

Median of medians

Lecture 10 Supplement

83	18	94	70	32	12	2	45	57
74	68	93	95	69	30	42	28	17
76	47	61	40	43	16	62	6	27
63	54	1	73	33	81	49	85	23
26	15	96	24	3	59	35	7	46

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74	68	93	95	69	30	42	28	17
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Find median of medians

26	15	1	24	3	12	2	6	17
63	18	61	40	32	16	35	7	23
74	47	93	70	33	30	42	28	27
76	54	94	73	43	59	49	45	46
83	68	96	95	69	81	62	85	57

17	6	12	3	2	15	24	26	1
23	7	16	32	35	18	40	63	61
27	28	30	33	42	47	70	74	93
46	45	59	43	49	54	73	76	94
57	85	81	69	62	68	95	83	96

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23	7	16	32	35	18	40	63	61
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57	85	81	69	62	68	95	83	96

Must be smaller than the median ($3/10 n$)

17	6	12	3	2	15	24	26	1
23	7	16	32	35	18	40	63	61
27	28	30	33	42	47	70	74	93
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57	85	81	69	62	68	95	83	96

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