

Ex 44. 4 3 2 5 1 8 7 6

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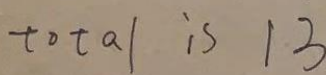


## Ex. 44

$\bar{E}_x 48.$

$$00\_111 \Rightarrow 2^2$$

$\bar{E}_x 64$



72

121

2

We know that there are at least 2 students have last names that begin with the same letter

$$\lceil X/2 \rceil \geq 2 \Rightarrow X \geq 5$$