

: Adjacency List:-

2 4 6 8 4 6 8 4 6 8 4 6 8 8 4 6 8 8 4 6 8 8 4 6 8 8 8 4 6 8 8 8 8
:.@n=2 Starting with depth limit = 2 & stop then apply back tracks Starting with depth limit = 2 & starting from 2) 3 Starting from 0:- Starting from 1:- Starting from 2) 3,8,34
4,0747)49 5 67 61 60 76,70 2 2 2 2 3 3 2 2 3 3 2 2 2 2 2 2 2 2 2
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(e) n=3 for example: Starting from 1:- 7 Starting from 2:-Sterling from 0: 167 11617160 040 043 049 067 061 060 Sterting from 4 Starting from 3:-] 404, 4061 381, 383 those was previously 340, 347,349 Compared when removers depth = 1 @ Cur 40=6 Pair of let New II amount de al DP JI 1918 depot allé also del combination, Il sue go value 113 # levo ellé allo (Carrer) a sties Las Now let write the Algorithm Qn=4 Note the Coming Algorithm is fust make: Starting Ruma 0404 0406 work algorithm with out applying the P 0438/0434

Algorithm: Knight-Dialar- PR- Eduction (inta, inta) int node); 1. graph = build_initial-Graph (); like ext discuss it has 2 int res = Knight-Prales PP Solution & intres = 0 3. For 1=0 to a: 1. res += Knight- DINW-DP-Elntion (n, n-1, 1) of med B. retwo res of mod; 2. Vector (vector ant >> build-inited_ Graph () { 901: E4,67, E13: [6,8] - the same Craph we disasses. vetra Gi 3.

Vinight- Preter- DP (mtd, int node#): 1. if (d==0) 1. return 1 3 for each no: Show ber G [node#] 1. res += Knight_Drdv_DP (d-1, nedghbar) 7. mod 9. return res. of mod APPly memolzation map c. Pair cint, int, int, int? mp. Kn-PP (d, node): it = pnp. find(Ed, node)) return it -se Cond if (it) mp[id, node]) = res 1. mod return me { {d, node } } s Memo 18as Ton (FICCEPTE)
FIRST Time
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