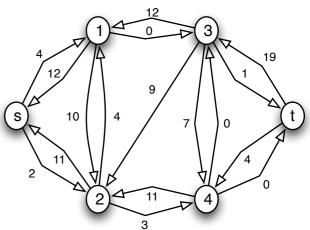
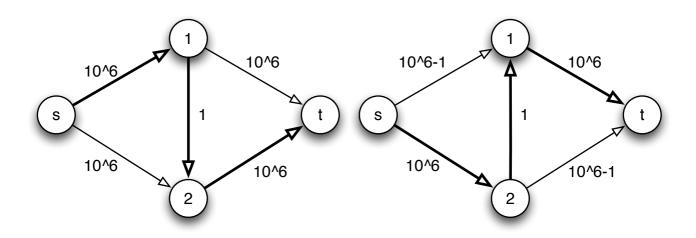


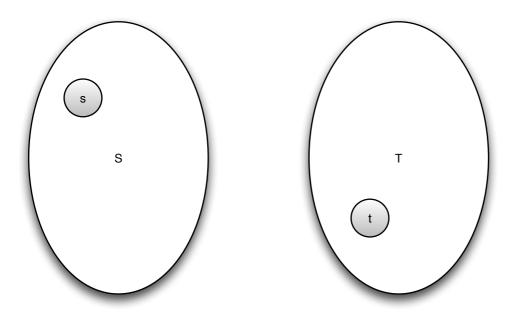
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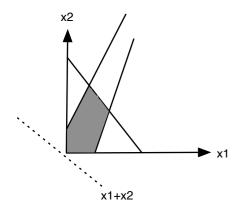
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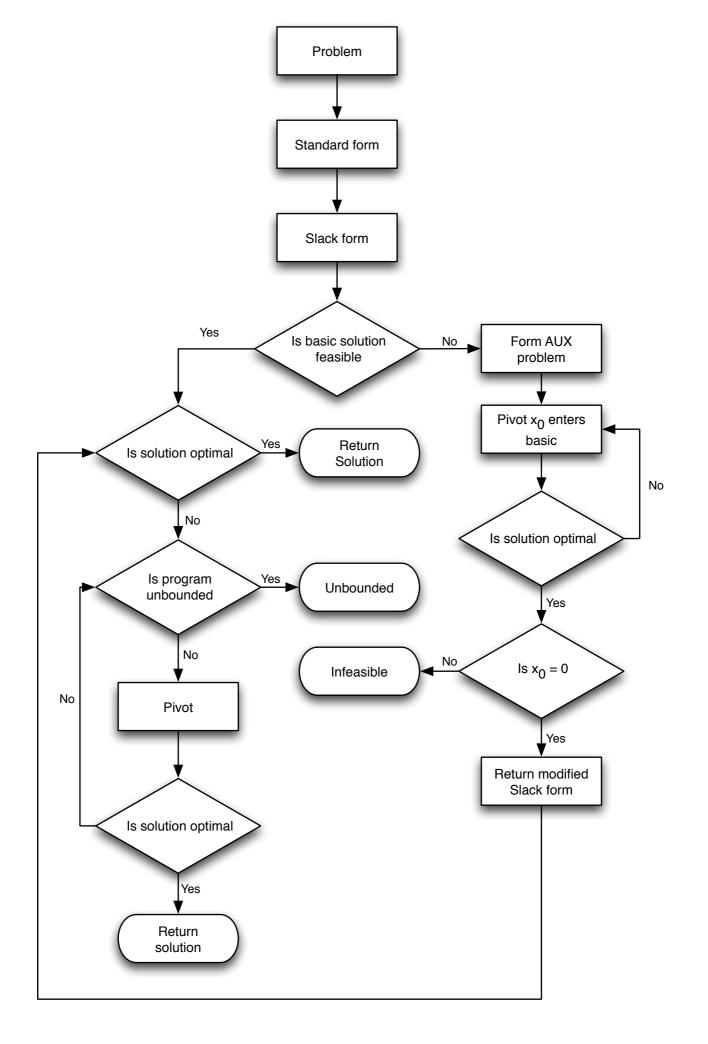
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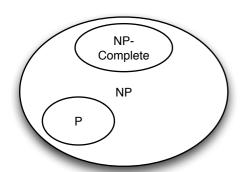


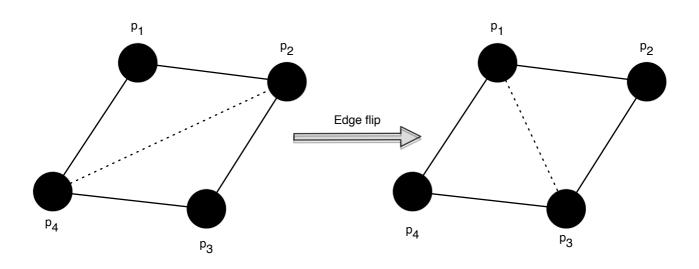


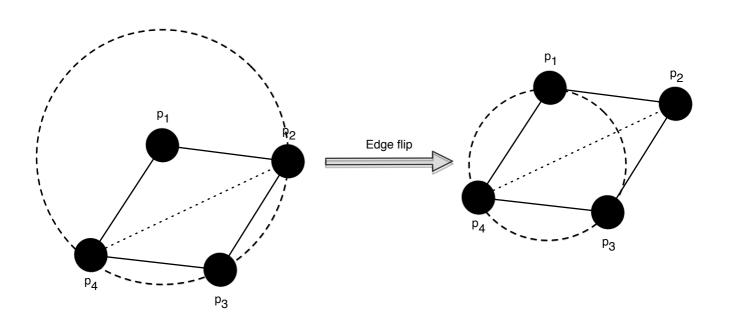


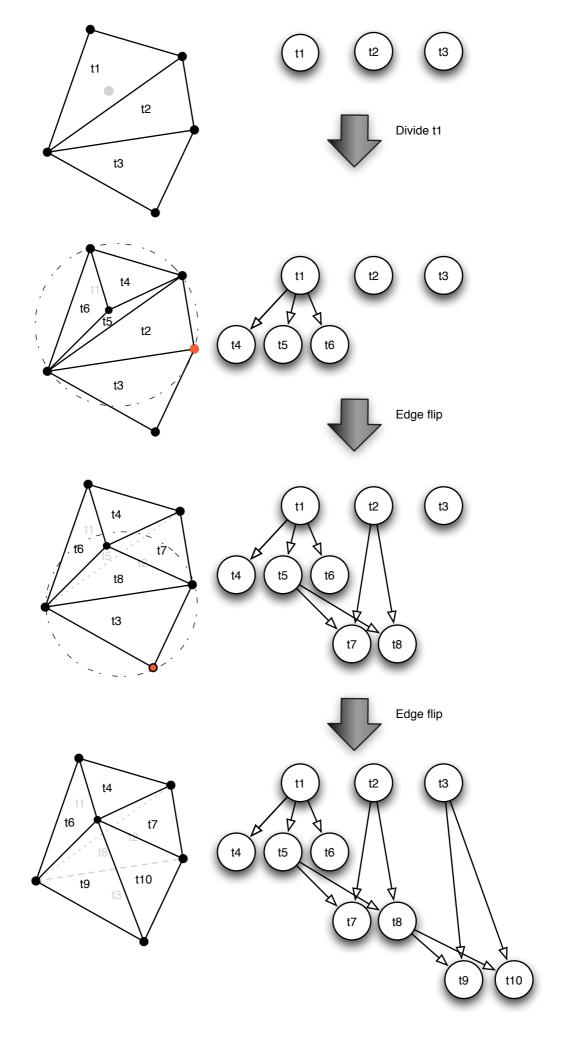


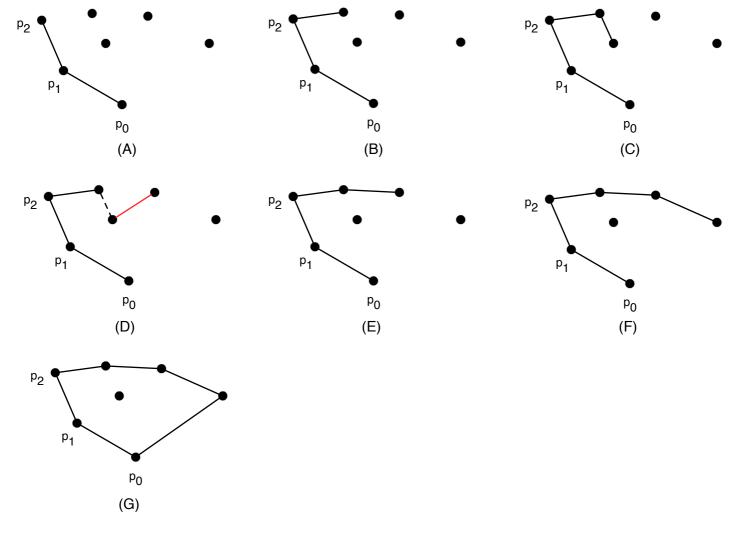


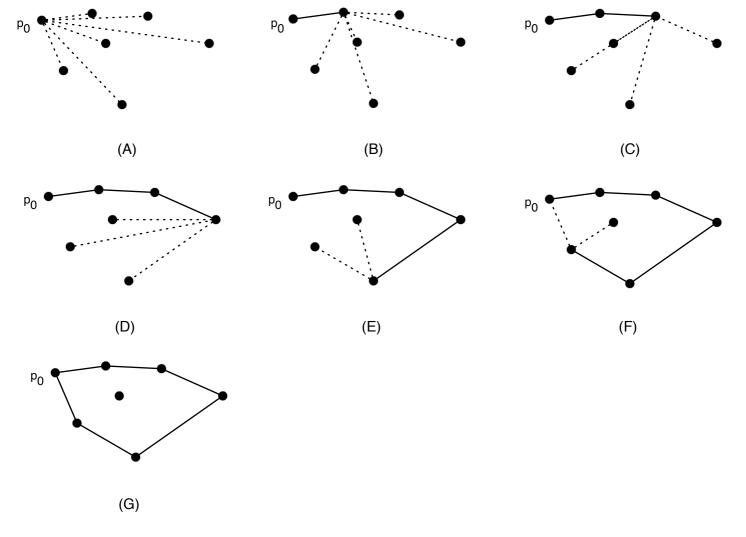


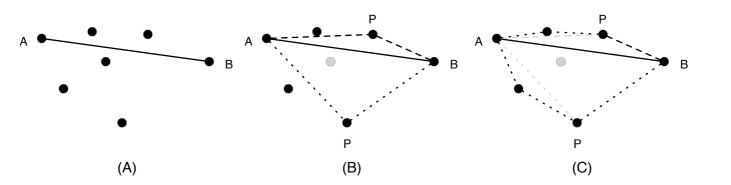


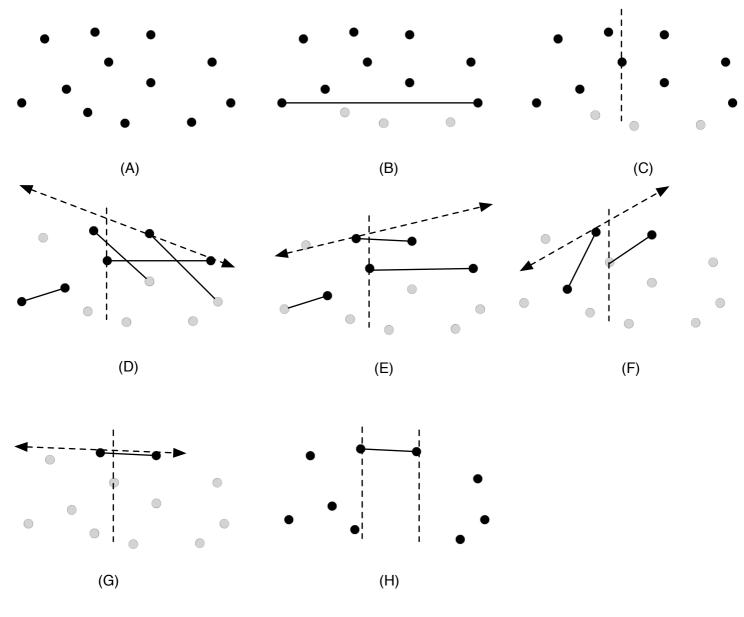




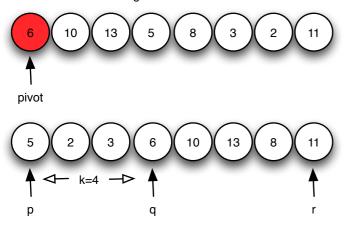




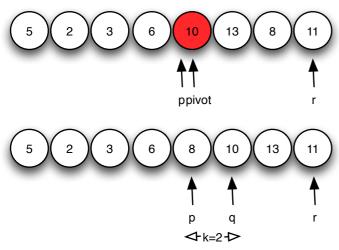




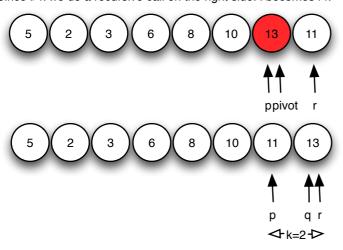
We are looking for the 7'th smallest element i.e i=7



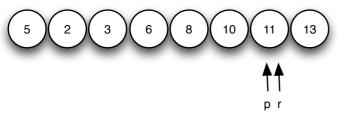
Since i>k we do a recursive call on the right side. i becomes i-k = 7-4=3



Since i>k we do a recursive call on the right side. i becomes i-k = 3-2 = 1



Since i<k we do a recursive call on the left side. i does not change



Since p==r the algorithm stops and returns 11

