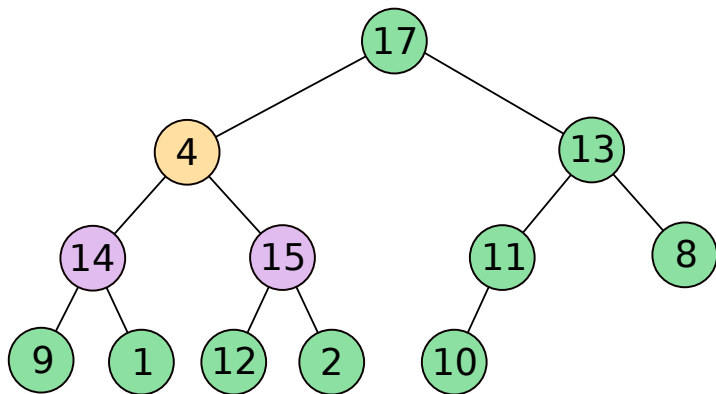


Двоичная куча

Восстановление свойства невозрастания кучи

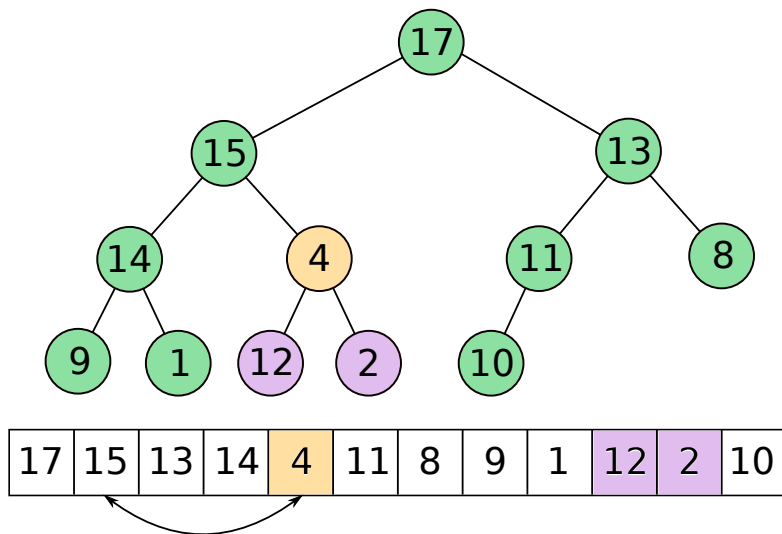
- ▶ Max_Heapify(A, 2)



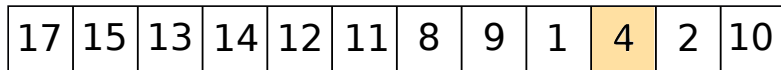
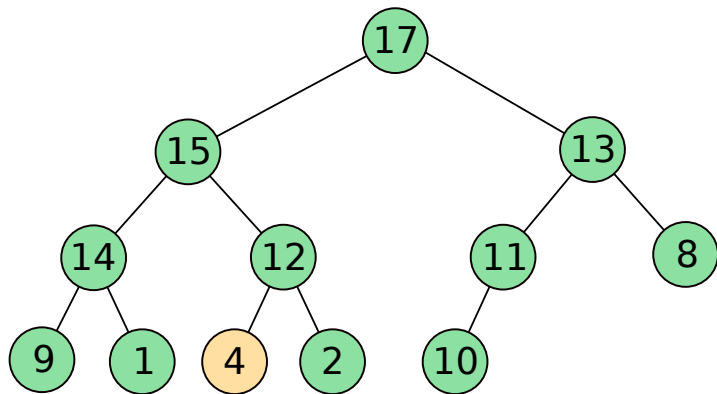
17	4	13	14	15	11	8	9	1	12	2	10
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Восстановление свойства невозрастания кучи

► Max_Heapify(A, 5)

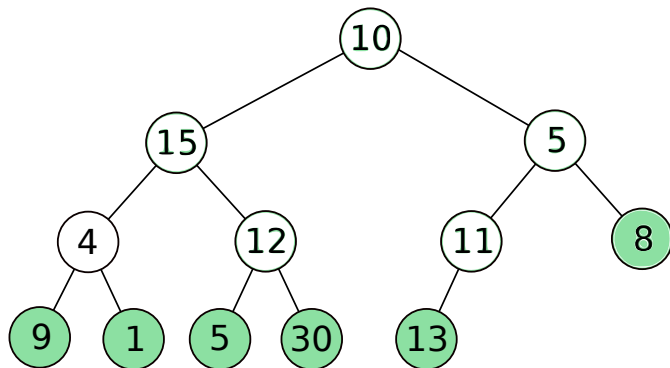


Восстановление свойства невозрастания кучи



Создание кучи. Build_Max_Heap(A)

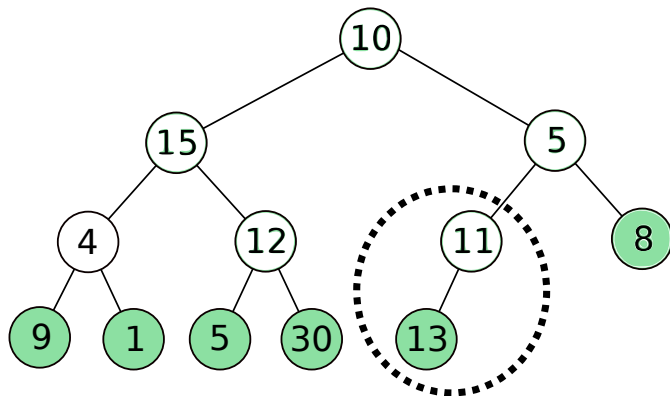
- ▶ Max_Heapify(A, 6)



10	15	5	4	12	11	8	9	1	5	30	13
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Создание кучи. Build_Max_Heap(A)

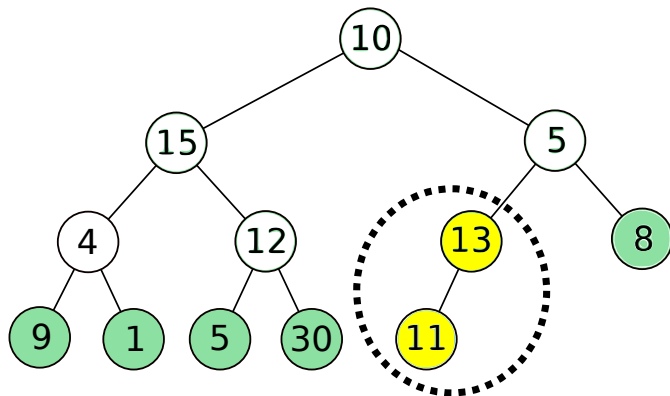
- ▶ Max_Heapify(A, 6)



10	15	5	4	12	11	8	9	1	5	30	13
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Создание кучи. Build_Max_Heap(A)

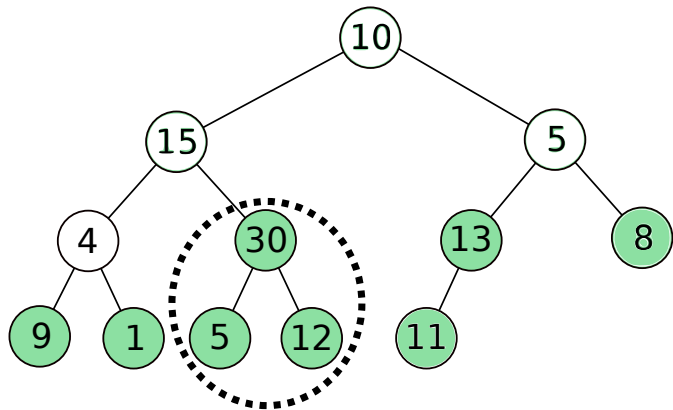
- ▶ Max_Heapify(A, 6)



10	15	5	4	12	13	8	9	1	5	30	11
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Создание кучи. Build_Max_Heap(A)

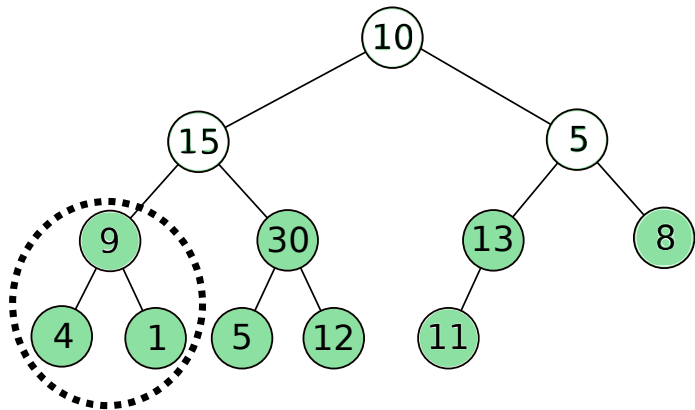
- ▶ Max_Heapify(A, 5)



10	15	5	4	30	13	8	9	1	5	12	11
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Создание кучи. Build_Max_Heap(A)

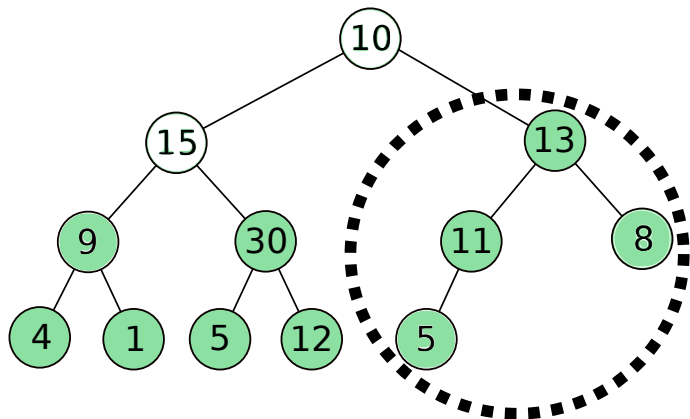
- ▶ Max_Heapify(A, 4)



10	15	5	9	30	13	8	4	1	5	12	11
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Создание кучи. Build_Max_Heap(A)

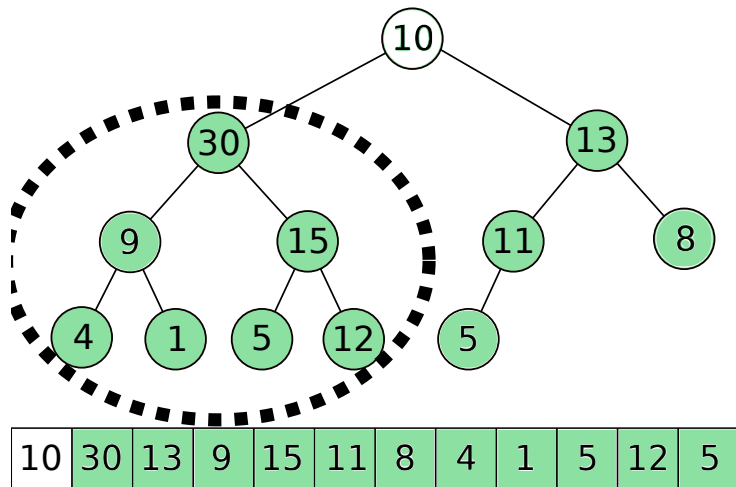
- ▶ Max_Heapify(A, 3)



10	15	13	9	30	11	8	4	1	5	12	5
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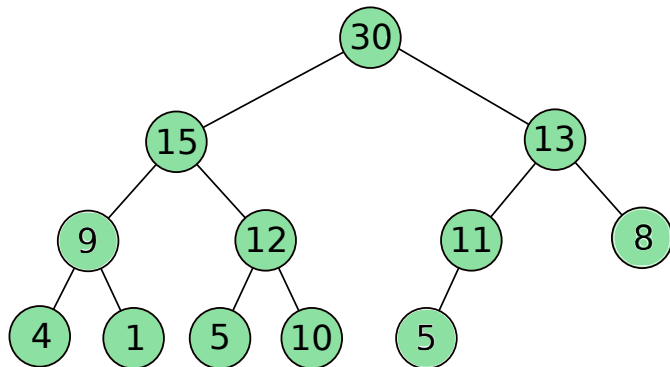
Создание кучи. Build_Max_Heap(A)

- ▶ Max_Heapify(A, 2)



Создание кучи. Build_Max_Heap(A)

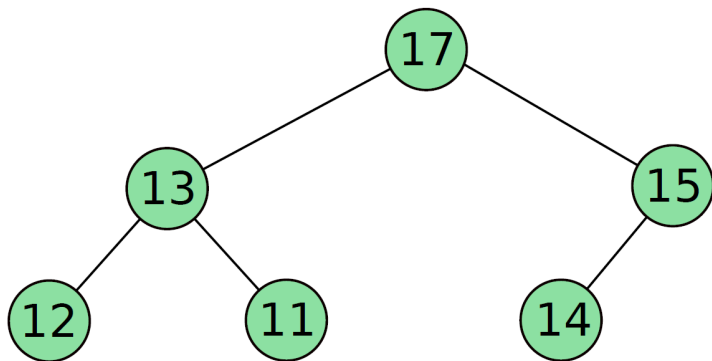
- ▶ Max_Heapify(A, 1)



30	15	13	9	12	11	8	4	1	5	10	5
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Сортировка кучей Heapsort(A)

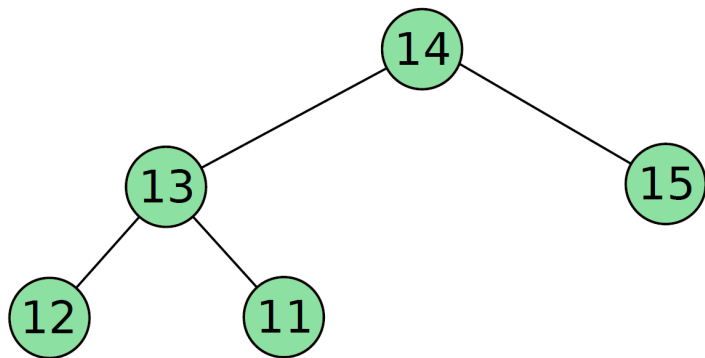
- ▶ Build_Max_Heap(A)



17	13	15	12	11	14
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Сортировка кучей. Heapsort(A)

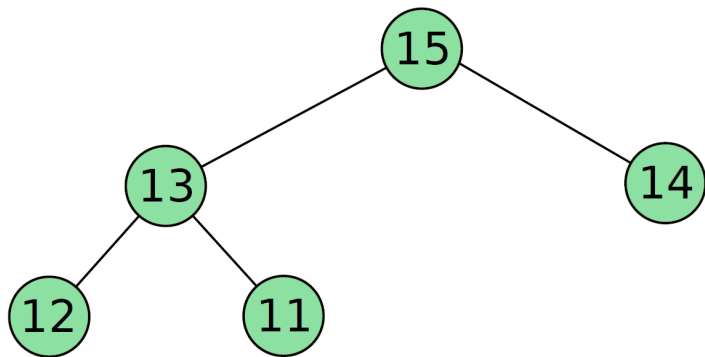
- ▶ Swap(14, 17)



14	13	15	12	11	17
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Сортировка кучей. Heapsort(A)

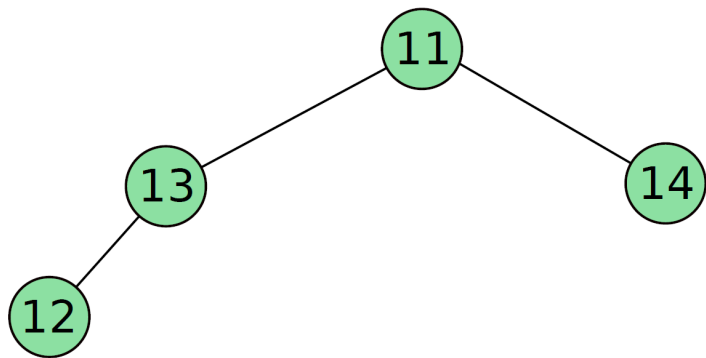
- ▶ Max_Heapify(A, 1)



15	13	14	12	11	17
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Сортировка кучей. Heapsort(A)

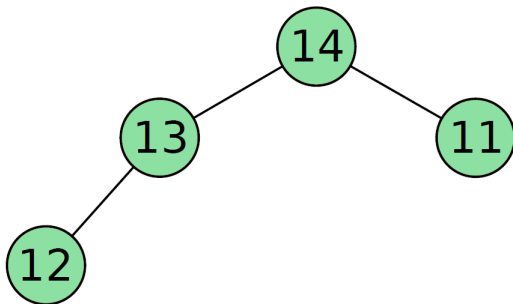
- ▶ Swap(11, 15)



11	13	14	12	15	17
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Сортировка кучей. Heapsort(A)

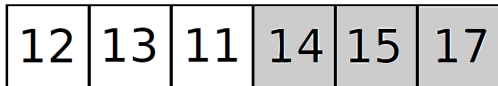
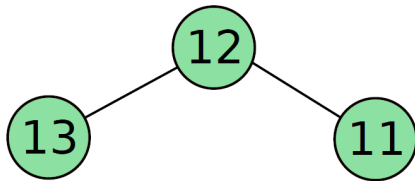
- ▶ Max_Heapify(A, 1)



14	13	11	12	15	17
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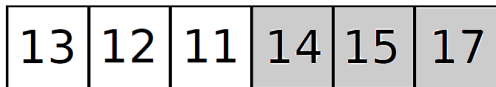
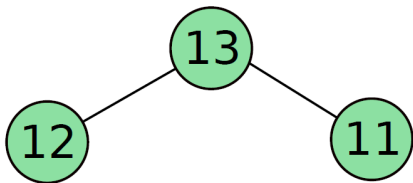
Сортировка кучей. Heapsort(A)

- ▶ Swap(12, 14)



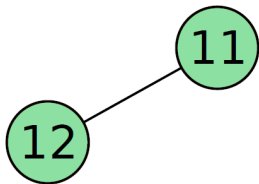
Сортировка кучей. Heapsort(A)

- ▶ Max_Heapify(A, 1)



Сортировка кучей. Heapsort(A)

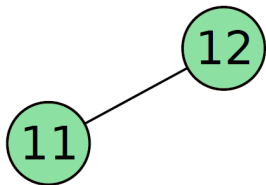
- ▶ Swap(13, 11)



11	12	13	14	15	17
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Сортировка кучей. Heapsort(A)

- ▶ Max_Heapify(A, 1)



12	11	13	14	15	17
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Сортировка кучей. Heapsort(A)

- ▶ Swap(11, 12)

11

11	12	13	14	15	17
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