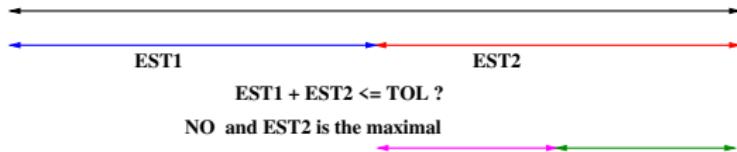
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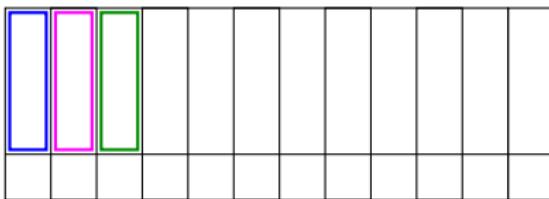
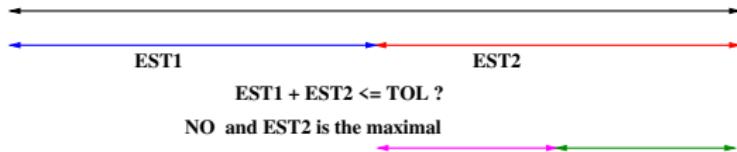
# Global adaptation – Q1DA code

$$\text{criterion } \sum_K EST|_K \leq TOL$$



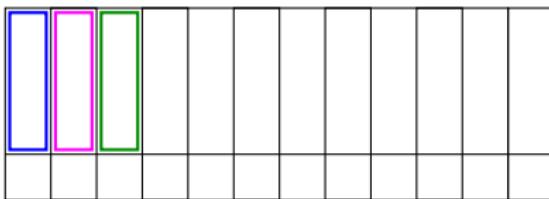
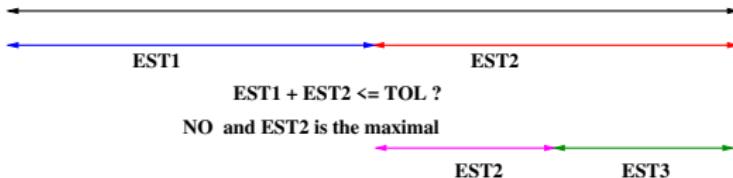
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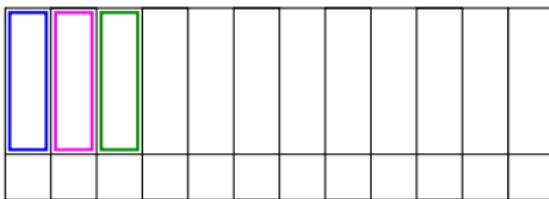
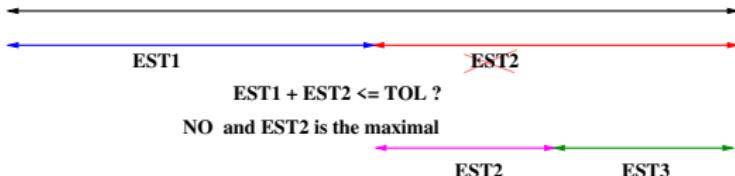
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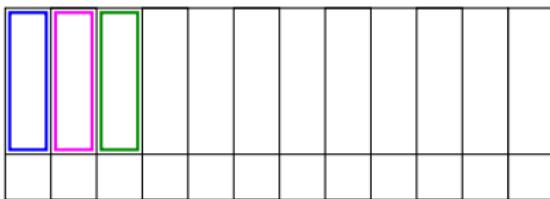
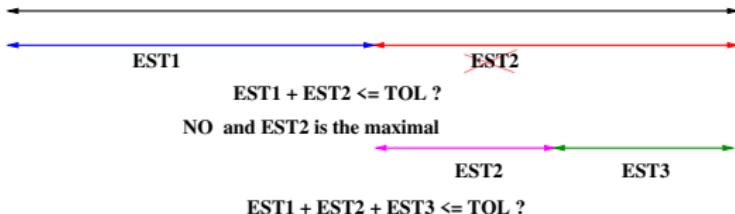
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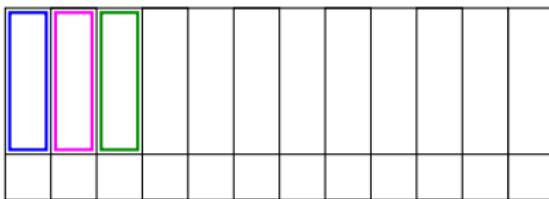
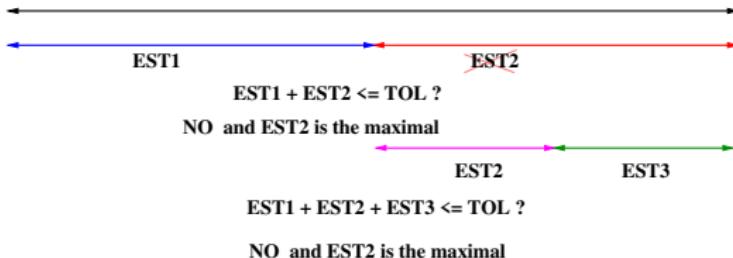
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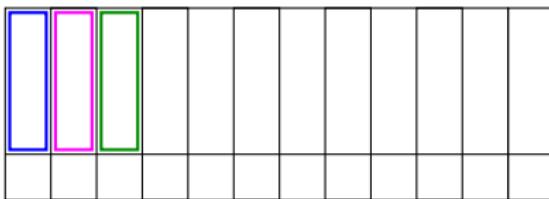
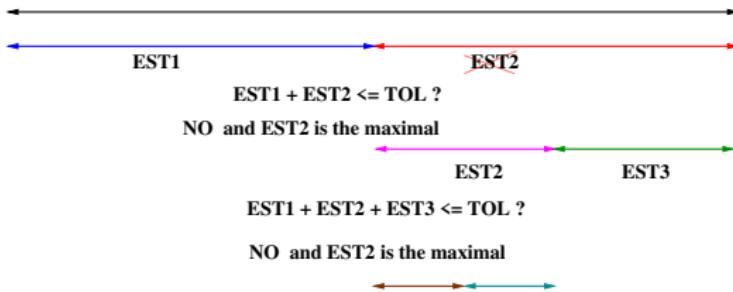
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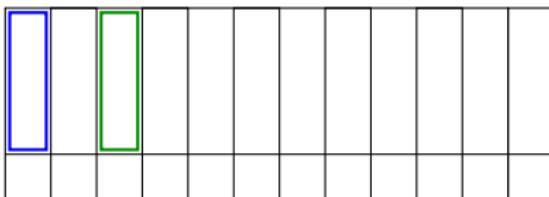
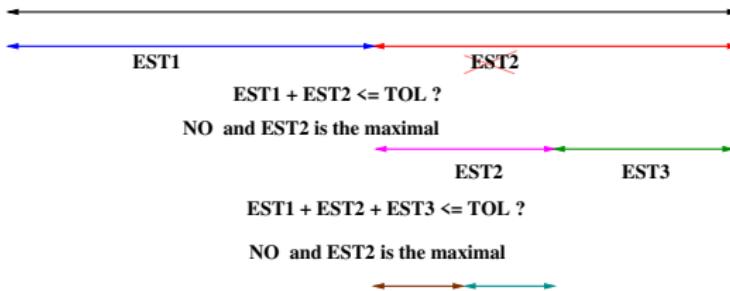
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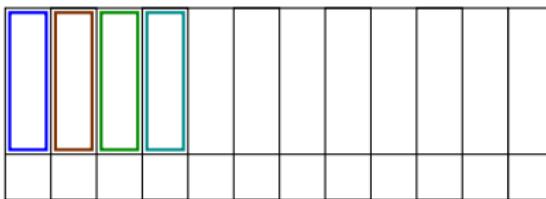
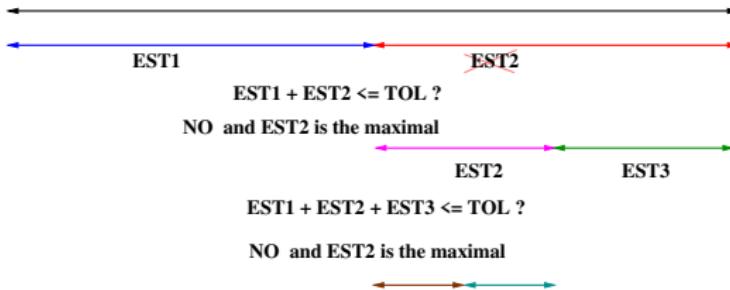
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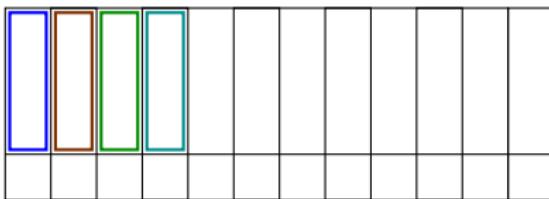
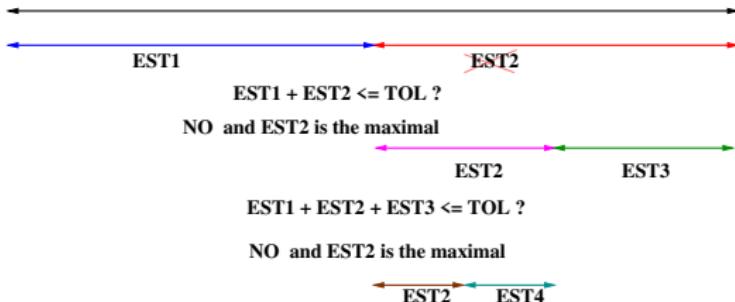
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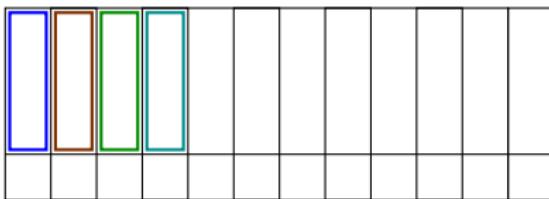
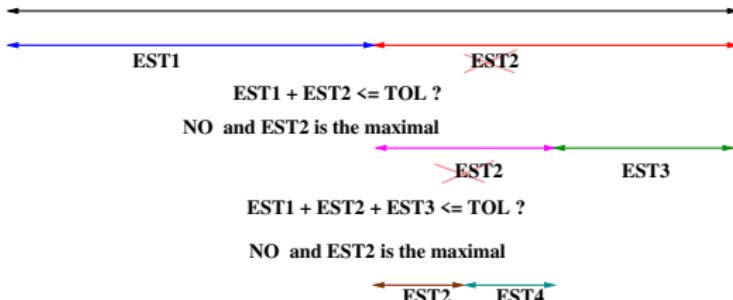
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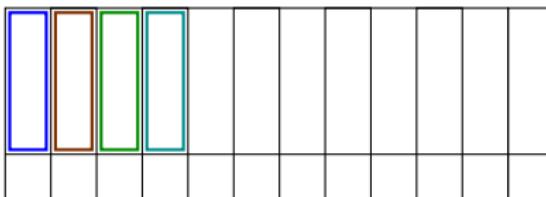
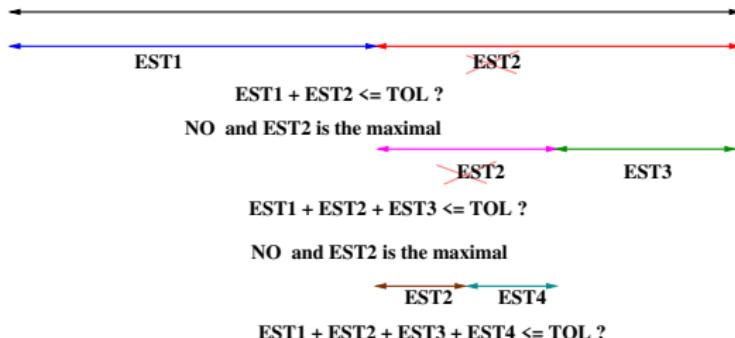
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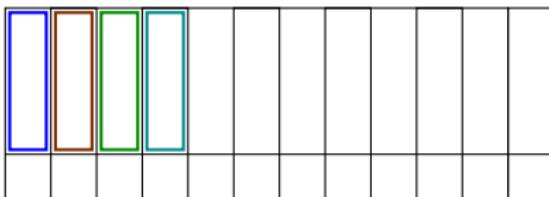
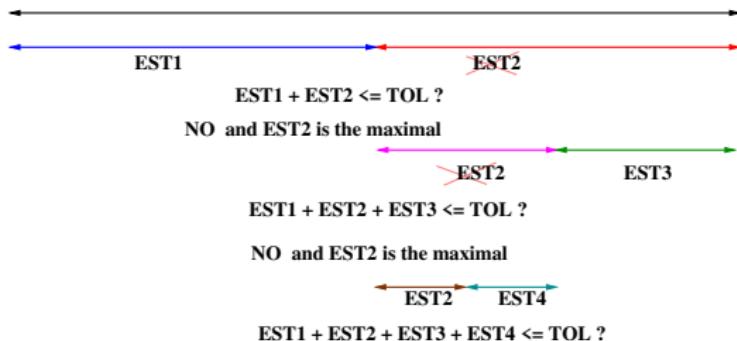
# Global adaptation – Q1DA code

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# Global adaptation – Q1DA code

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and so on ...