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Problem 3
  void fl (int n)
     int i= );
      while (icn) &
             1 " something that takes O(1) time +/
            i=; *; ;
   Plugin in value of 25
   n=25 i=2-7;=4-7;=16-> i >n so stop while loop
   i= i *; so minima i is being squared so
             O (logn)
6) void f2 (int n)
       for lint ist ; i = = n ; i++) {
            if ( i .1. (in+) sqrt (a)) == 0) {
                 for (it k=0; k 2 pow (1,3); k++) {
                     *1 O(1) time thing "/
   First for loop runs a lines
   if statement constant time (1)
   2nd for loop. hash pow (i,3) -7 runs n3 times
          n. (1+n3) = [0 (n4)
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c) for (int i=1; i == n; i ++) { for (int k=1; k=n ; k++) { if (A[] == ;) (for list n=1; n==n ; n=min) { 11 O(1) time thing Il wray contests not changed first for loop and second for loop our a times If statement constant time 2nd for loop n/2 = 1/2 + n = n m: Mim 1--1-1-2-72-7-7-4-8-78-8-16-16-16-32 L7 0 (logn) First for loop for (int ;= 0; ich; it+) runs n times int newsize = 3 * size /2 Size= new size - 7 size = 1.5 * size 10 (1.500) 0 (~2)