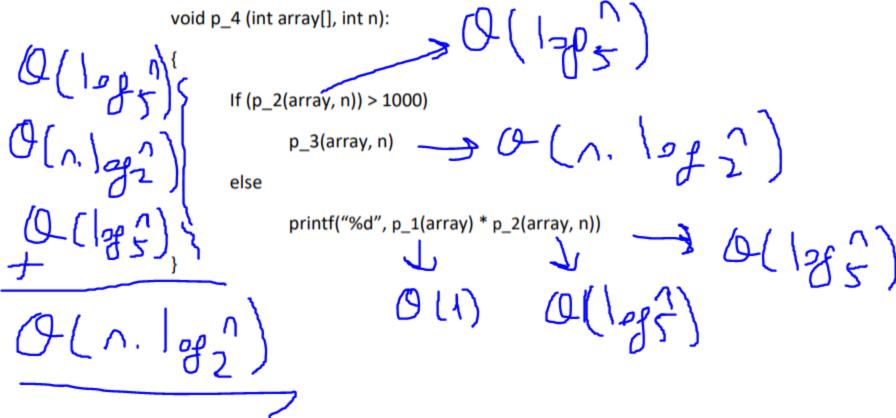


void p\_3 (int array[], int n):

$$\begin{cases}
& \text{for (int } i = 0; i < n; i++) \longrightarrow (A \cap A) \\
& \text{for (int } j = 0; j < i; j=j*2) \longrightarrow (A \cap A)
\end{cases}$$

$$\begin{cases}
& \text{printf("%d", array[i] * array[j])}
\end{cases}$$



```
≡ pseudo.txt X
C: > Users > fatih > Desktop > ≡ pseudo.txt
       int find min(ArrayList<Integer> arr){
           Integer minimum = arr.get(0) /* Theta(1) */
           for i = 0 to i = n, do; /* Theta(n) */
                                                                /* This alghoritm's time complexity is Theta(n) */
               if < arr.get(i) then, /* Theta(1) */</pre>
                   minimum = arr.get(i) /* Theta(1) */
               end if
       void is sum equal(ArrayList<Integer> arr , int value){
 11
 12
           for i = 0 to i = n, do
                                                                /* Worst case = O(n) , Best case = Theta(1) */
               for j = 0 to j = n, do
                                                                /* Worst case = O(n) , Best case = Theta(1) */
                   if ( arr.get(i) + arr.get(j) == value)
                                                                /* Theta(1) */
                       print arr.get(i) and arr.get(j)
                                                                /* Theta(1) */
                                                                /* Theta(1) */
                       return
                   end if
       /* Worst case is O(n) * O(n) = O(n^2) and best case is Theta(1) * Theta(1) = Theta(1) */
 23
```