MergeSort – animace

pro studenty učitelství informatiky

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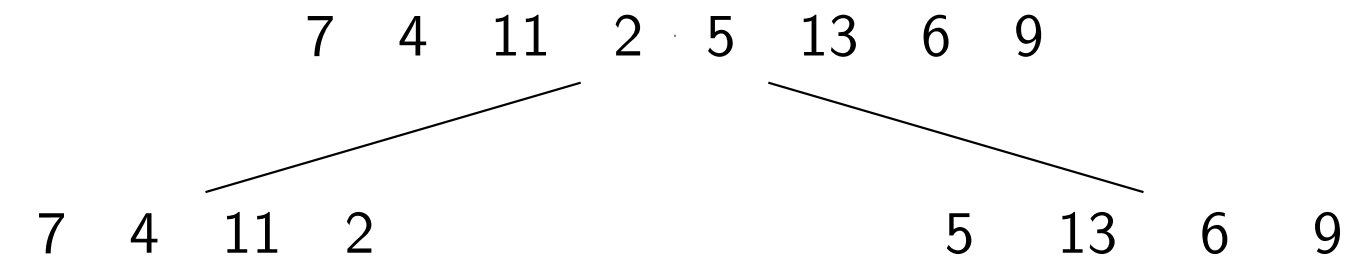
Katedra matematiky, FP TUL

29. dubna 2024

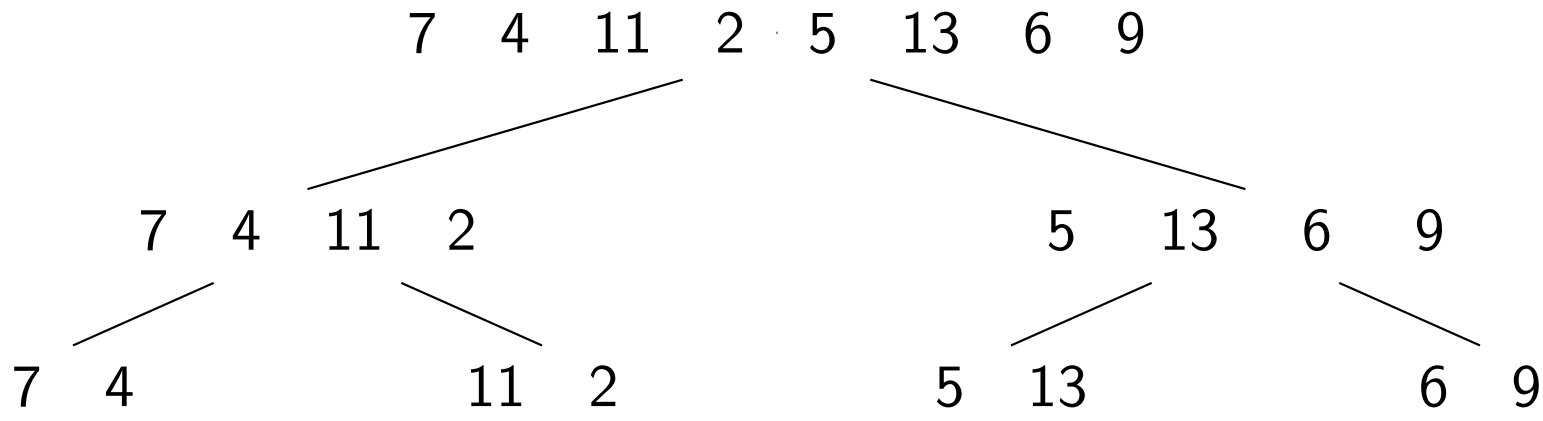
Budeme ilustrovat řazení sléváním (merge sort).

7 4 11 2 5 13 6 9

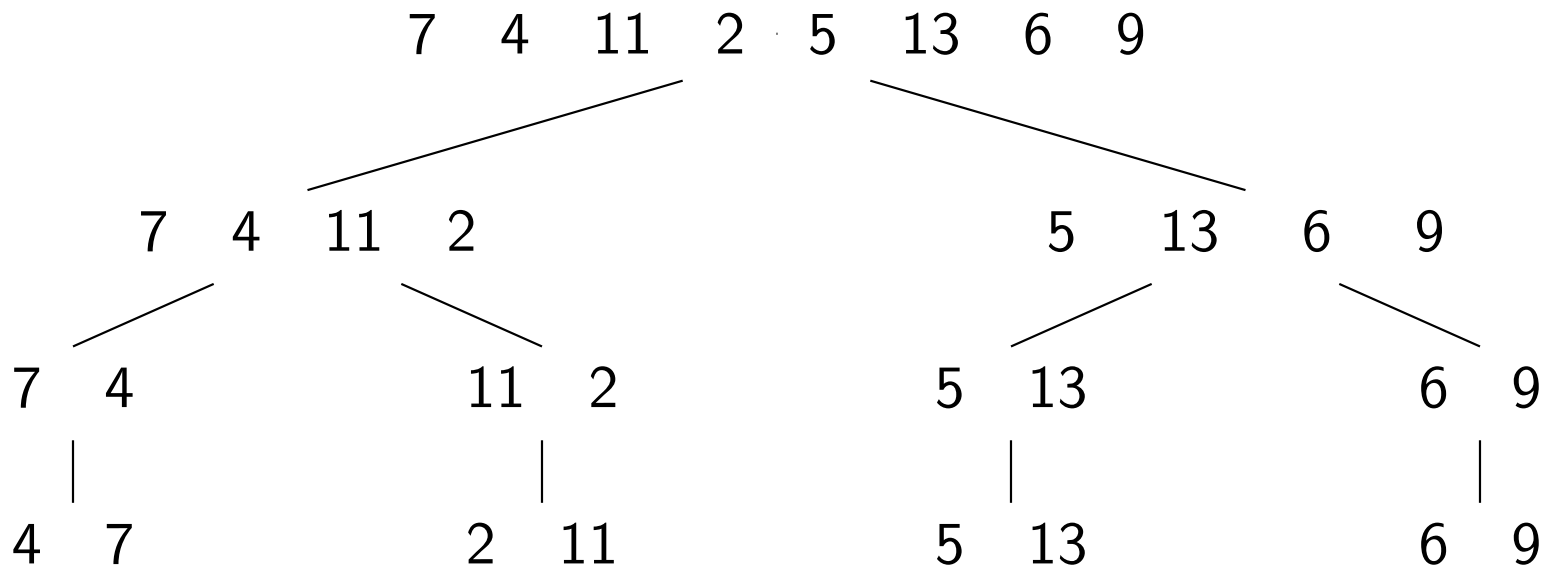
Seznam rozdělíme na dvě části.



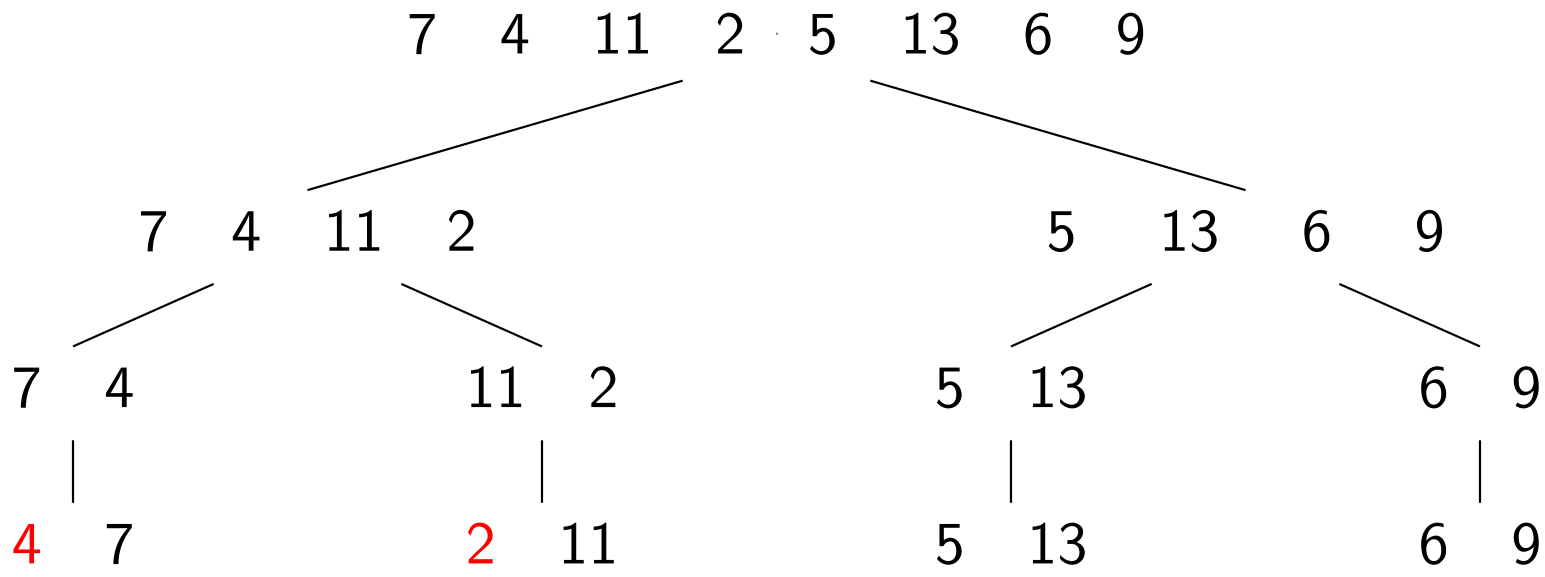
Části rozdělíme na další menší části.



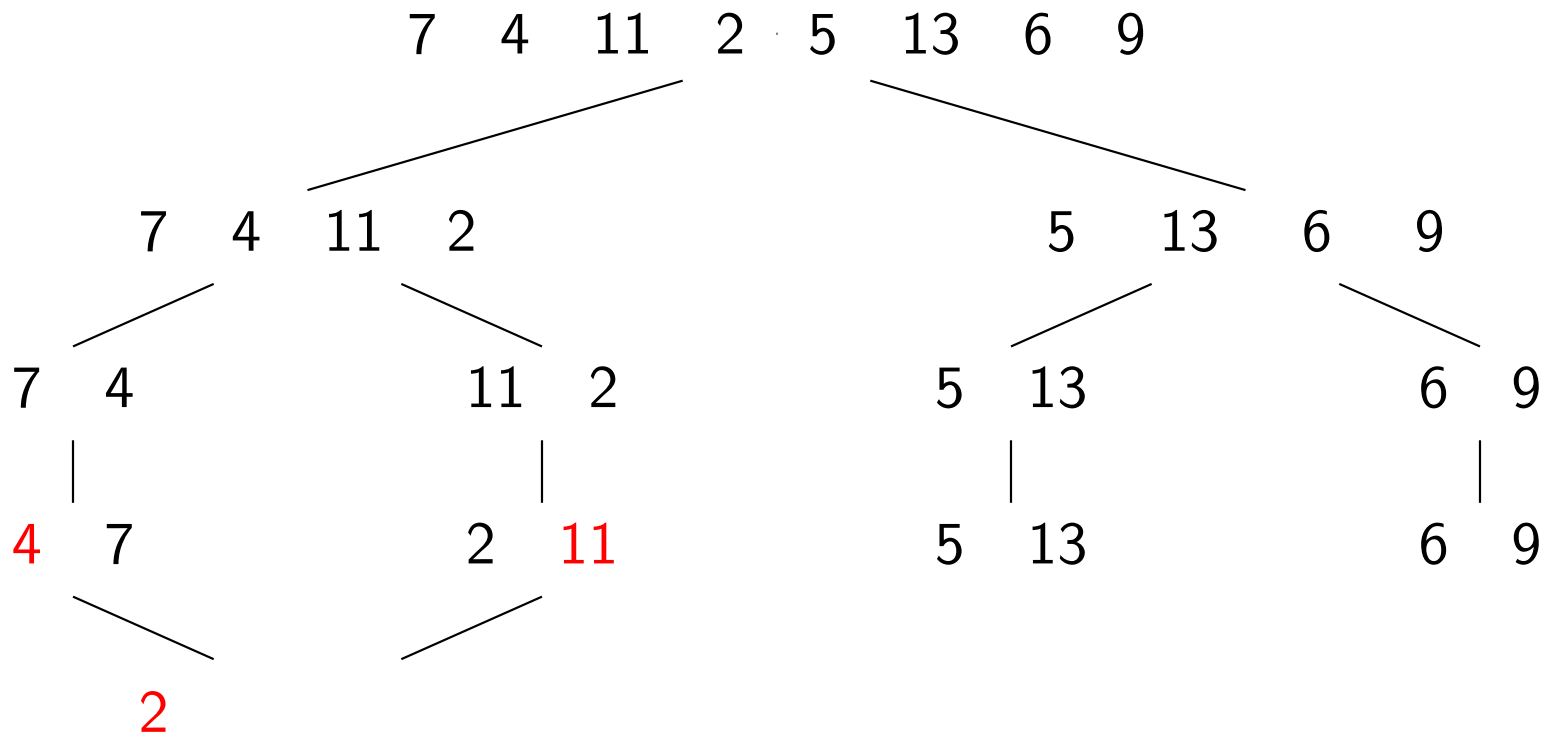
Dvojice seřadíme



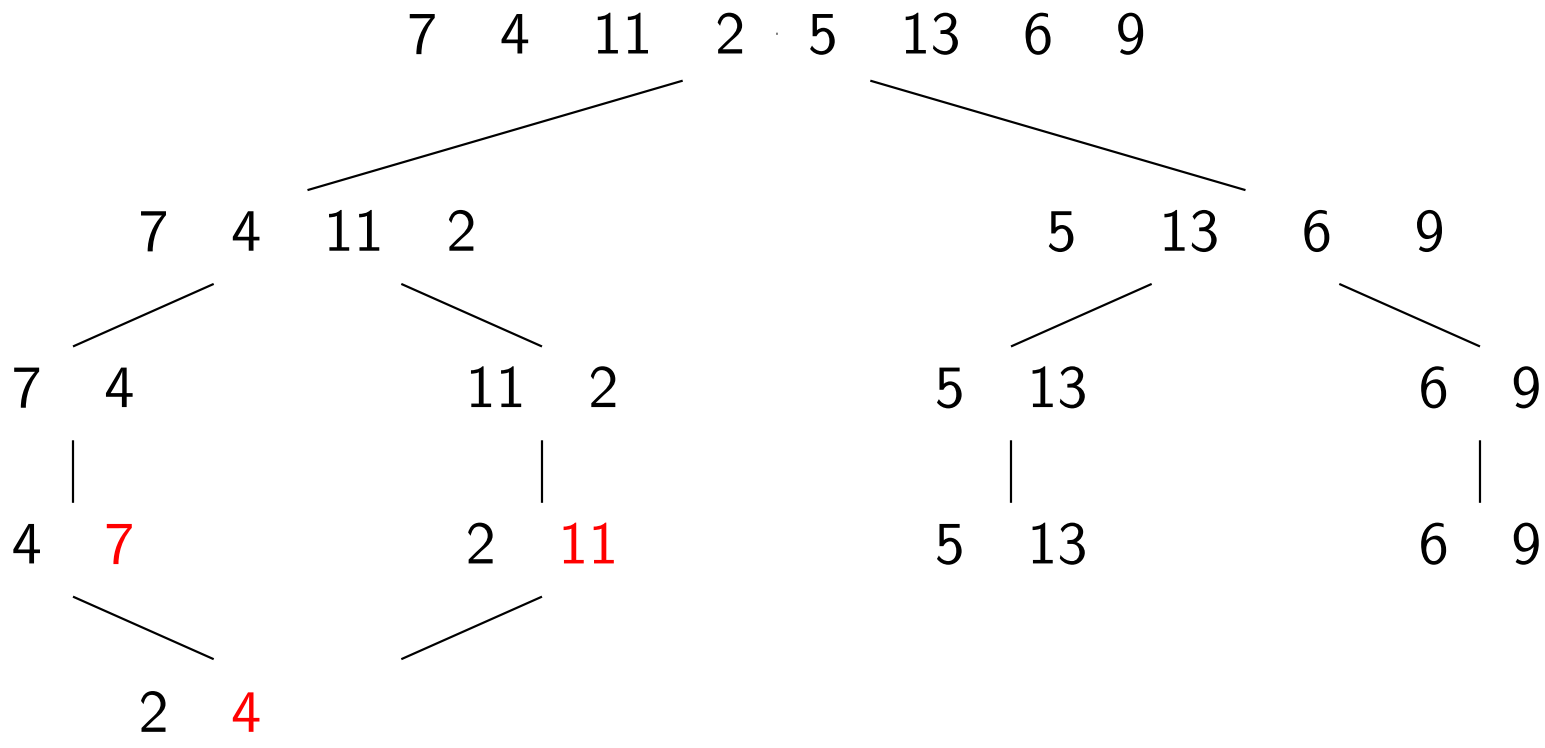
Dvojice seřadíme a slejeme.



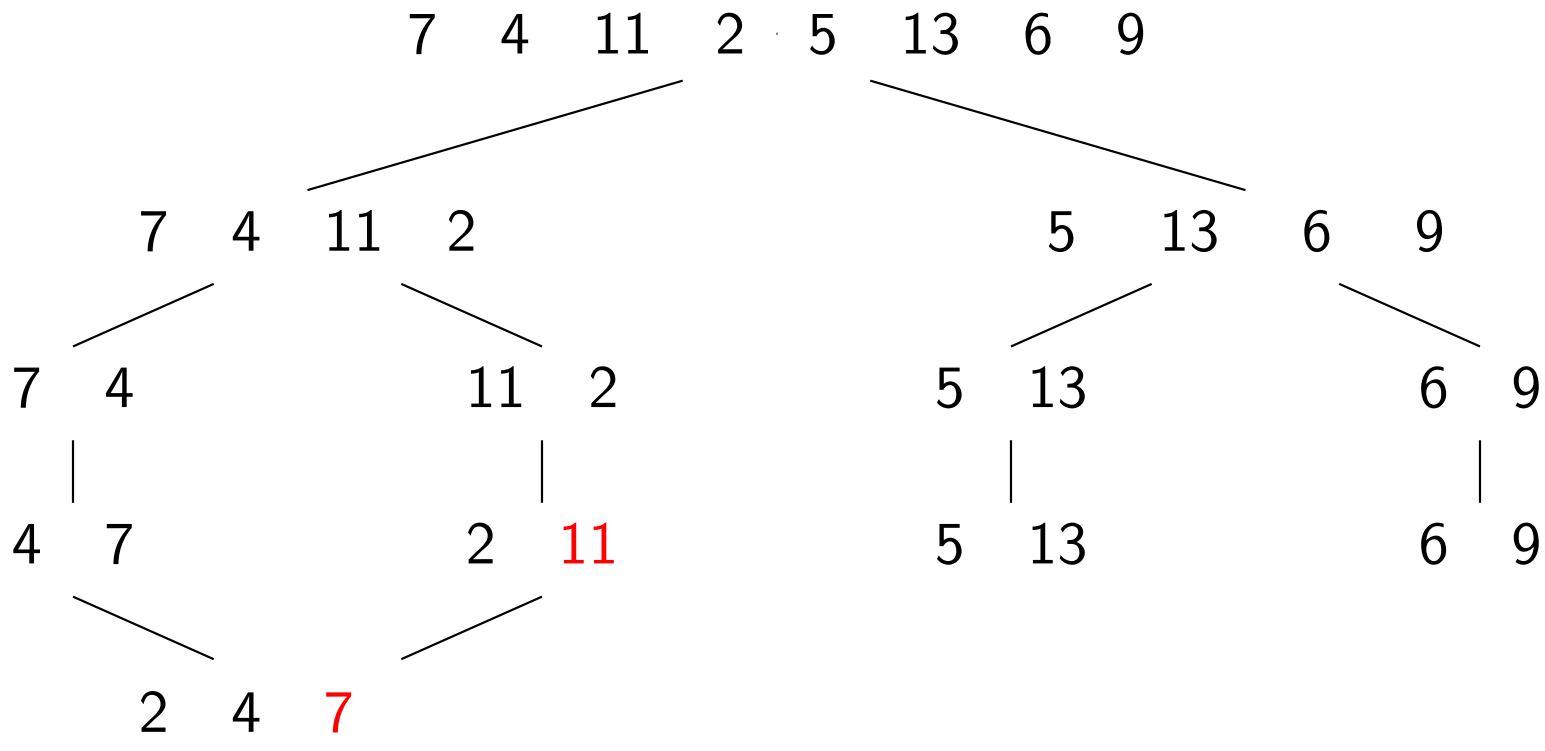
Dvojice seřadíme a slejeme – sléváme levou část.



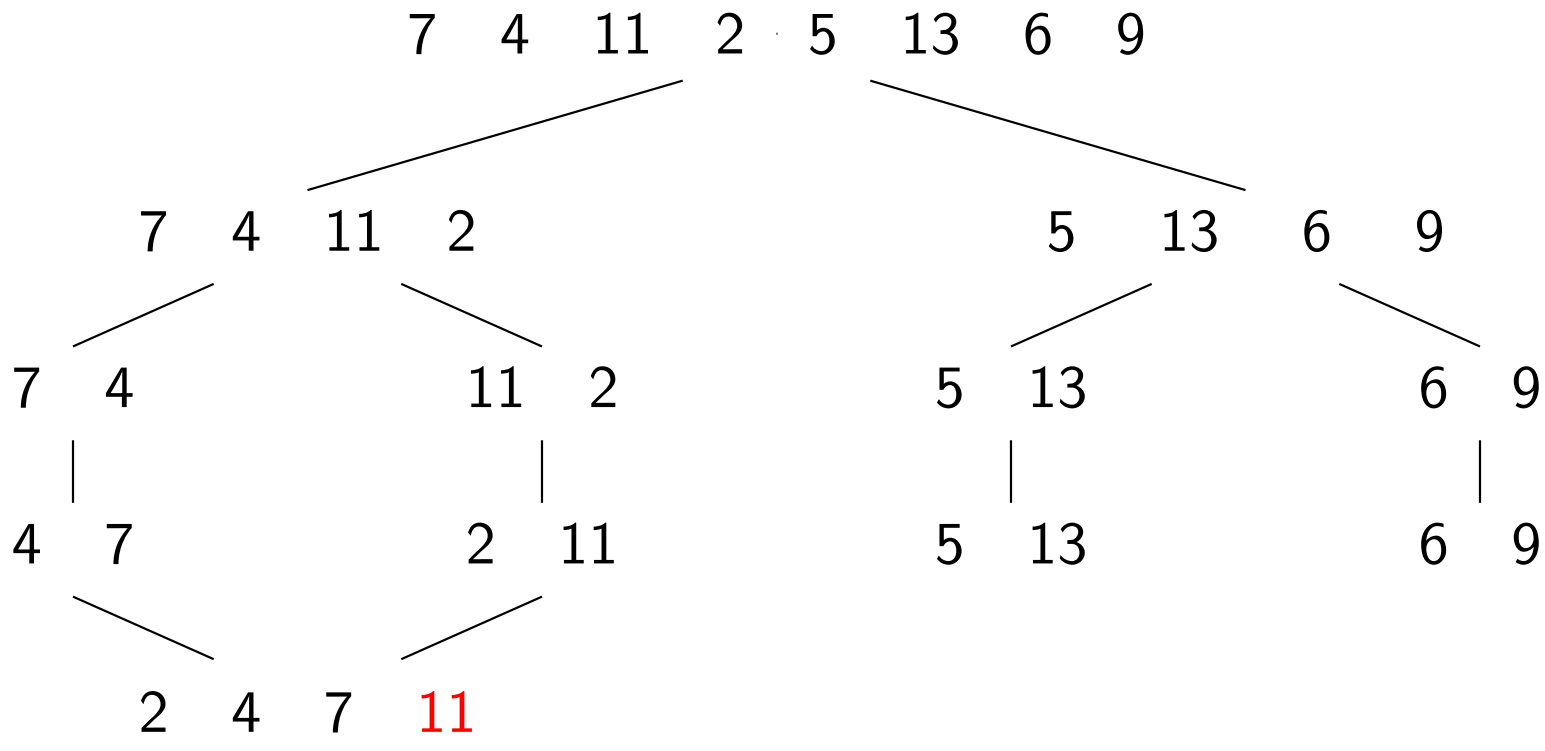
Dvojice seřadíme a slejeme – sléváme levou část.



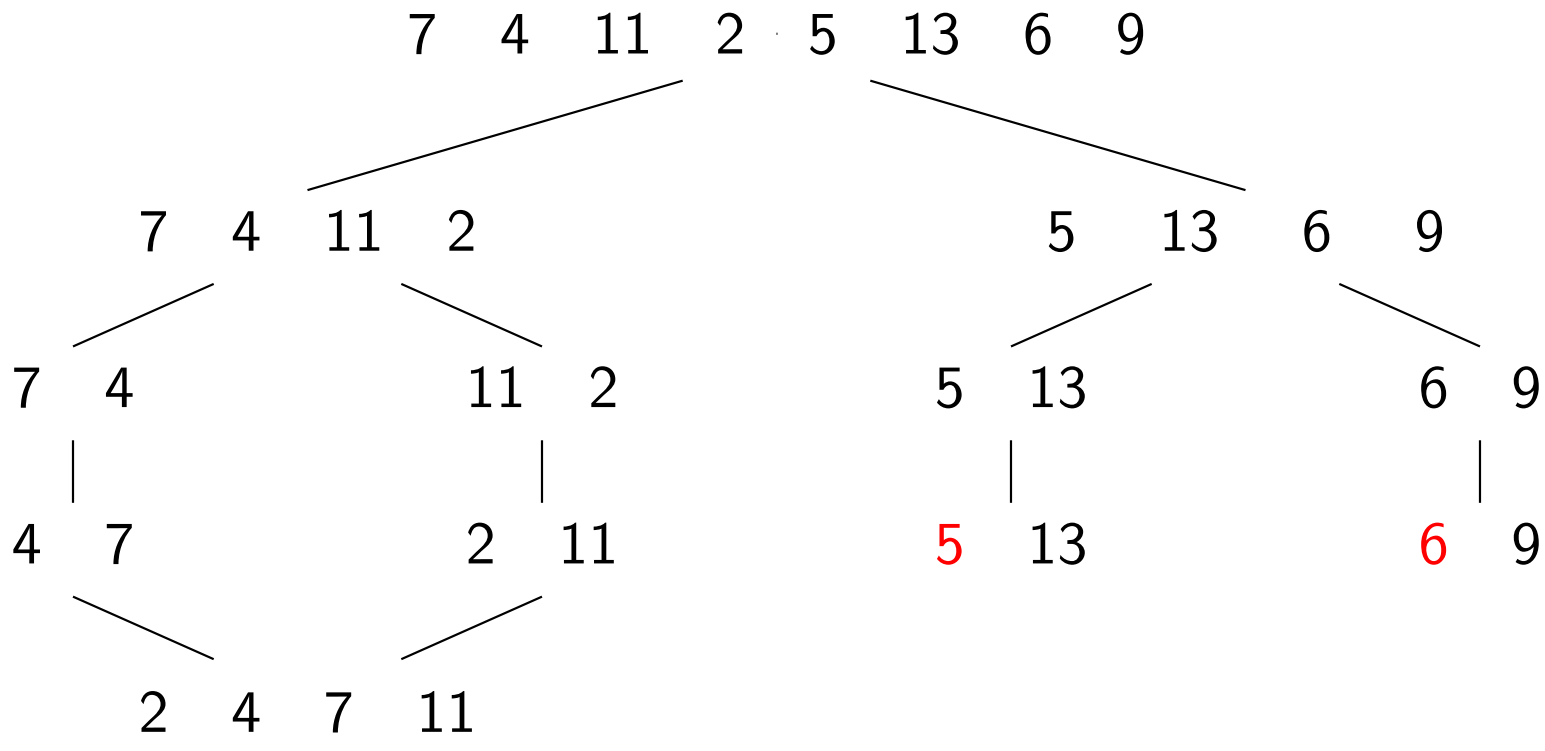
Dvojice seřadíme a slejeme – sléváme levou část.



Dvojice seřadíme a slejeme – sléváme levou část.



Sléváme pravou část.



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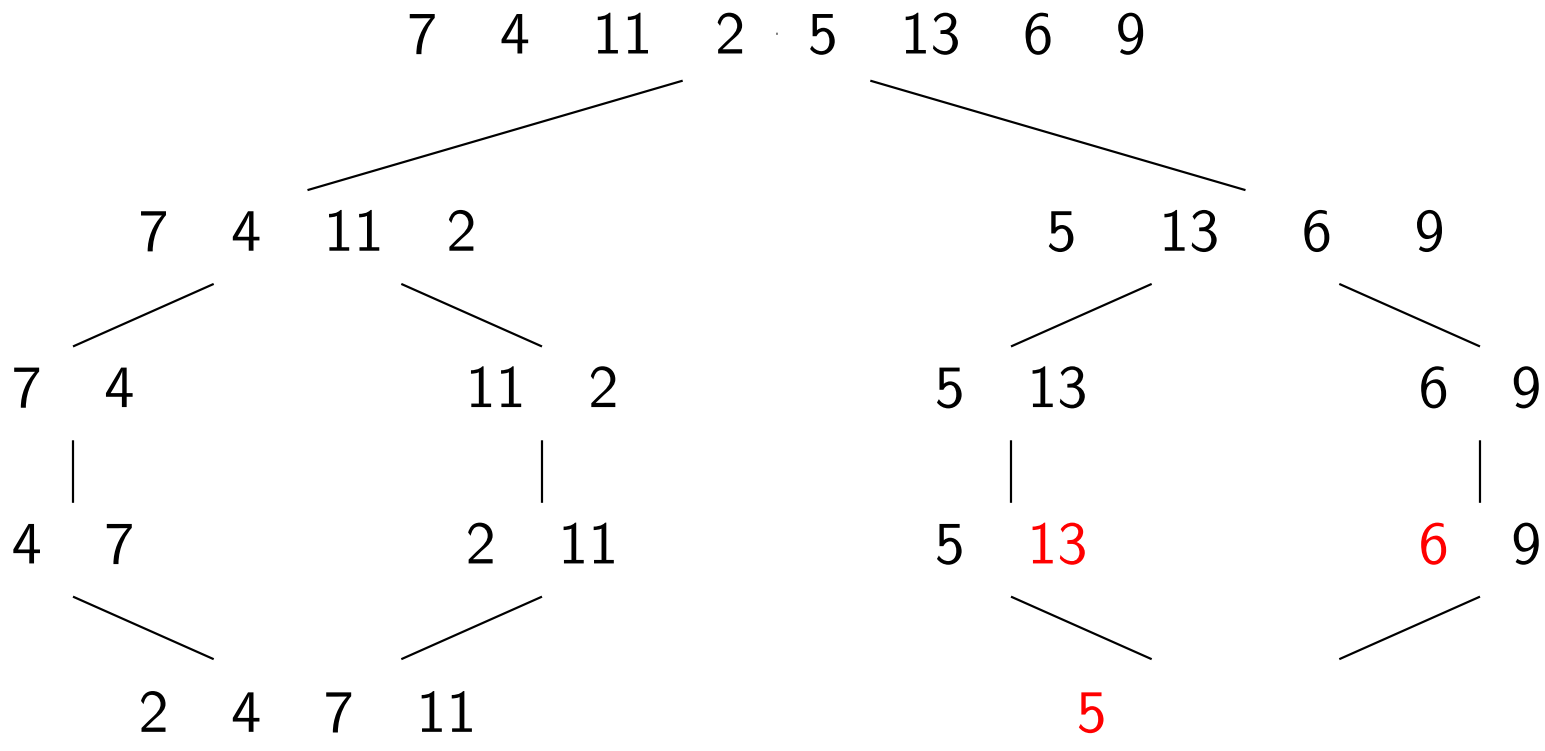

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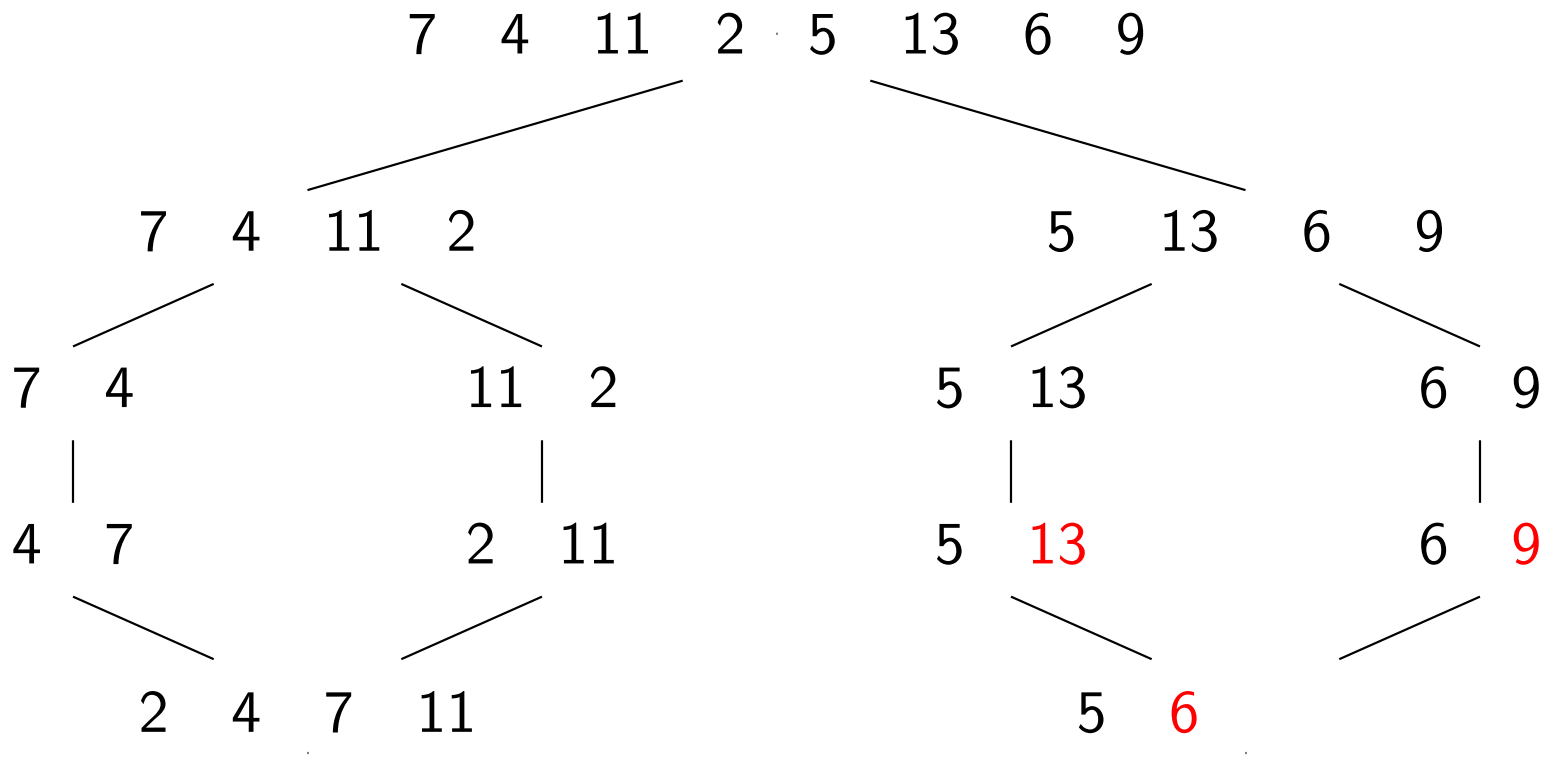
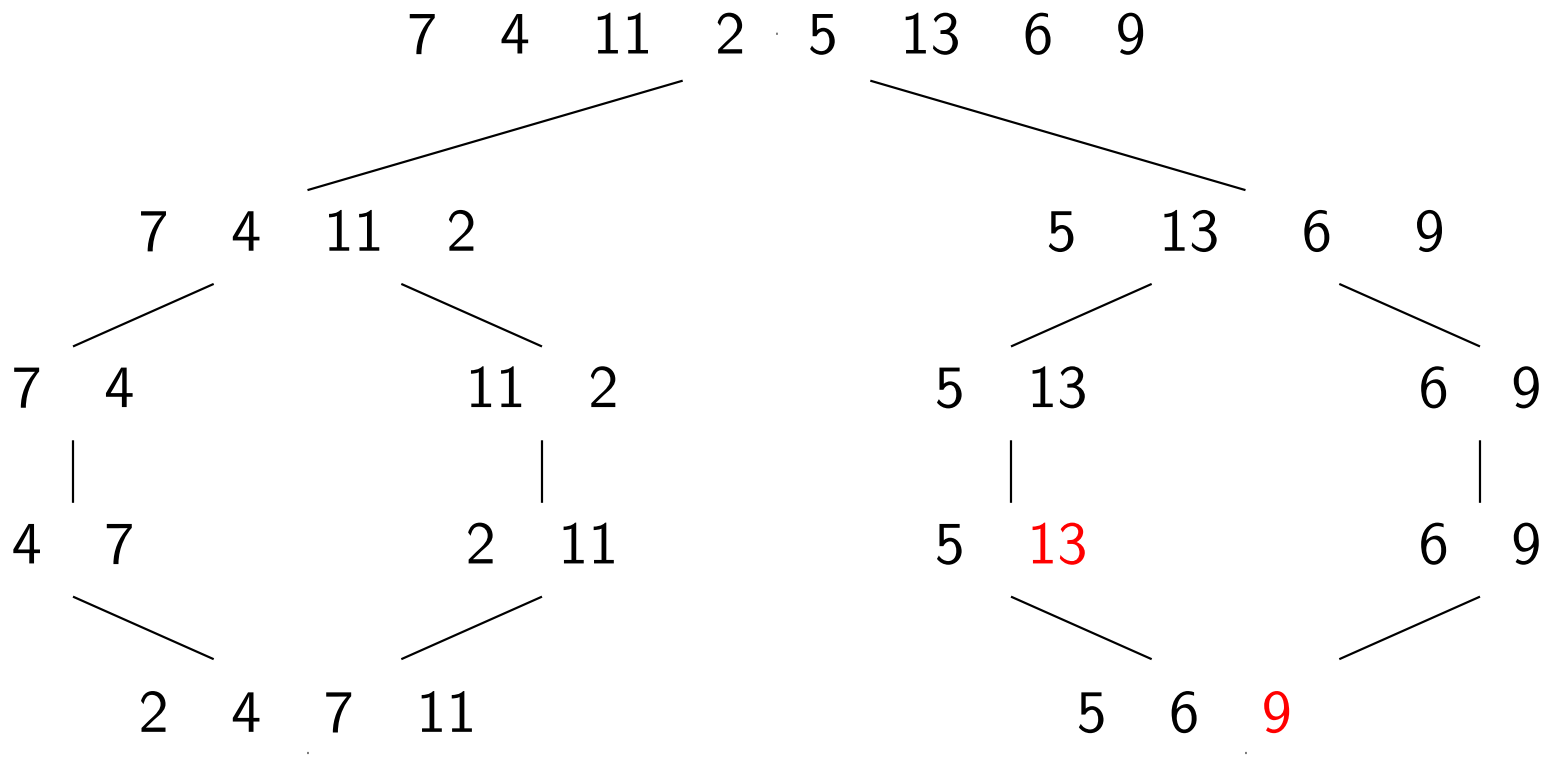
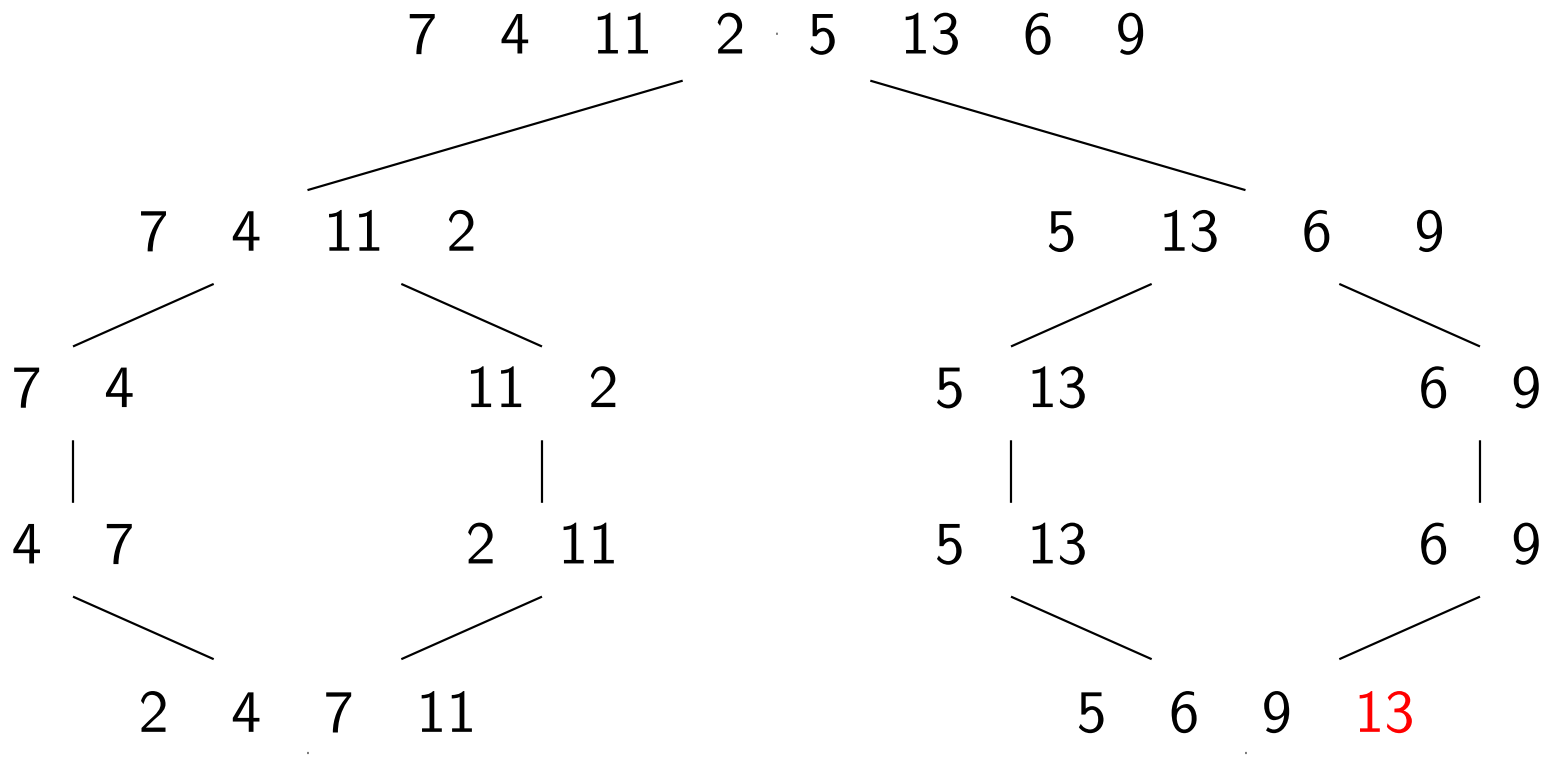


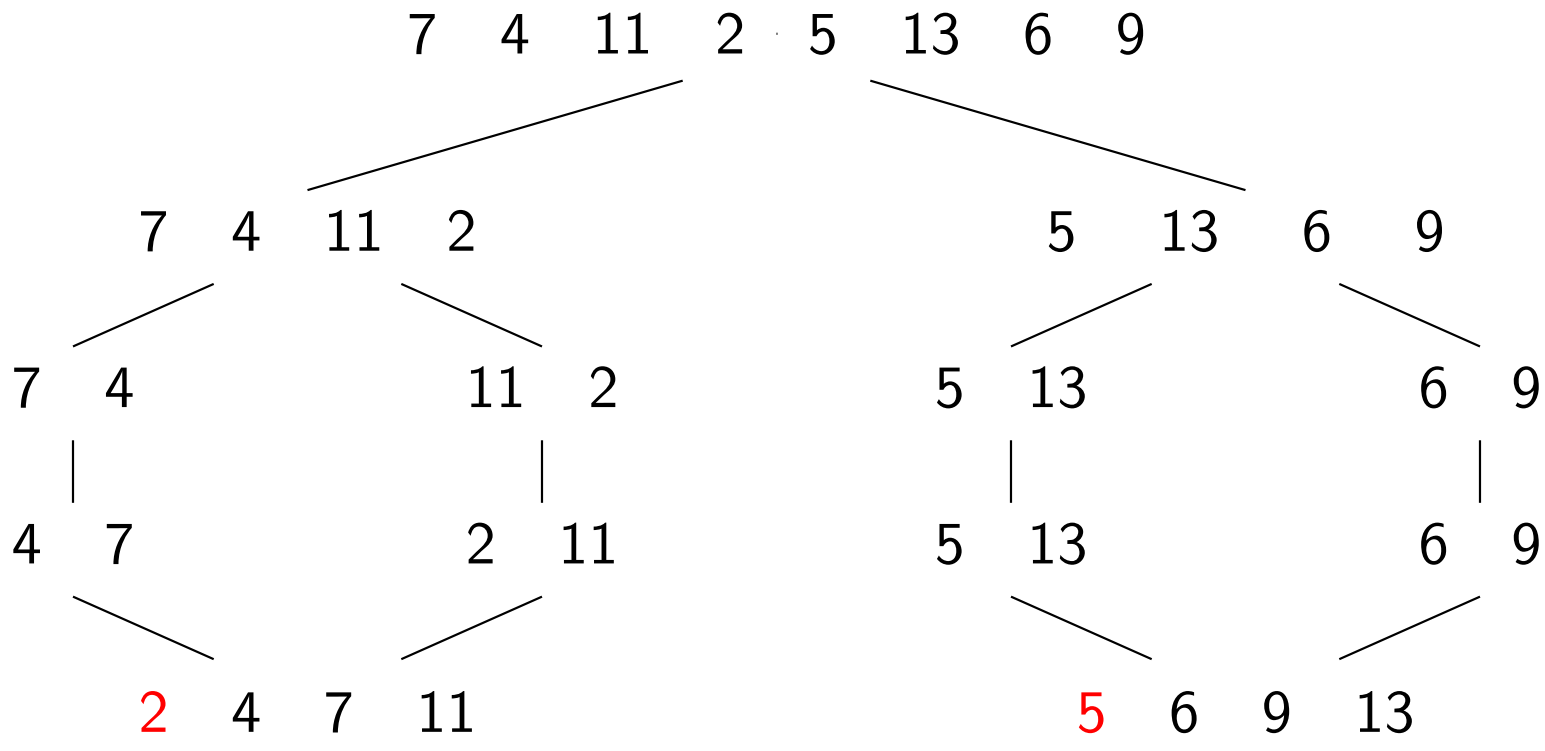
Sléváme pravou část.



Sléváme pravou část.



Slejeme čtveřice.



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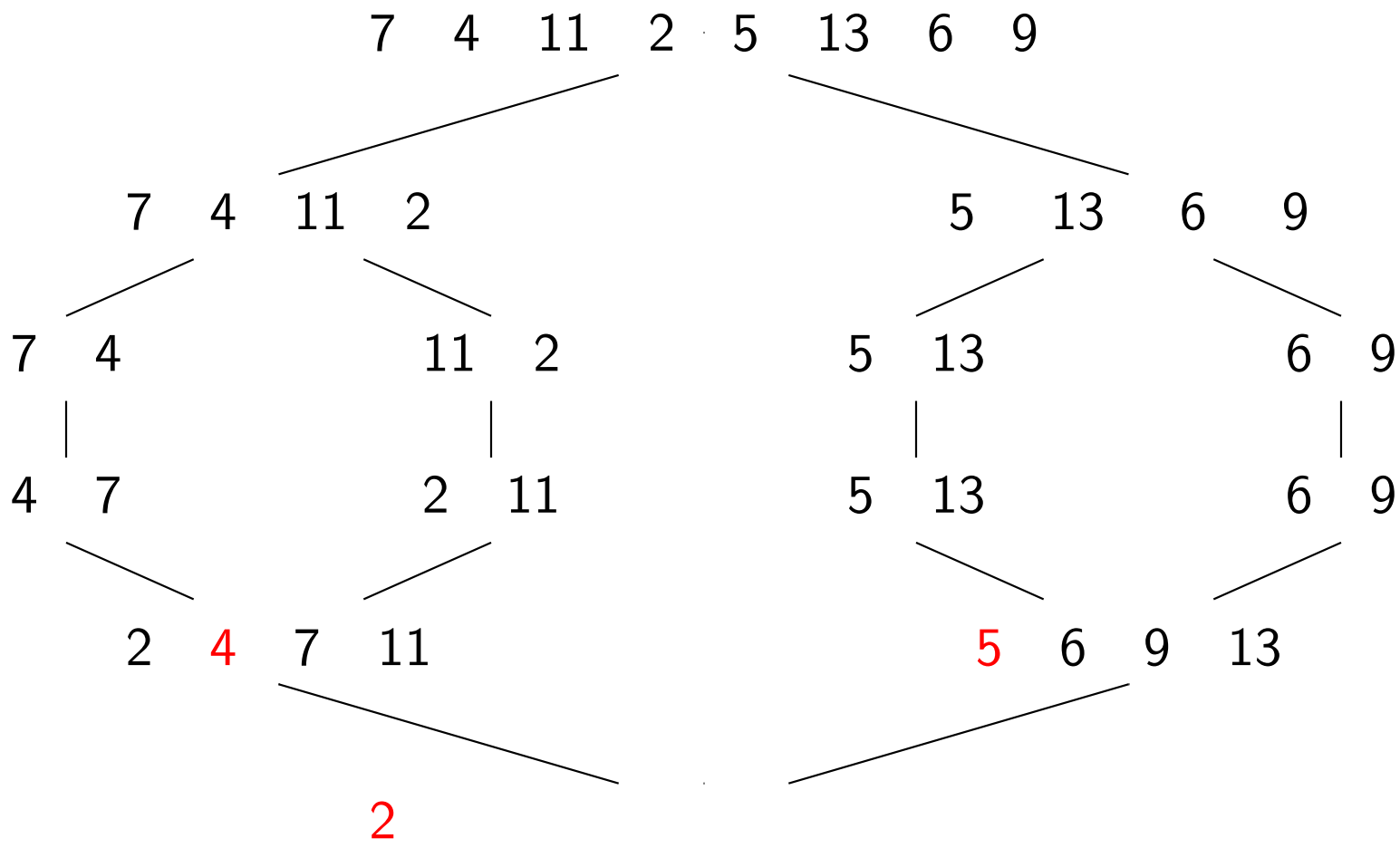

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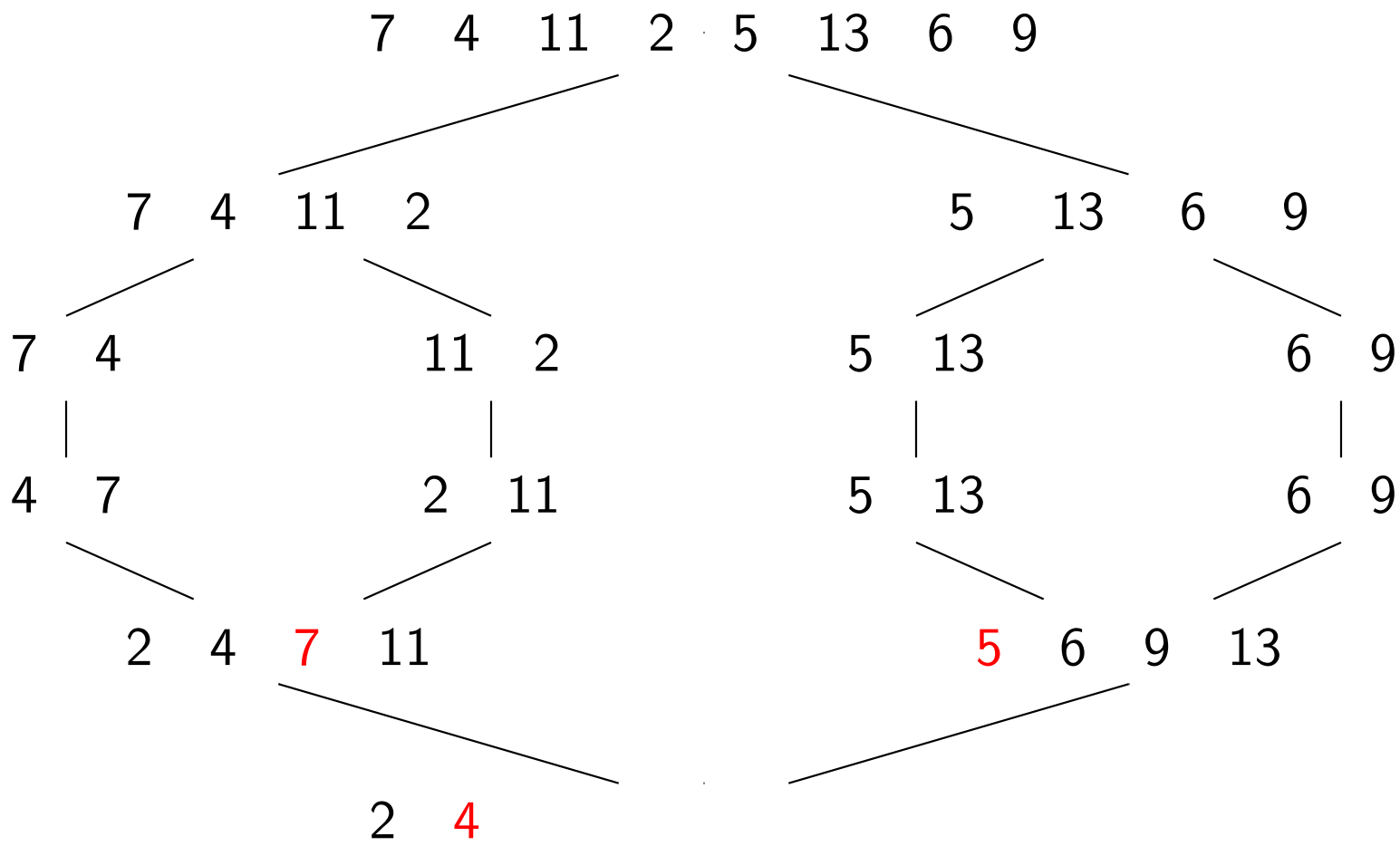
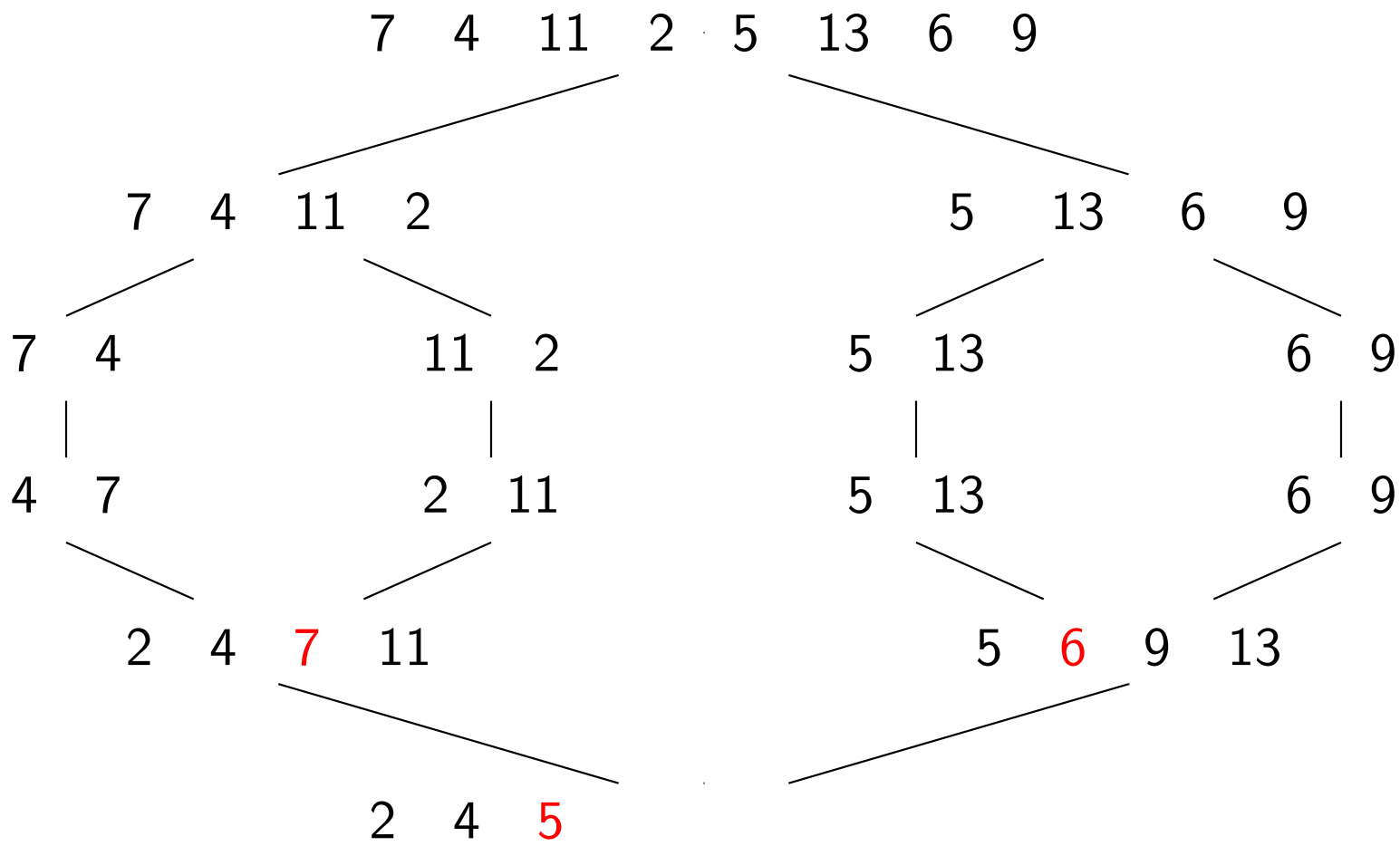


Slejeme čtveřice.



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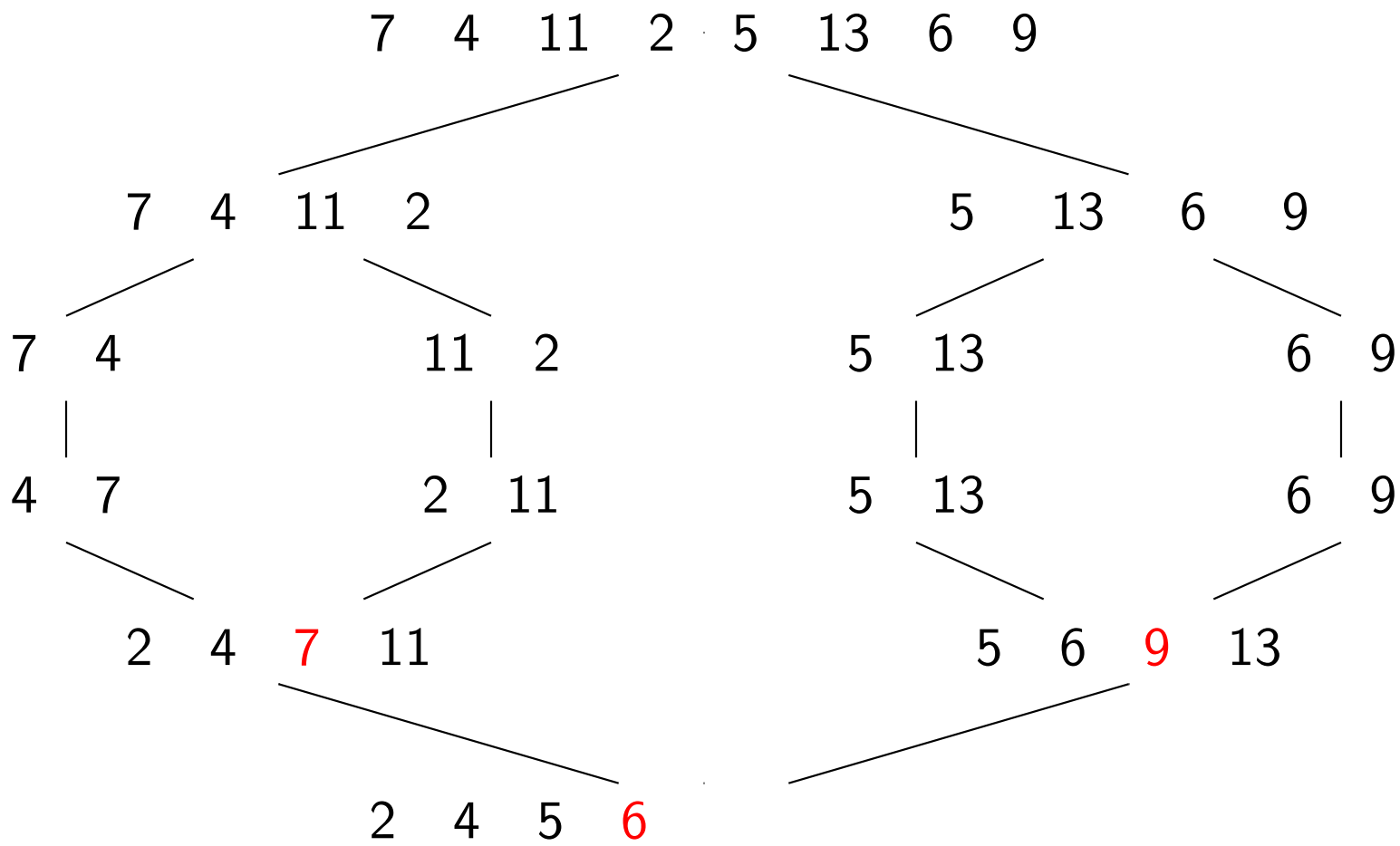

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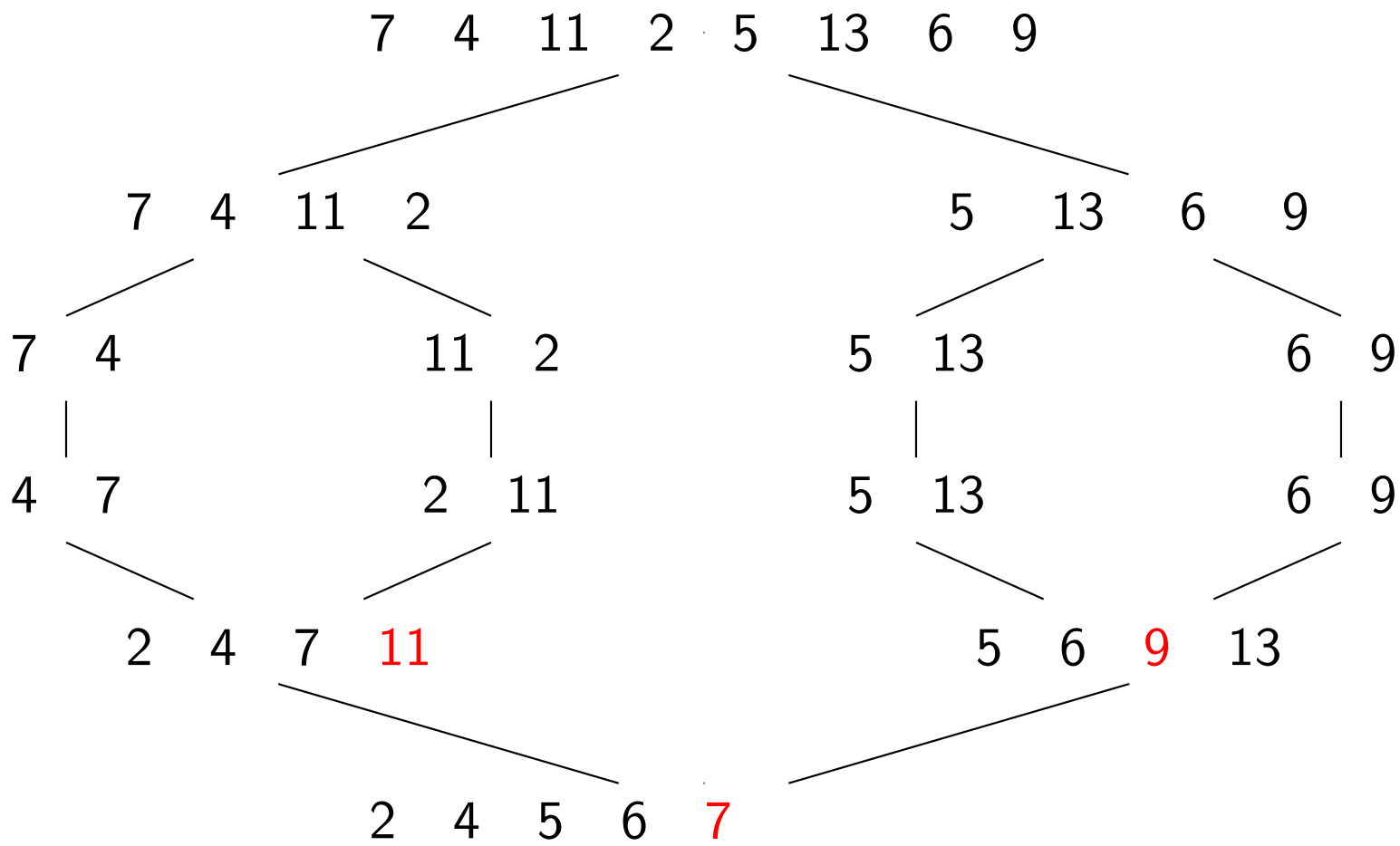

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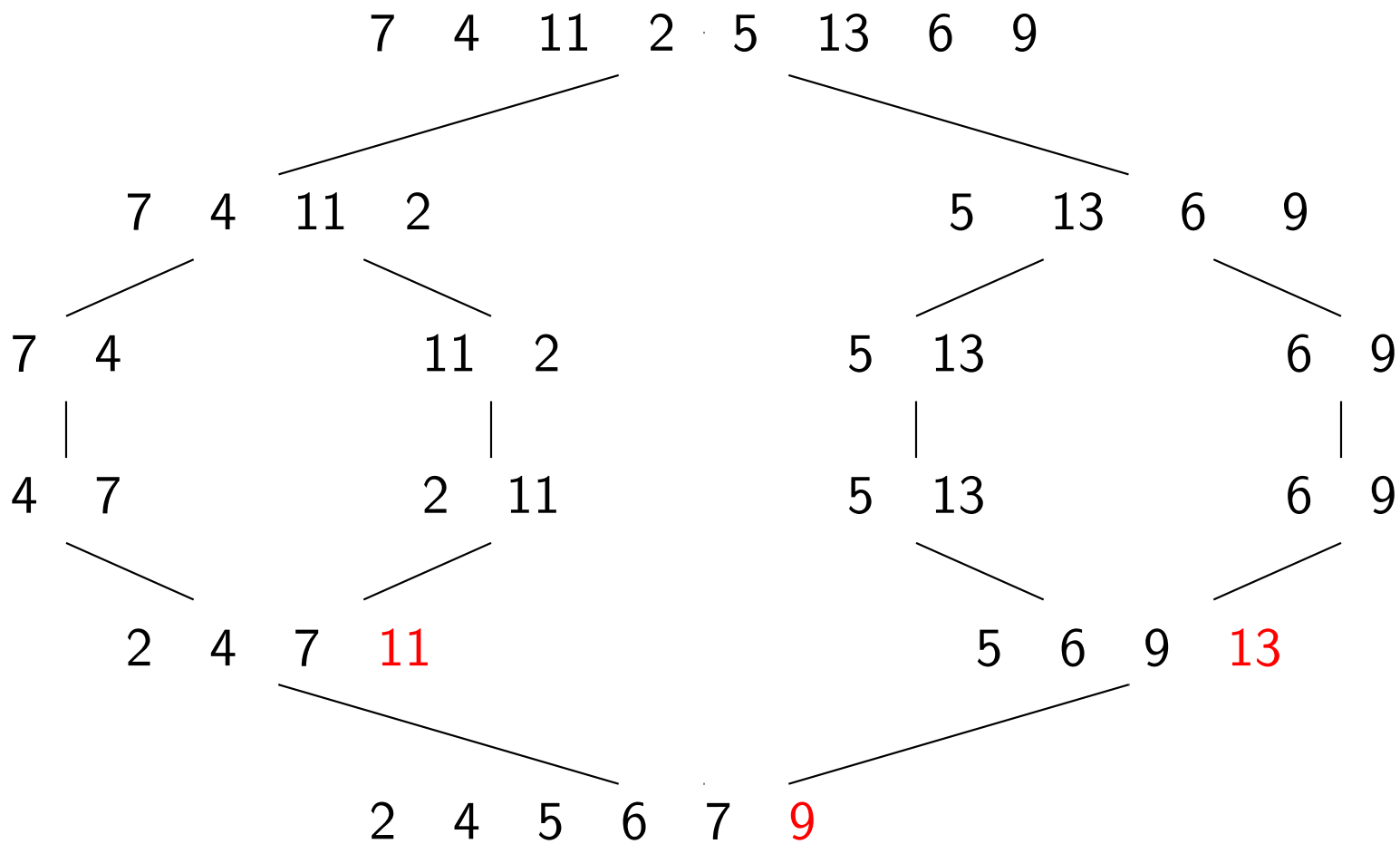

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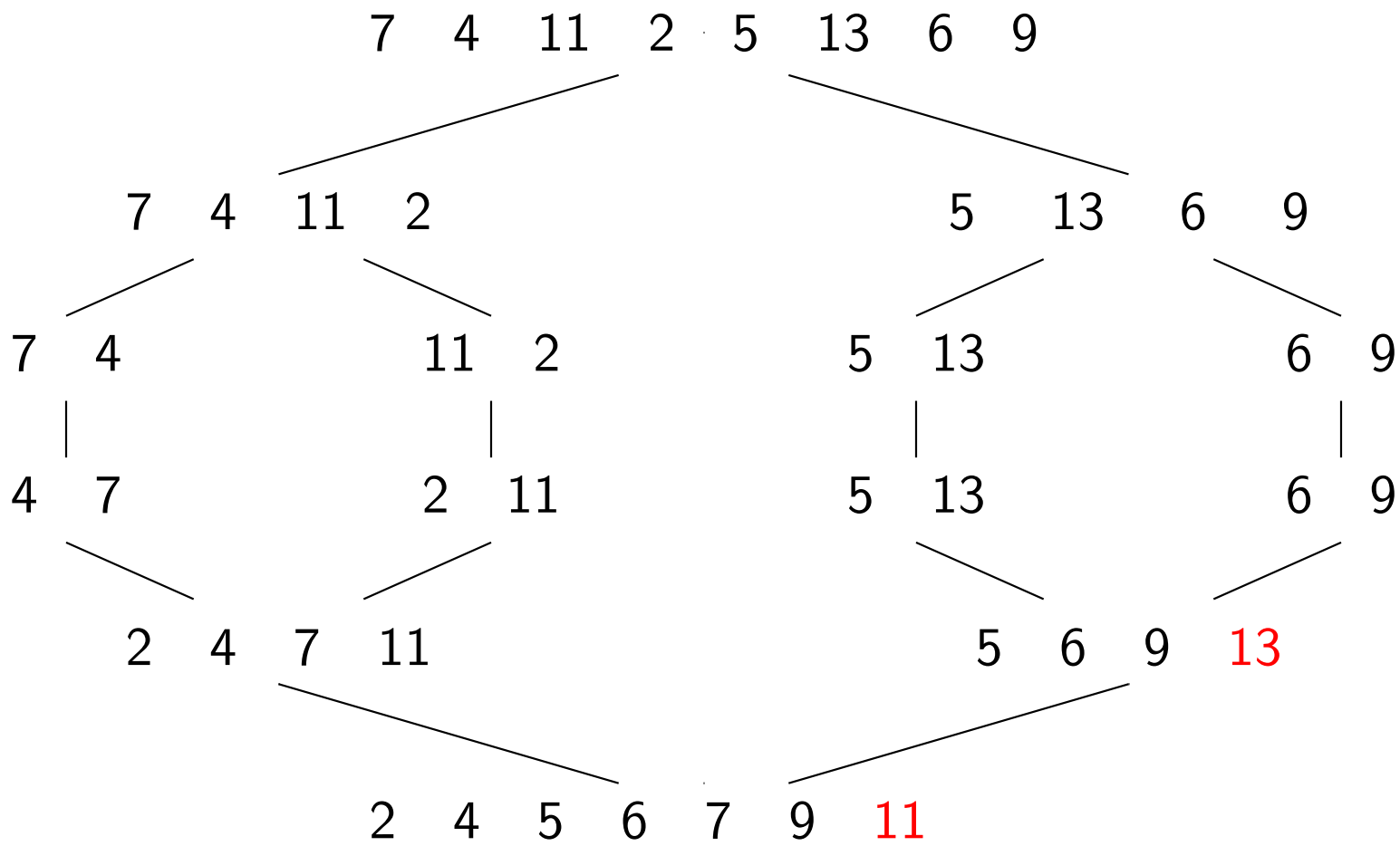

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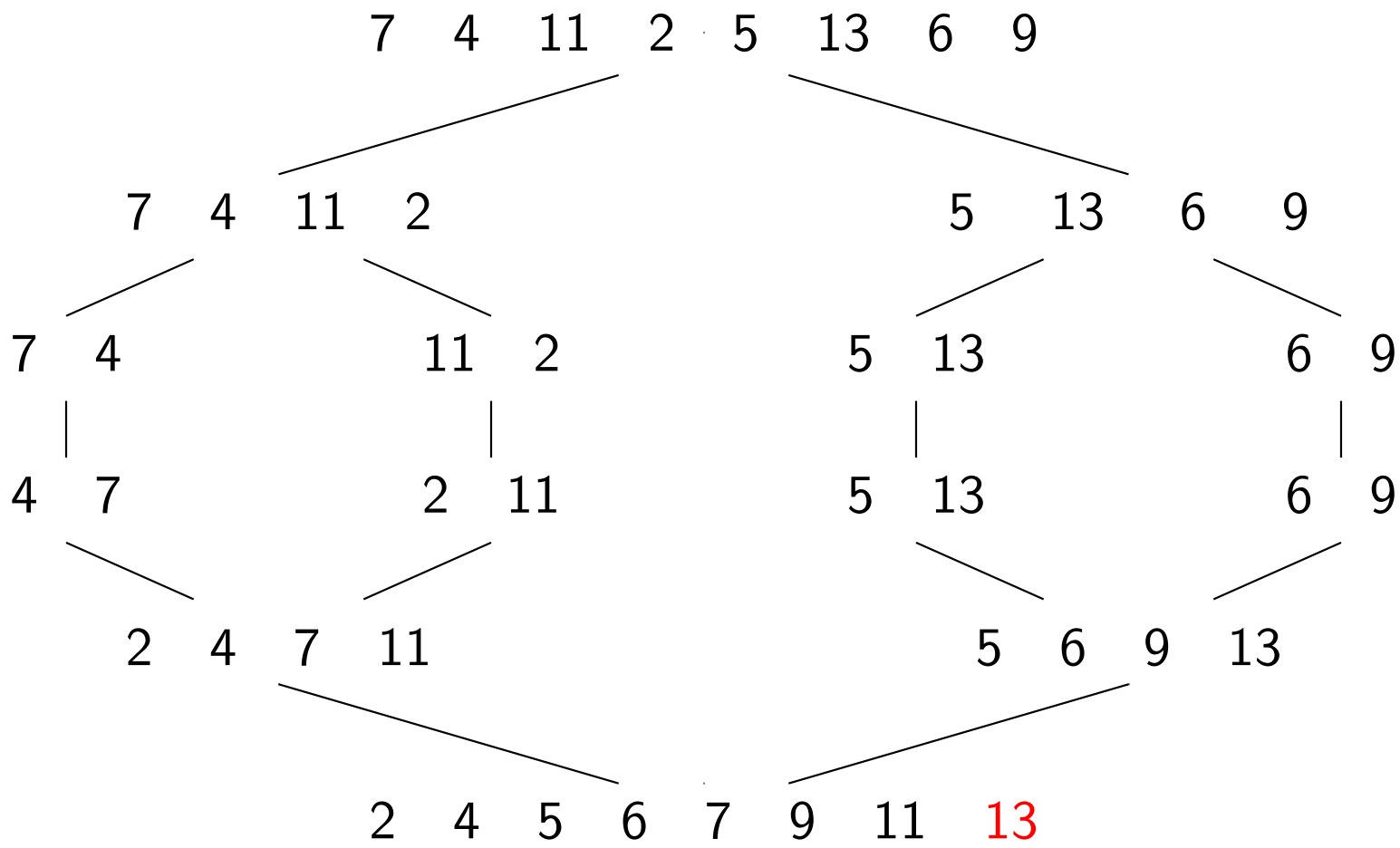
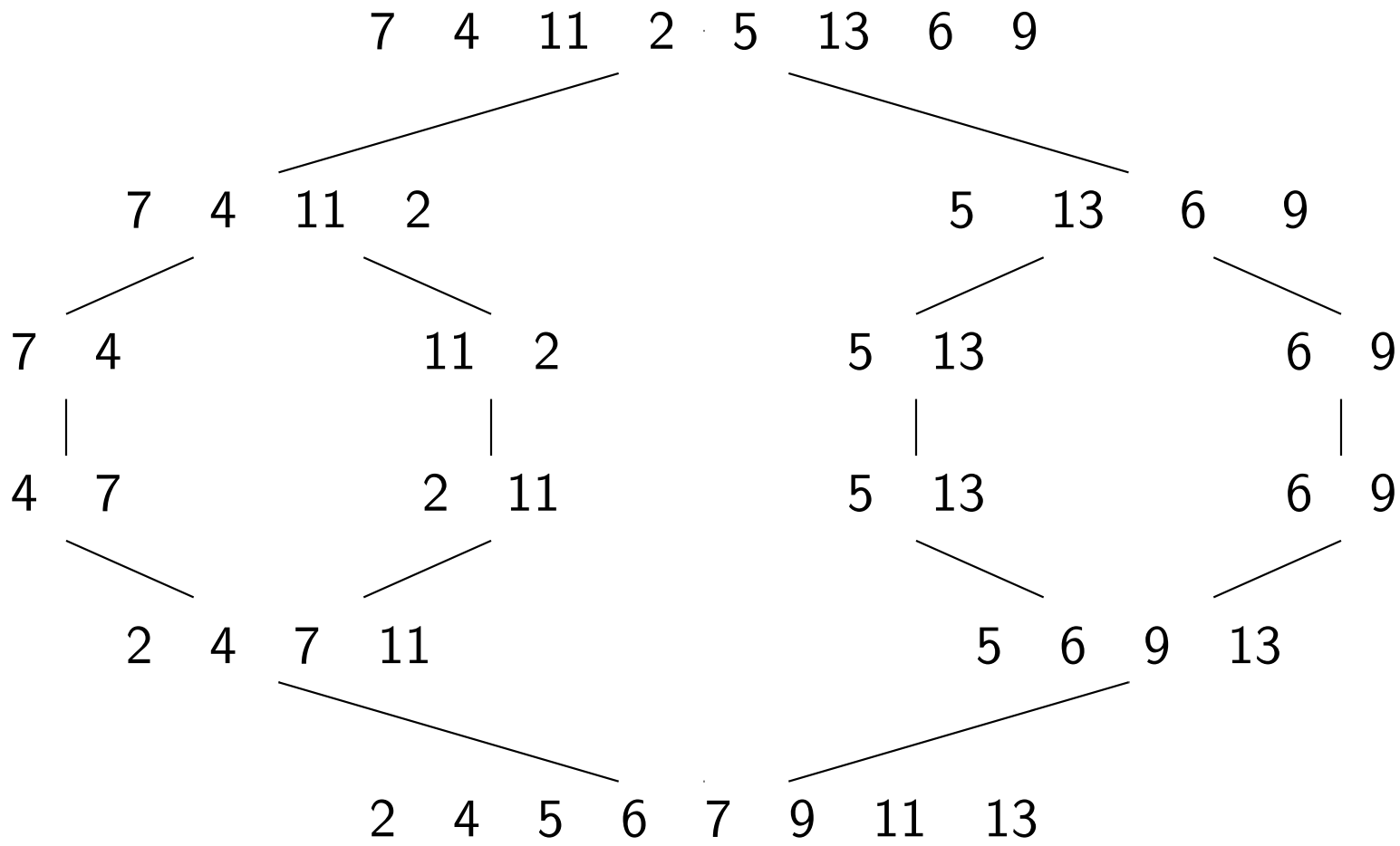
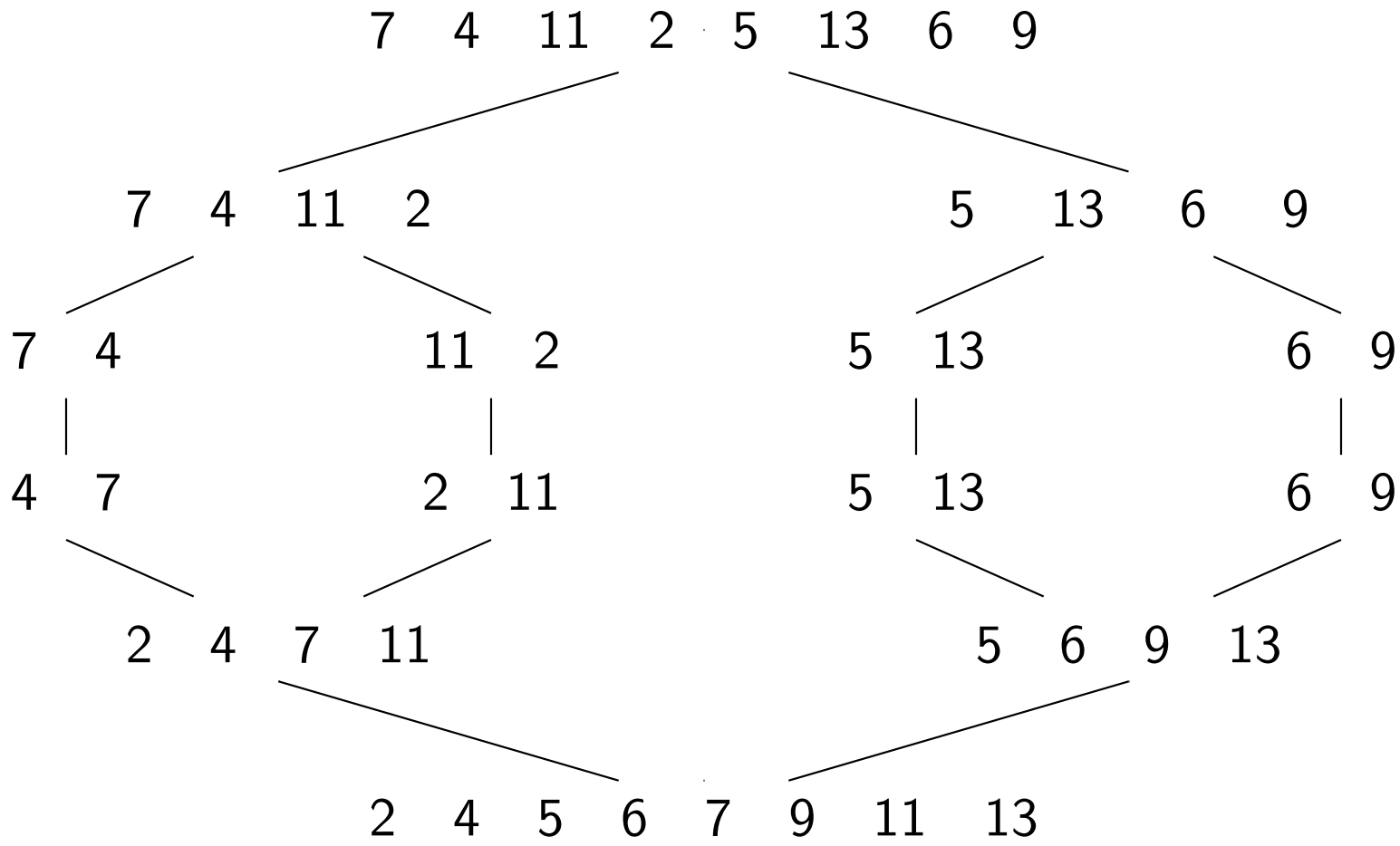


Případně bychom v dalším kroku slévali větší celky.



Po svém skončení vydá algoritmus seřazený soubor.



Za uvedené schema děkuji studentu Ondřeji Svárovskému, který ho předvedl při zkoušení.