```
WQ #12.
                                                           Dong Boyuan
 A, [1... 5] = 188, 66, 50, 21, 13] P=1 7=5
                                                           1547489
                           → 1 × 6 50 21 13. → 13 86 50 21 88
      88. 86 sp 21 13.
                    Pirot
   keep sorting AII2... 5] = [3,86,50, 21,88] p=2 Y=5.
    13 86 50 21 88 -> 13. 86 50 21 88. -> 13 86 50 21 88.
                                   TT Tivot
           Pivot
  keep sorting [41 [211,4] = $ 13,86,50,21, 88 } P= 2 Y= 4
  13 86 50 21 88 -> 13 86 50 21 88 -> 13 21 50 86 88
             Pivot
  keep Lorthly AII 3,1, 4] = [13, 21, 50, 86, 88] P=3 Y=4
  13 × 50 86 88 -> 13 × 150 86 58 +> 13 × 150 86 588
   ->. sorted. [13, 21, 50, 86, 88] = AI [1...5]
A2[1... 7] = {21, 24, 18, 9, 14, 10, 15] P=1 Y=7
   7 74 18 9 14 10 15 -> 21 74 18 9 14 10 15 -> 9 24 18 21 14 10 15
                  Privot
       9 74 18 21 14 10 15 -> 9 14 18 21 24 10 15 -> 9 14 18 21 24 10 15
                                                  Pivot
       9 14 10 21 24 18 15 -> 9 14 10 15 24 18 21
 keep sorting AII... 3] = [9, 14, 10, 15, 24, 18, 21] P=1 Y=3.
   9, 14, 10, 15, 24, 18, 21 -> 9, 14 10 15 24 1821 -> 9 10 14 15 24 18 21
 1 1 Prot
  keep sorting ASEI]
                     > -> 9, 10, 14, 15, 24, 18, 21
```

keep costing AI3]

keep conting $A_{2}I_{5...}$, 7] = $\{9, 10, 14, 15, 24, 18, 21\}$ P=5, Y=7 $\{9, 10, 14, 15, 24, 18, 21 \rightarrow 9 10 14 15 24 18 21 \rightarrow 9 10 14 15 18 24 21$ $\{1, 10, 14, 15, 24, 18, 21 \rightarrow 9 10 14 15 24 21 \}$ $\{1, 10, 14, 15, 24, 18, 21 \rightarrow 9 10 14 15 24 21 \}$ $\{1, 10, 14, 15, 24, 18, 21 \rightarrow 9 10 14 15 24 21 \}$ $\{1, 10, 14, 15, 24, 18, 21 \rightarrow 9 10 14 15 24 21 \}$

→ 9 10 14 15 18 21 24.

keep sorting AIJ \Rightarrow 9, 10, 14, 15, 18, 21, 24] = A2II...7] keep sorting <math>AIJ