```
2700
             Tutosial Sheet -1.
(1) int a = 0 , b = 0;
  for(i=0; i(N; i++) a += rand();
 for(j=0; j< M; j++) b+= rand();
  Time complenety = O(N+M);
space comp = O(1)
 int sum = 0, i;
 for (i=0; i<n; i= i+2) 2 sum += i,2
  coop will sur set even to times.
   .. 0 + 2 + 4 - - - 2n.
       2 (n)(n+1) =
      \frac{2(m)(m+1)}{2} = \frac{2(m)(m+1)}{2}
O(n)(2) = O(n) = \frac{2(m)(m+1)}{2}
  int sum = 0, i;
    for (i=0; i<n; i=i*2) { sum += i}
    Time conflexity = O(n), O(logn) m)
   int sum = 0; i
for (i=0; ixi < n; i++)
      O(logn) Ans.
 int j = 1 , i = 0;
while (ic=n)?...
  Vardhman
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1		Har.
· (1/2") Aw.	ont	0 (65)
T(m) = 3,	0(m) = (21m) 00m)	and duvident By 1 Levery that
D XI = IV	2 71 (0.70)	3
77(2)	Q=1 b=1 4=0	
N CONTRACTOR	(4) T(m) = 2T(m) 1) + 1	1773141
T(m) = 35 T(m-K)	0 (pla) m	:. Tune complement = It is tought
X		The state of the s
T(m-1) = 3(31(m-2)	6 (m 12 6 6 9)	of Pacinima fund in of
3	a - bx	
1 (0) 1	a=1 b= 2 K. o p. o T(0) = 1	4 0(n) -tm.
(A) +(A) = 3+(A-1)	(S) T(X) = T(X) 1+1	
T(m) = T(m-k) + kn - (k-1)(k)	T(m) = T(m-K)	T(3) - T(3) - T(3)
45 1 6	T(3) = T(3-4) + 23 1 m	T(m) - 7(m-2) + 2 T(1) = 1
7 1 2	T(n) - T(n-1) + 27 - 2	
	丁(四-1) = 丁(四-2) + (四-1)	T(m-1) = T(m-2) + 1
	(D) T(M) " T(M-1) + M	
O(m) Any.	- O(m) A	
	T(n,1 = T(n-K) + K:	
	6	barnetan .
	T(n) = T(n-2) + t	recursion (m-1)
-	.0,	if (m == 1) return; - TCI)
		DATE CHILLIAN DATE CHILLIAN DATE



