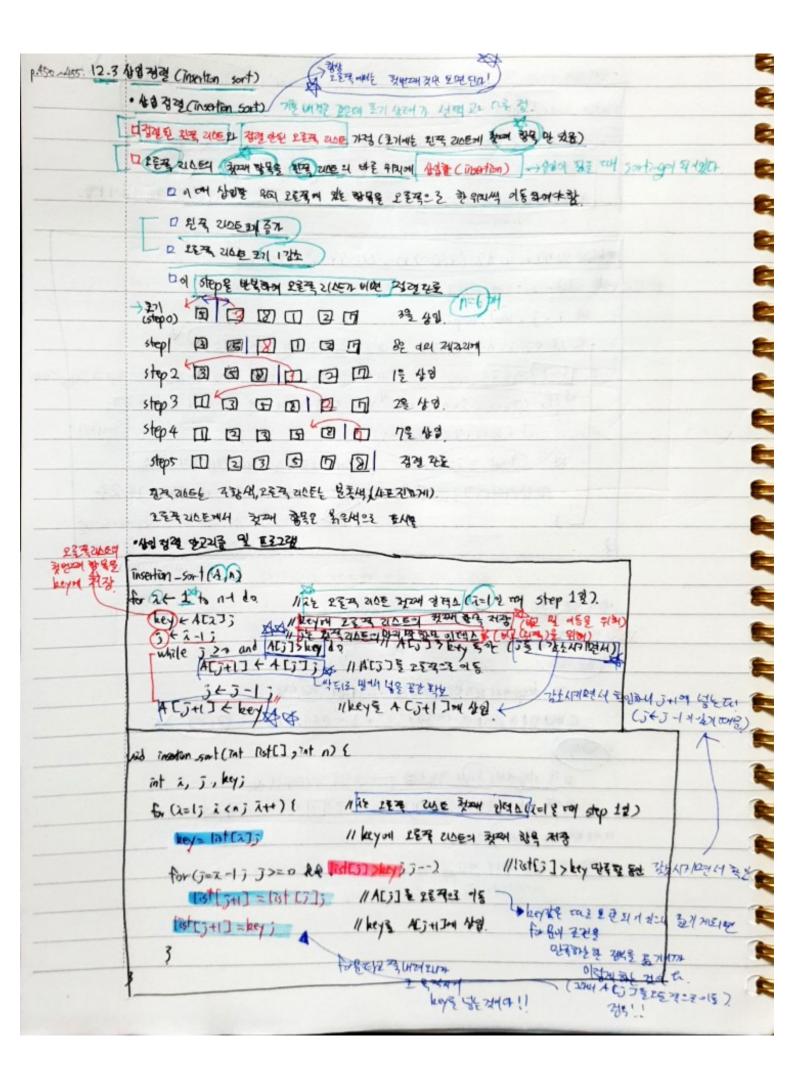
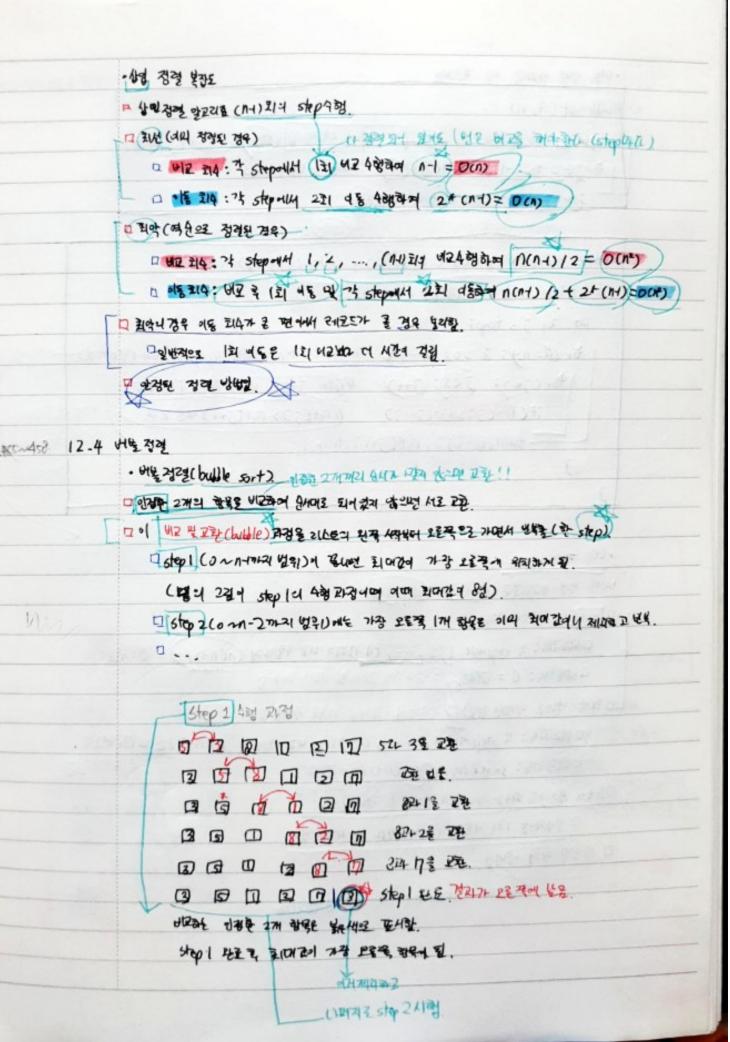


かみかりませか 2121 DE mary 31 indea 3121 A · 선택 경쟁 축고2를 및 트로그램 selection _sort (2) 10 mary antex. कि 10 to 1-2 do 112 प्रस्म अध्या भूत्यम भूत्यम अध्या (मिन्ध्यम step 1%) least + A[i], A[i+1], ..., A[n+], 3-14] the stay despo しっまかなかいませ を与りかい日まりを変」 A[i] 21 A Clost] = PE; #define SWAP(x, y, t) (((t)=(x), (x)=(x), (y)=(t)) unid selection - sort (Int 135(1, int n) (int 2, 5, least, temps for (2=0; 2< n-1; i+1) { WZE 2222 ZINEW \$200 0000 Teast = 1; least & 里哥里 ZIA EN 对如 至712 + 力至715年7 Z+ TS+10 CHU, for (j=i+1 j j(n)j+t) With 28号 ales 문에 한데 13月时 n-1かる 376) LZD4 TI SOUR BLUDGI if (list ()) < list [least]) A Teast = jist 11 least 237 UDE ONLY THE BUY DETE SWAP (list (27) list Eleast , temp) 11 list [27] 21 list [least] = 22. अराजिमान्त्रार के स्था के ध्रम अराज के प्रमुख्य इहेन्द्री सूर्या रिमान तमा मिरा मेरे केवल Post=え=ブリアレゼン-X!! · (en राज प्राप्त (element) > 22127 3(3/02 72) किस सेख करायहर (A-1) मेन उस्क 4 के MZ ZI4 17 step-44 (14), (1-2), ... 124 WZ ABY. 日田正刻4: (N+) + (N-2)+ ... + 1 = N (N+)/2 = (1) ० वहस्य 1 में अस्किनाम (3डीम वह रेडी → 2male अंगवाहां के 10 (\$ 714: 3×(n+) 00) (=) | 321 /5 = 121 SHAP S 日4年224 至: (0(17))

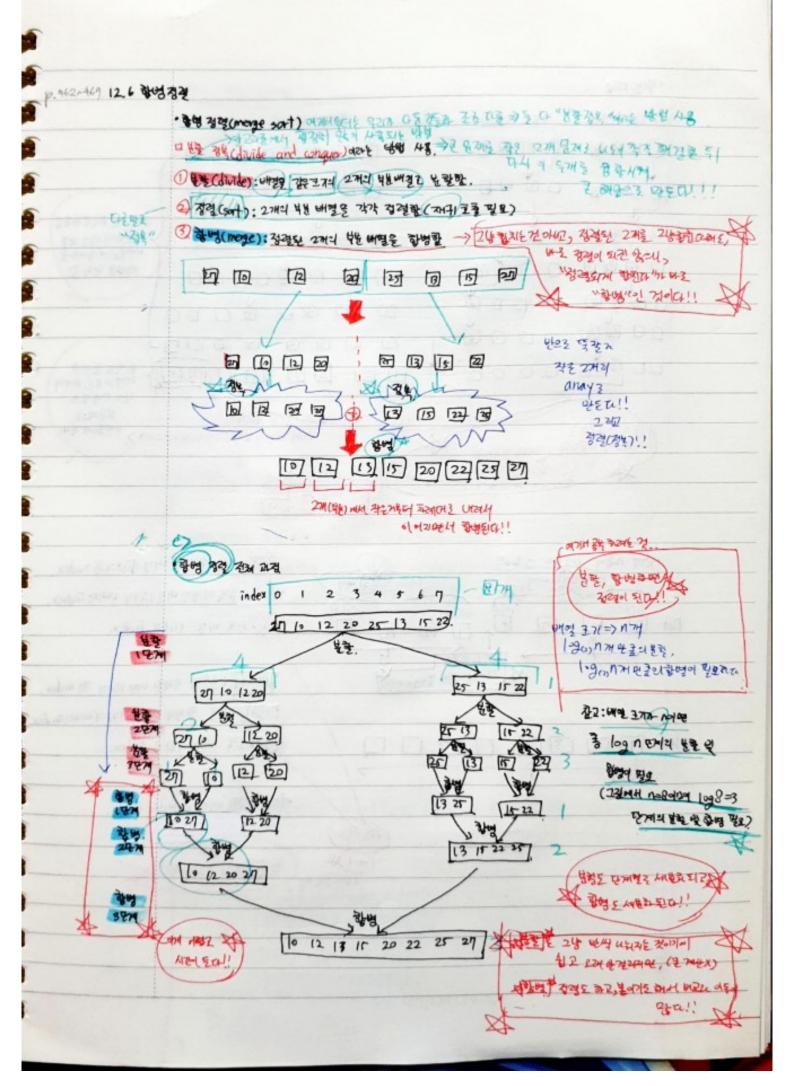
व क्षेत्रक श्रेव क्षेत्र वर्ग

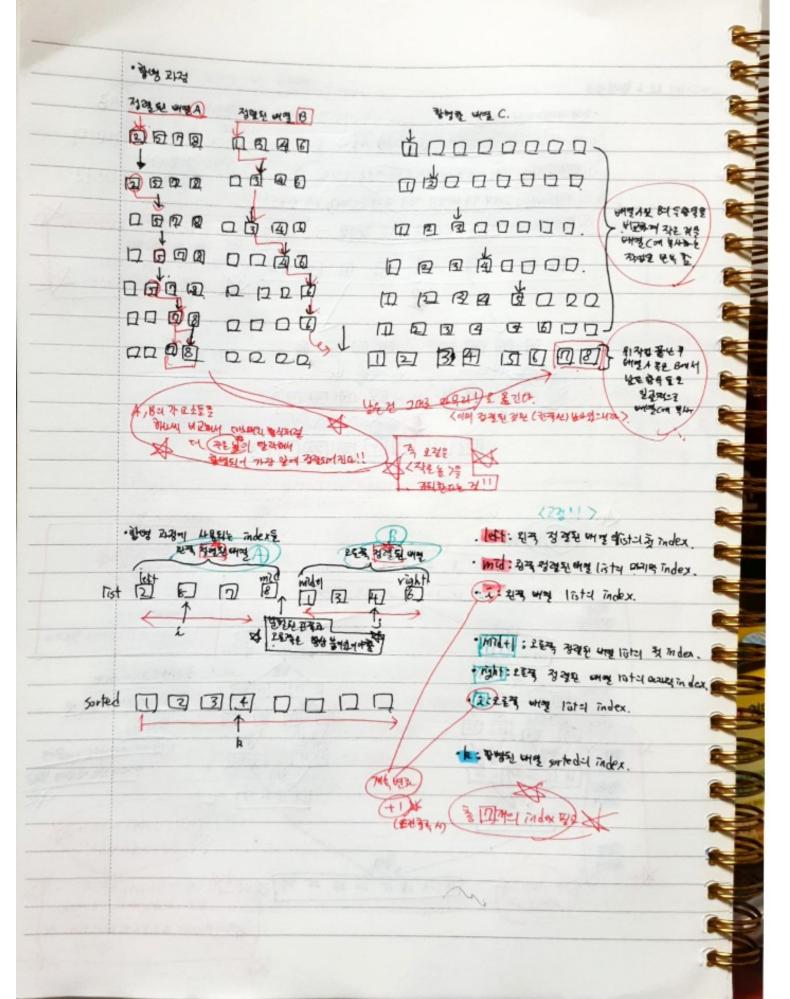
अभावकार में हिल्में हैं। समान कहा





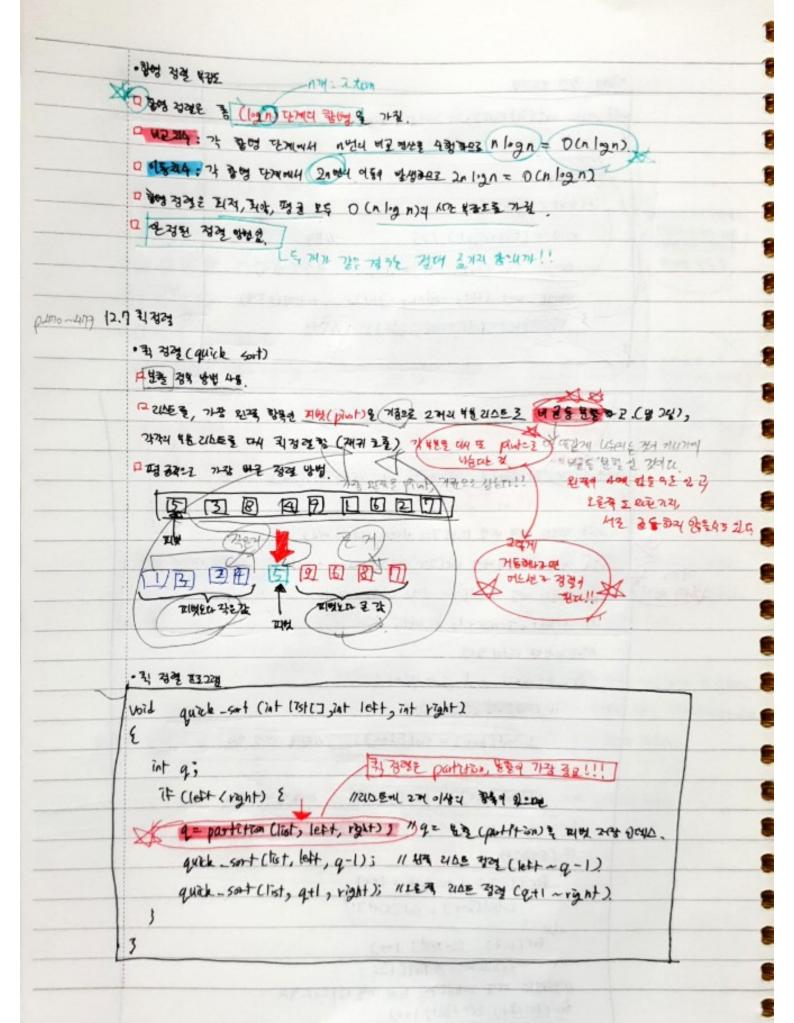
```
· 바일 강절 물고기를 다 표조기점
for at 1-1 to 1 do the of step- 12 2 (step 12 Z=A ( 2 1012)
Bubble Sort (A, n)
   िर्द्र के के ने निष्ठ । । जिस् उसीह भारत के बहुद्दे अव्युष्ठ
              उंटा उसास्त्रम्थ हरू देश केल अपास्त्र देश
                                                                                                      QUAP.
 # define SWAP(X, y, x) ((x)=(x), (x)=(y), (y)=(x)).
 void bubble-sort (int 13+12) , int 1) (
                                                                                                                                                                                                                                                         for (a= n+3 i >03 i--) { 1126 d step 4 287 B(step 1 = zen + 2004 2) - step 1 3 100
                   1800 (Jeo) 3 (2) J++) 11022 J+18 422 8824 441
                               (16(15) 18(15) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(15)) (16(
                                                                                                                                                                                                                          tensus
                                     SWAP(18 [j], 18 [j+1], temp);
                                                                                                                                                                                                                          행의는
                    3
   , अर्थ मुख् देखर
  िमार देख इयाइह (14) मेच step 4 की
  ा भारे (वा अवहर पेन)
            ロルスコル: 大 step のは 1,2,-,(1+)社は 以至 4数のつく (1-1)/2 = 0 (1-1)
             다 이동보다: 0 2001) 경영의 되어 왔어요도 내교는 해수를
10 원학 (계속으로 자연단 경우) () 자연되어 의지선 이 등은 사수를 받음
               0 12 114: 75 step MM 1,2, --, (111) = 42 43 43 1 1 (111) 12 = 0(17)
                                                                                                                                                                                                        내고 가무
                1018214: 34 42214 = 34 n(n+1)/2 = 0 (m2)
  DAGE 75+016 2197 THE OTTEN 3 34 BUS
                1 अंध्या । में नहिंद कि स द्वार त मक्न यह
  प्रमध्यम् अयः चंत्रः
                                      [ 417 219617 84 x4 01 78 1 1 1172
```

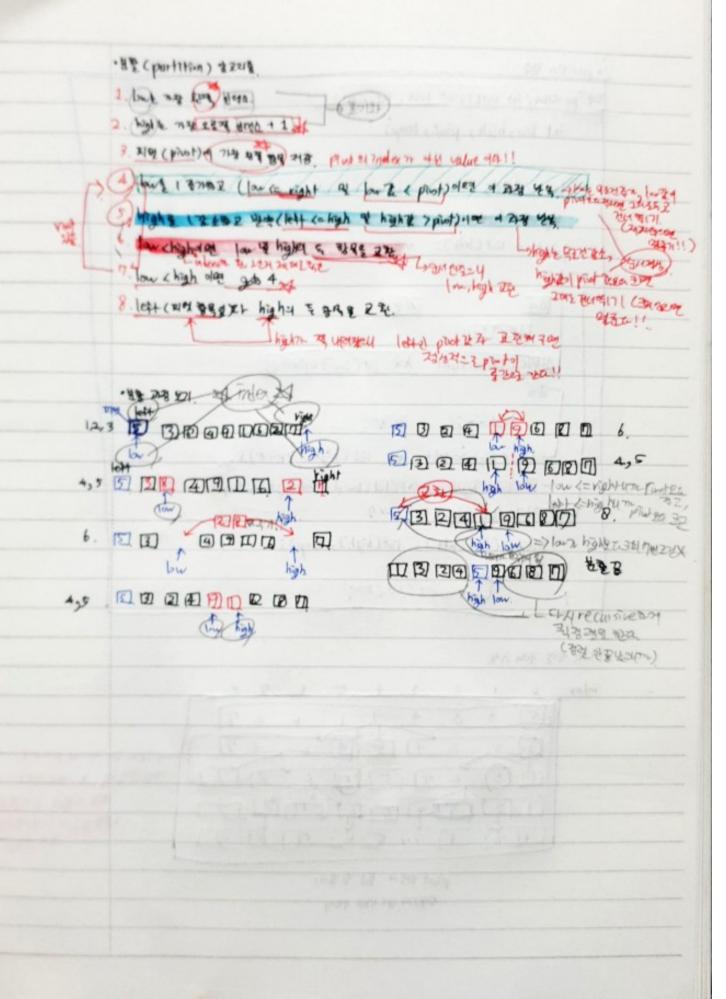


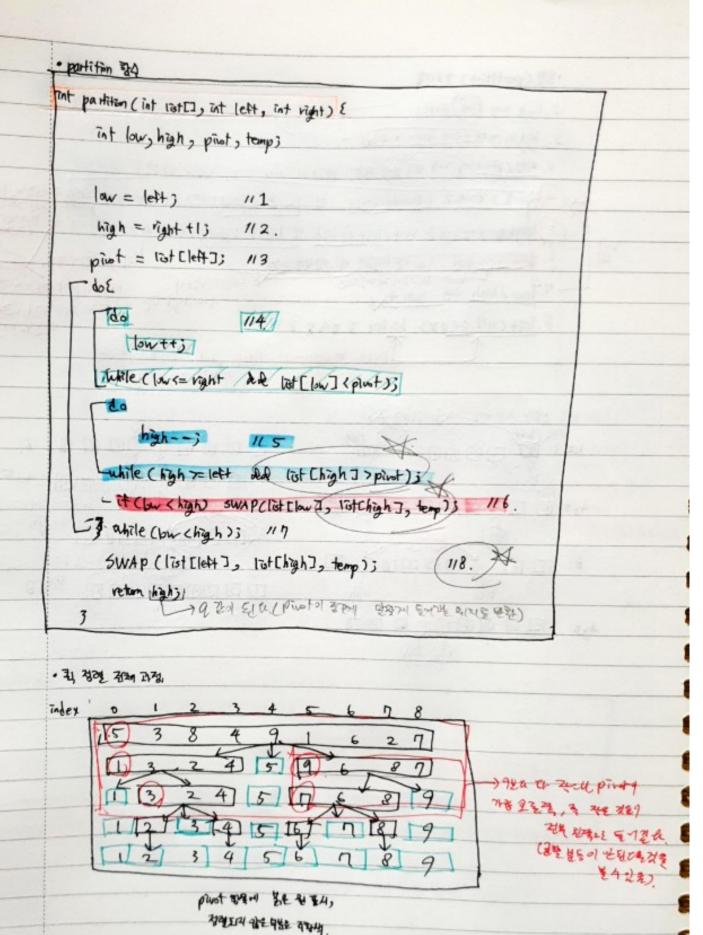


```
* 항병 경쟁 프로그램.
          voil merge_sort (inflist[], int left, int right)
             int mid;
             if (left ( right) {
                mid = (lefttright) /2; 1132
                merge_sort (list, left, mid); 11 まるを表)
                mage_sort (list, mid+1, right); 11对对(2至4)
                merge (list, left, mid, vight); 11869
          Tht sorted EMA X_SIZE] 3 パネル までり 型見.
          word (merge that list[], int left, int mid, int right)
           // 시간 전쟁된 왼쪽 배열 (7st(]의 인데스 (let ~ mid)
           リラも 对きな 오豆耳 49度 list(コン elon (mid+ ) ~ right)
 OFTIL
$ 50 PM
           1166 ASTE AND Sorted[] a JUL (left arght)
           int aclett, Jemid + 1, he lett, li
            /변환경절된 13td 항영.
             utile (i smid & al j <= right) [
                if (mfca] (=lightj])
                  Sorted [ b++) = 13+ [2++] > / /1/27 449 44
               eke
                 50-ted [h++] = 10+[3++33 / 11 = 44
              3
              (15m(2) 47
                 for (1=3; 1 (= right ) 1++)
                    sorted [ htt ] = [atc] ]/
                 Ar(1=2) [<= mid) 1++2
                    satedchet) = 18+013;
              ॥ योगूर्य भाग डामरीटा माम भाग । उ टाउ देम
              for ( leletts 1 ( - right; 1++)
              (13+t1) = SHELLIT
          3
```

经过程在在 在 在 在 在







• ये देखें देशह

화선의 경우(거의 분통한 ZIVE 3 유효지는 계속)

- D THA 4 (log(n))
- 그 가 돼는 군에서의 시로 횟4:0
- 1 3 012 24: n+ lgn = 0 (nlgn)
- 그 중 기동 짓4 ; 비교짓4세 비하여 적으므로 무시기능

ा अन्य अकर कार तिहरू उत्तह स्टूबर अन्।

- 1 TAL 4:1
- 다가 때는 아메네 버모릿수:n
- 13 42 34: n= = O(1)
- 돌 여동 짓시 : 버르왓에 비용어 적으므로 먹시가능.

p.48/2-48/ 12.10 3/3 1/2013 40.

·정철 학교과 비교

	알 Z4를	3.45	ग्ध है	권약.
	선택경격	0 (n2)	O (12)	0(12)
	생성 강전	O(n)	(n2)	0(1)
	61일 경결	O(n2)	O(12)	O(F)
skip	1월 경결	O(n)	O(n1.5)	O(n1.5)
	행병 경격	(cologen)	O(nlagan) (O(nlagan))
	킥경령	O (nlagan)	O(aligar) O(n²)
94	히트경령	(O(nlog2n))	O(nlog=n	
skip	7432	0(4.)	O(dn).	O CON

* 智里 空間 (四日 (734 60,000711)

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い場合な	22_094	
ইপিস্তব্	0.026	dota REAL
31339	0-014	