Qui<u>s</u> .

```
int magicfun( int N) {
    if ( N == 0)
        return 0;
    else
        return magicfun(N/2) * 10 + (N % 2);
}

N=\frac{1}{2}

\text{
        magh'( w)
        magh'( w)

        \text{
        magh'( (2))
        \text{
        magh'( (2))
        \text{
        magh'( (2))
        \text{
        magh'( (3))
        \text{
```

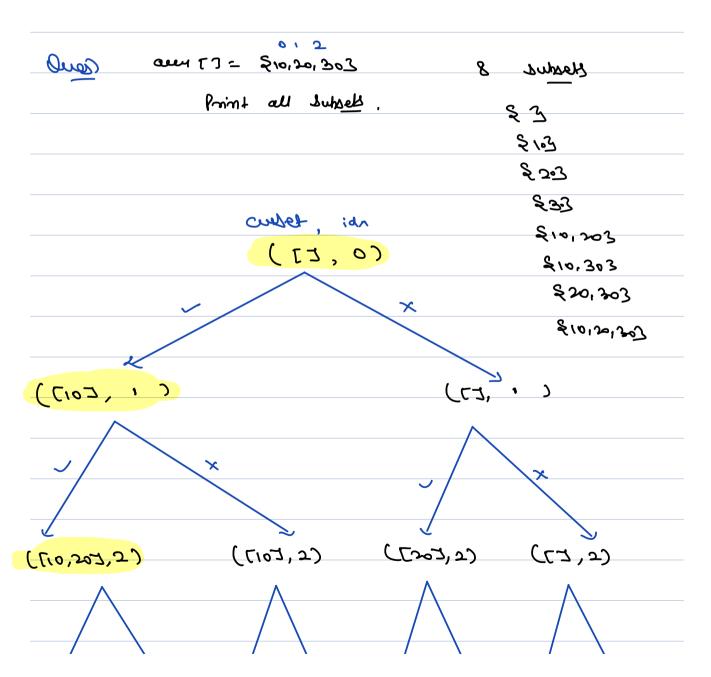
Ores 2)

```
1. void fun(char s[], int x) {
  2. System.out.println(s);
   3. char temp;
  4. if (x < s.length/2) {
          temp=s[x];
          s[x] = s[s.length-x-1];
          s[s.length-x-1]=temp;
          fun(s, x+1);
                                             Jun (10k,3)
  9. }
                                              Jun (10K,2)
  10. }
                                              Jun (10K,1)
   Run for fun("SCROLL", 0);
                                              Jun(10×10)
tok, SCROLLS
```

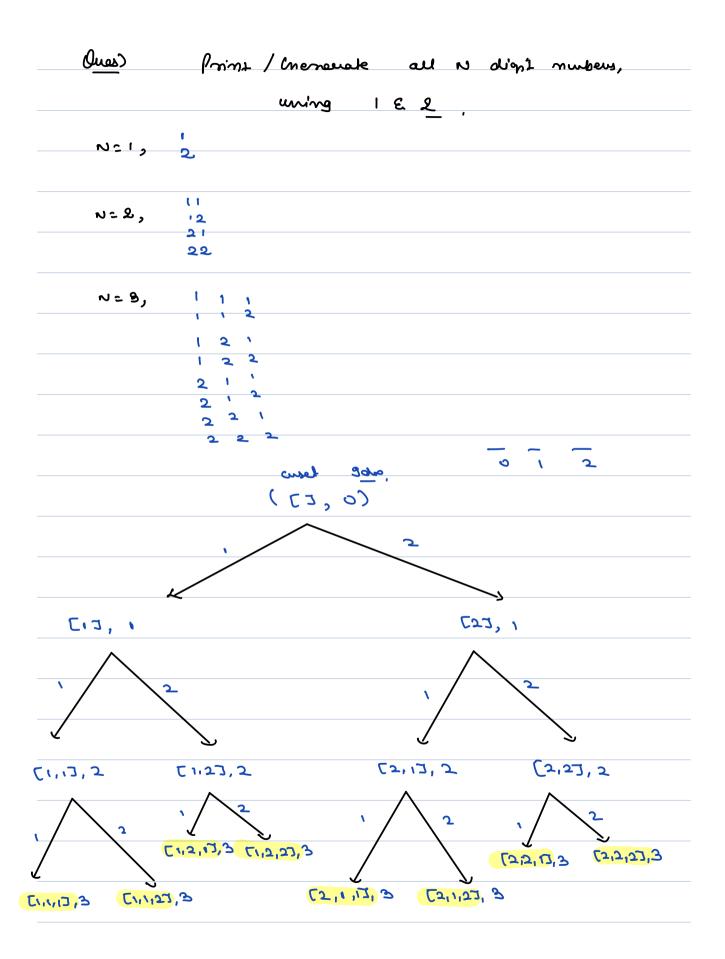
SCROLL	<u>~</u>
LCROLS	fun (mez)
LHROCS	,
h h o e c s	1
	Jun (2)
T. C = 0 00)	tul 1)
D. C = 0 (10)	Co Jum (o)

Ques) au [7 = 21,2,33,	\$1,33 \$1,2,33
Point all Jubset .	
3	
&1,2,3,43 -> &13 &23	
Ees Ees	۵.
843	
રૈ 1,23	
३ ।, ७3	
81,43	
१ २, <u>३</u> 3	
&2,43 &3,43	
\$3.43 \$1,2,33	
8113,43	
82,3,43	
&1,2,43	
81,2,3,42	

	2 3	
₹1,2,23 →	% \3	
7	% 23	
<u>2</u> n,	2 2'3	
(for com of		
(for coul of	21,23	
	22,2,3	
	\$1,2'3	
	21,2,2'3	

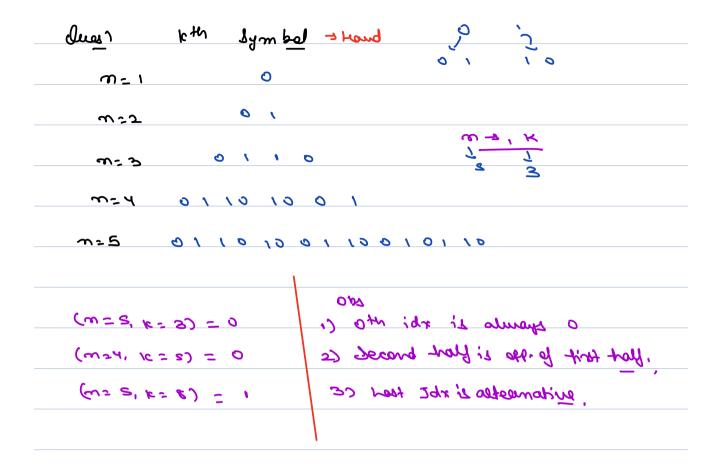


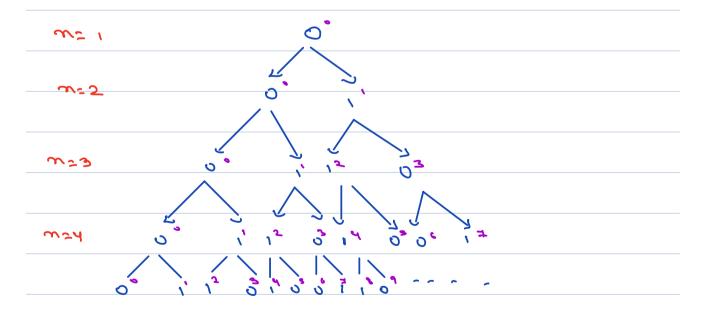
((10,20,30),3)	(E, ros.) (E, ros.) (E, ros.) (E, ros.) (E, ros.)
	LIST < List < 2mt eques > cus; lok sok id (id = = anor length) { Print (anset); (ans. com ret()); print (anset); (ans. com ret());
M. 4 15	11 for every element noe have true chaica. 11 chaice 1: Pick curs et. add (au Tide);
ج ا	Subsets (ann, course, idx+1); (1) charce 2: dani 2 picle Subsets (ann, course, idx+1);
	= 8:27 pm to 8:37 pm break
	T. C. T. O(2m) S. C. T. O(2m)



	3 (ida = = aus. length) };
2	Print (auset);
3	3
•	11 for every element me have two chaics.
	/1 chaice1: we 1
4	curved. add (1);
5	subsels (ann, oursel, idx+1);
6	course remove (course . Lize () - 1);
	// chaice 2: me:2
	coursel. add (2);
7	("Crabi, terms, mes) deather
	couset. remove (couset. Lize () - 1);

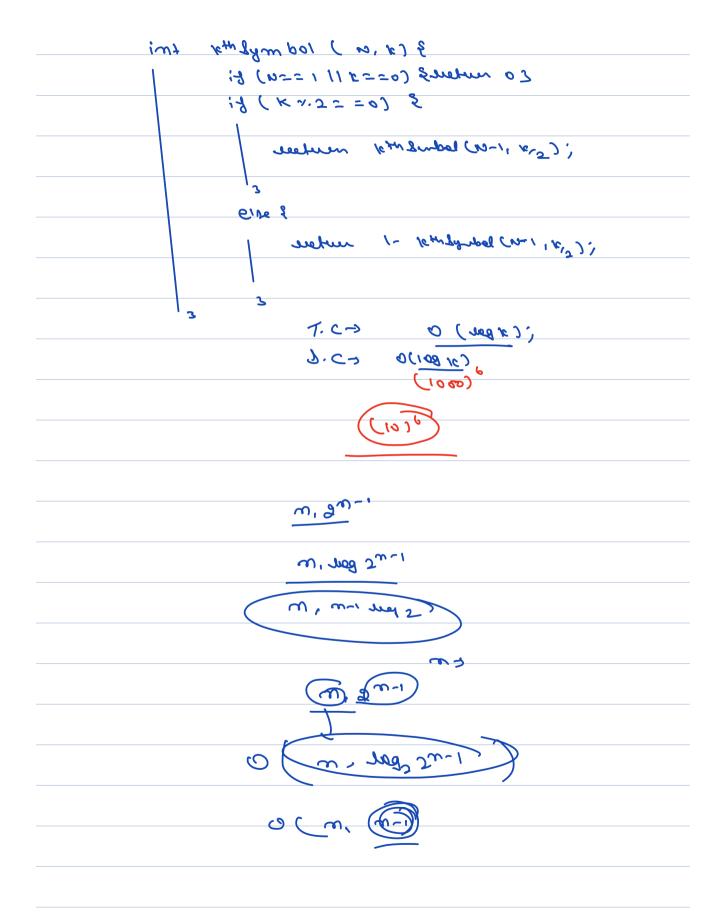
2°+ 2'+ 2º +	
	A4 am)
T. Cs	0(<u>xm)</u>
2. € →	<u>o</u> <u>cm</u>)

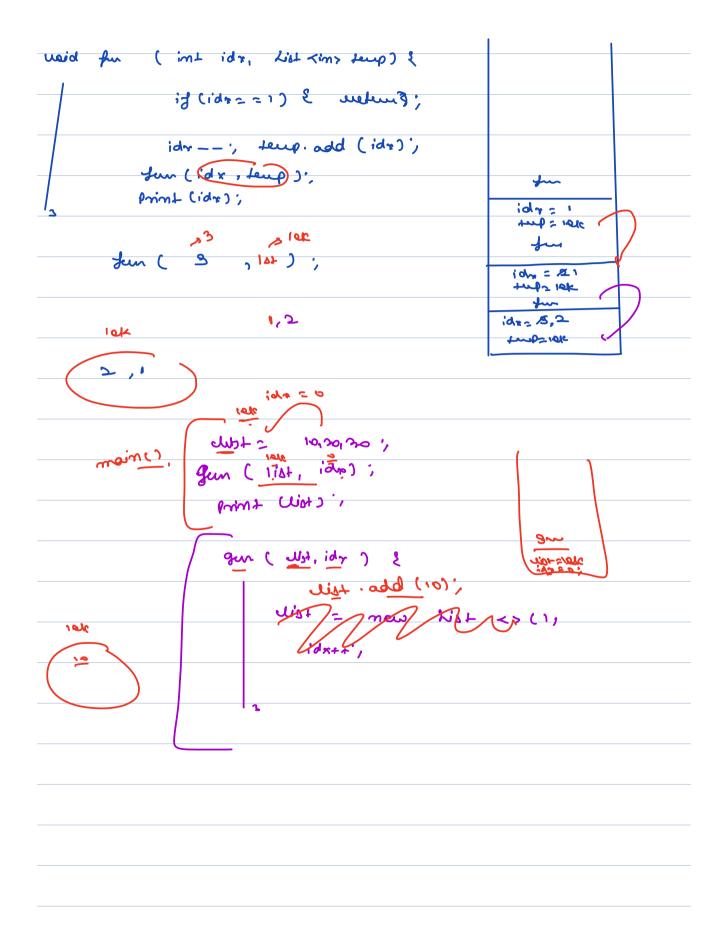


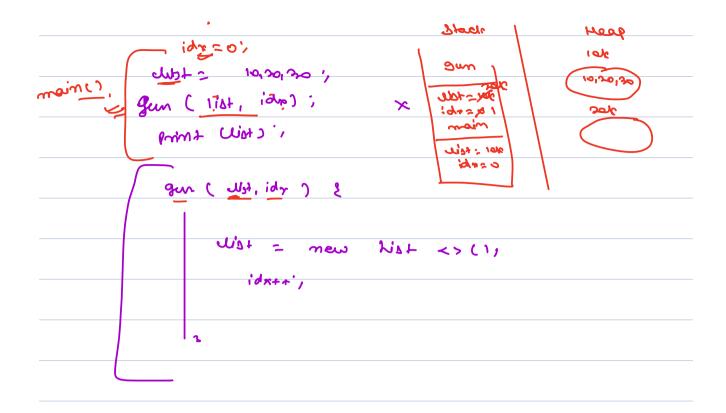


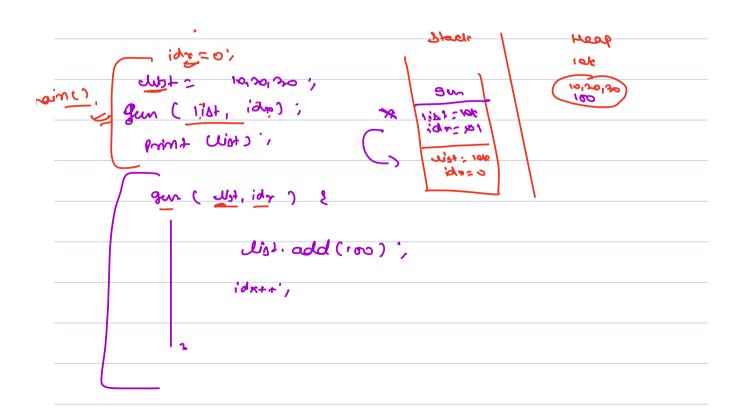
obs > 1) Every even ; dr elem- is some on

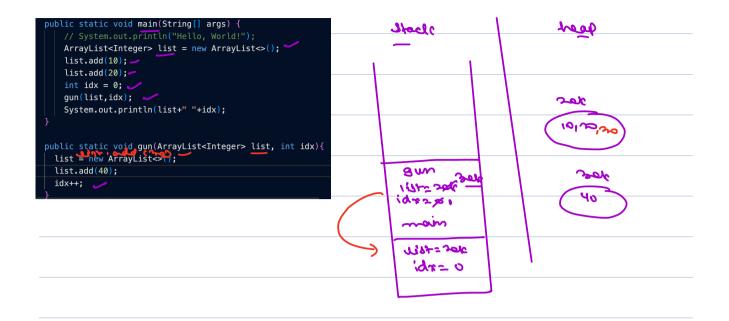
2) Every odd idr eleve is opp gib
pour.
3) Pout idx = My idx
2
<u> </u>
(m=5, k=6)
(w= 41 k=3)
(n=3, k=1)
j (w=31 k=0)
(n=5, K=7)
i (m=4, K=3)
, No /
<u> </u>
! (m=3, K=1)
/ \'
j (w=5, k=0)











m= s frint (n--);

