m clut Tarays. sort (arr) 9506L (CM, N, Size of (IN), (MP); int comp ( const void \*a, rong void \*b)

refrom \*(int\*)a - \*(int\*)b; Hercall. Part ( crail Lolleving reverse Order (1); a scending order.

-) 6-a - descendy order. wherious reversebolls

D= {5,4,3,1] -1153x

DP

(1) Problem Should be able to be divided
(1) Problem Should be able to be divided
into smaller 146-optimal problems.

(2) Sur-optimal problem should be repeating svertapping.

principle > Memo: Zarion.

Divide & Congress fib(n) = fib(n-1) + fib(n-2) tib (5) A16 (3) (tib(2) + 416(3) + (this) Thus + Thuo th(0)

Re{ 0,1, 2,314,5,6,7} 2 D= {5,4,3,1] D= { 0, 1, 3, 4,5} 3 1+ ar [1,5-3] 1+am [i, 2] b 6-5=1 1 +am [:, R[3]-D[i]) ([i](i)no ( cor [i] in ) nin 7-463 6-462 (= 1 + 2 = 3