

Exercise 2.4.15

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In the median sort algorithm, if you pick a "good" v , the array is expected to shrink by at least 25%.
You must pick two v 's before you expect to find a "good" one. This is because the expectation of finding a good v is $\frac{1}{2}$ and two choices result in $\frac{1}{2} + \frac{1}{2} = 1$.