WQ #12.

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$A_1[1...5] = \{88, 86, 50, 21, 13\}$ $p=1$ $r=5$

88 86 50 21 13. → 88 86 50 21 13. → 13 86 50 21 88

keep sorting $A_1[2...5] = \{13, 86, 50, 21, 88\}$ $p=2$ $r=5$.

13 86 50 21 88 → 13 86 50 21 88. → 13 86 50 21 88.

keep sorting $A_1[2,...,4] = \{13, 86, 50, 21, 88\}$ $p=2$ $r=4$.

13 86 50 21 88 → 13 86 50 21 88. → 13 21 50 86 88

keep sorting $A_1[3,...,4] = \{13, 21, 50, 86, 88\}$ $p=3$ $r=4$.

13 21 50 86 88 → 13 21 50 86 88 → 13 21 50 86 88

→ sorted. $\{13, 21, 50, 86, 88\} = A_1[1...5]$

$A_2[1...7] = \{21, 24, 18, 9, 14, 10, 15\}$ $p=1$ $r=7$

21 24 18 9 14 10 15 → 21 24 18 9 14 10 15 → 9 24 18 21 14 10 15

→ 9 24 18 21 14 10 15 → 9 14 18 21 24 10 15 → 9 14 18 21 24 10 15

→ 9 14 10 21 24 18 15 → 9 14 10 15 24 18 21.

keep sorting $A_2[1...3] = \{9, 14, 10, 15, 24, 18, 21\}$ $p=1$ $r=3$.

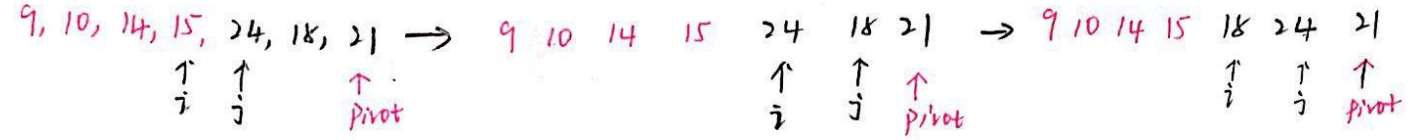
9, 14, 10, 15, 24, 18, 21 → 9, 14 10 15 24 18 21 → 9 10 14 15 24 18 21

keep sorting $A_2[1]$

keep sorting $A_2[3]$

→ 9, 10, 14, 15, 24, 18, 21

keep sorting $A_2[5...7] = \{9, 10, 14, 15, 24, 18, 21\}$ $p=5$, $r=7$.



→ 9 10 14 15 18 21 24.

keep sorting $A[5]$

keep sorting $A[7]$

>> $\{9, 10, 14, 15, 18, 21, 24\} = A_2[1...7]$