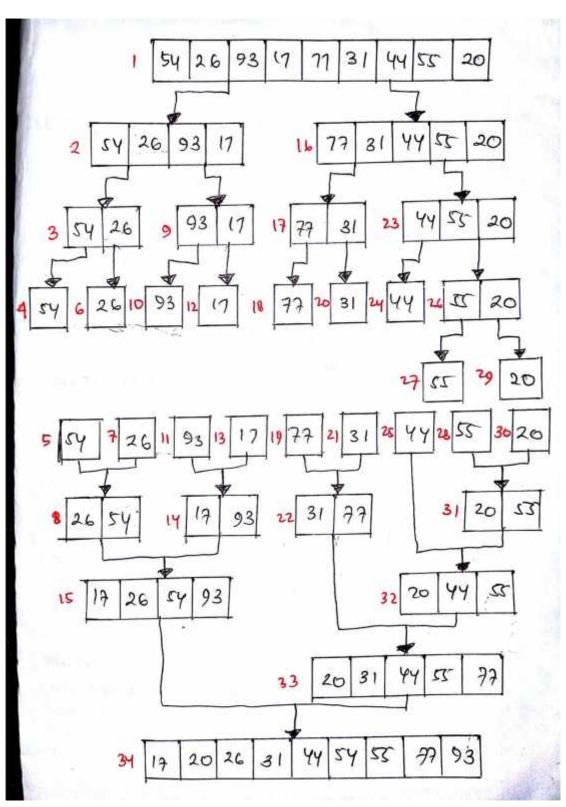
NAMA: ARLIN WIDYA RAHAYU

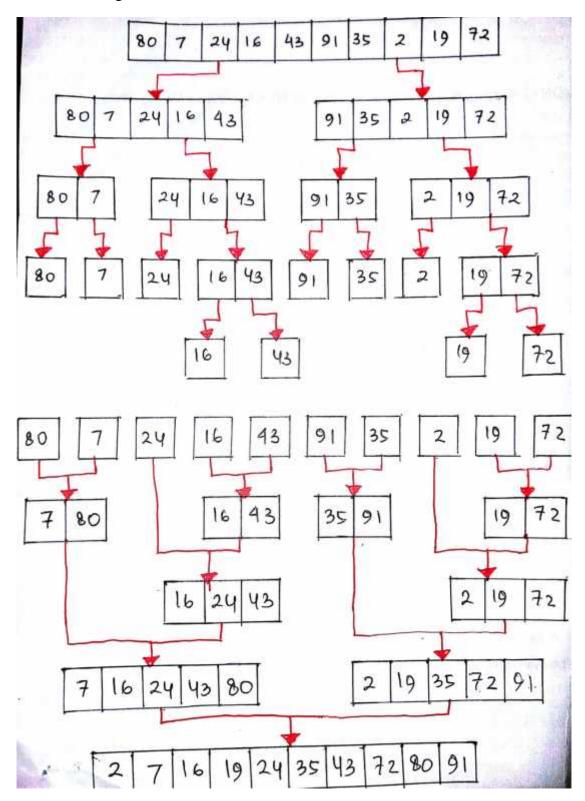
NIM : L200170014

KELAS: A

Nomer 2



Nomer 4a. Merge Sort



Nomer 4b. Quick Sort

Low

L = [80,7,24,16,43,91,35,2,19,72]

80	7	24	16	43	91	35	2	19	72
pivot									
80	7	24	16	43	91	35	2	19	72
Low									High
									pivot
72	7	24	16	43	91	35	2	19	80
Low									High
									pivot
72	7	24	16	43	91	35	2	19	80
					Low				High
					pivot				
72	7	24	16	43	80	35	2	19	91
					Low				High
								pivot	
72	7	24	16	43	19	35	2	80	91
	<u> </u>	<u> </u>	<u> </u>		Low	<u> </u>	<u> </u>	High	
pivot									
72	7	24	16	43	19	35	2	80	91

high

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u	ı١	/ι		L

2 7 24 16 43 19 35 72 80 91 Low High 2 7 24 16 43 19 35 72 80 91 Low High 2 7 24 16 43 19 35 72 80 91 Low High 2 7 24 16 43 19 35 72 80 91 Low High 2 7 24 16 43 19 35 72 80 91 Low High 2 7 24 16 43 19 35 72 80 91 Low High pivot 2 7 24 16 43 19 35 72 80 91 Low High								•		
pivot 2	2	7	24	16	43	19	35	72	80	91
2 7 24 16 43 19 35 72 80 91 Low High 2 7 24 16 43 19 35 72 80 91 Low High 2 7 24 16 43 19 35 72 80 91 Low High 2 7 24 16 43 19 35 72 80 91 Low High 2 7 24 16 43 19 35 72 80 91 Low High Pivot 2 7 24 16 43 19 35 72 80 91 Low High Pivot Pivot Pivot Pivot Pivot Pivot Pivot	Low							High		
2 7 24 16 43 19 35 72 80 91 Low High 2 7 24 16 43 19 35 72 80 91 Low High 2 7 24 16 43 19 35 72 80 91 Low High Low High 2 7 24 16 43 19 35 72 80 91 Low High Low High Low High Private Private Private Private <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										
Low								pivot		
pivot 2	2	7	24	16	43	19	35	72	80	91
2 7 24 16 43 19 35 72 80 91 Low High High Divot 2 7 24 16 43 19 35 72 80 91 Low High Divot 2 7 24 16 43 19 35 72 80 91 Low High Pivot Divot Pivot 2 7 19 16 43 24 35 72 80 91	Low	-1						High		
2 7 24 16 43 19 35 72 80 91 Low High High Divot 2 7 24 16 43 19 35 72 80 91 Low High Divot 2 7 24 16 43 19 35 72 80 91 Low High Pivot Divot Pivot 2 7 19 16 43 24 35 72 80 91										
Low High pivot 2 7 24 16 43 19 35 72 80 91 Low High pivot 2 7 24 16 43 19 35 72 80 91 Low High pivot 2 7 24 16 43 19 35 72 80 91 Low High pivot 2 7 24 16 43 19 35 72 80 91 Low High		pivot								
pivot 2	2	7	24	16	43	19	35	72	80	91
2 7 24 16 43 19 35 72 80 91 Low High Low High Privot 2 7 24 16 43 19 35 72 80 91 Low High Privot 2 7 19 16 43 24 35 72 80 91		Low		I.	1	1	High	I.	1	1
2 7 24 16 43 19 35 72 80 91 Low High Low High Privot 2 7 24 16 43 19 35 72 80 91 Low High Privot 2 7 19 16 43 24 35 72 80 91										
Low High pivot 2 7 24 16 43 19 35 72 80 91 Low High pivot 2 7 24 16 43 19 35 72 80 91 Low High pivot 2 7 19 16 43 24 35 72 80 91		pivot								
pivot 2	2	7	24	16	43	19	35	72	80	91
2 7 24 16 43 19 35 72 80 91 Low High 2 7 24 16 43 19 35 72 80 91 Low High pivot 2 7 19 16 43 24 35 72 80 91		Low	ı		l	l	High		l	
2 7 24 16 43 19 35 72 80 91 Low High 2 7 24 16 43 19 35 72 80 91 Low High pivot 2 7 19 16 43 24 35 72 80 91										
Low High pivot 2 7 24 16 43 19 35 72 80 91 Low High pivot 2 7 19 16 43 24 35 72 80 91			pivot							
pivot 2 7 24 16 43 19 35 72 80 91 Low High pivot 2 7 19 16 43 24 35 72 80 91	2	7	24	16	43	19	35	72	80	91
2 7 24 16 43 19 35 72 80 91 Low High pivot 2 7 19 16 43 24 35 72 80 91		1	Low		l	l	High		l	
2 7 24 16 43 19 35 72 80 91 Low High pivot 2 7 19 16 43 24 35 72 80 91										
Low High pivot 2 7 19 16 43 24 35 72 80 91			pivot							
pivot 2 7 19 16 43 24 35 72 80 91	2	7	24	16	43	19	35	72	80	91
2 7 19 16 43 24 35 72 80 91			Low	ı	1	High	<u>I</u>	ı	1	1
2 7 19 16 43 24 35 72 80 91										
2 7 19 16 43 24 35 72 80 91										
						pivot				
Low High	2	7	19	16	43	24	35	72	80	91
		1	Low	1		High	1	1		1

pivot

2	7	19	16	43	24	35	72	80	91
				Low	High				
				pivot					
2	7	19	16	24	43	35	72	80	91
	1	ı		Low	High	1		ı	
		pivot							
2	7	19	16	24	43	35	72	80	91
	1	Low	High	ı		1		ı	
						pivot			
2	7	16	19	24	35	43	72	80	91
	•				Low	High			
2	7	16	19	24	35	43	72	80	91
·	·	·	·		·	·	·	·	