Use case: 1 Expline the rejuried 2,420 get a cord some 30 Petron problem Description! Image a cool gone where each payors receives a had of cords, with values, the dijectie is to find. He best way to matimiste the score has a players assuing the playors take trans drawing cooks. each playor can Either Pick the Boot as bet cood from the sendring pile pan: we can slave this problem using agranic poogsacing by calculating the optical scope homeon possible snoons, buting into account the best choice Box both players. steps:-1. Defer . He bone: - represent the fite of coods as a lost of integers. 2- recording stockers: - A hincker will some was aly determine the best score a players can achieve. 3. pyranic pagazening: - stoop intermediate result to anoth orecalling Hom. u. Rose. coes: - when only one could "s left, the current dayers. balos ?1 bacdson; det and ropknal stonategy (coods): n= len (coods) # coverde a monorcitation habte to score sub posson rosats. do: (10) + noon pin . some (n) # Fin the Robe has supportalisms of increasing stass Bes page 30 south (1'UH); 1021 50 2008 (1 - 15 dept +1);

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J= 1+ logth -1
 # Ri city are cood 38 left the plagers tales? it if
    de CICIJ = coode CIZ
 # choose. the book of two chaices:
 HTake the left cood and the apparent place ophinally
 on the tremaining (3+13)
 makimon possible score
# exomple case
 coods: [3,911,2]
 bost Cireast books objust 20008: , girl - objust
 slockegy (coods)
 Exp baken:
- so howing brodsoning rappedo): - each con
decilas sebesares the getterens in score region
 the first Hops and the opposent if the game is
 placed between coods from indep ? to indep?.
27 w choices: from each mare, the player can Eller
 1. Fich the left most and coods (3) leaving
the appoint to play optimally on the someting cooks
rico choice: - how each more, the player con
eithon,
" pick the left most coods. C.J., laing the
apparent to play optimally on the sensiting coods
2 pick the sight coods (3), leaving the opposent
- Recursive Relation! The value of each sub
beiggingly a regulator si mappined of the acons
difference before the covert player and the
opporate.
Escripte walth though!
consider the away of cody: (3,9,1,2)
+ Pash plagers (you) con, chouse between
 Draking the left most cond (3)
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2) learing the coods (9,1,2) =) Taking the Pight most cood (2) leaving the coods (3A,1) 2. The opporent well than take theirse han, playing opknally. to minimize the Rost plagers score TRIS program computed the best possible automes for the Bost does. Bast playe's opkned scare: 5 obbut, stud storapson; -By using . Of rouse programming, we ever that the solution? Is computed efficiently, and they seem who the collections this opposite ensures. both places. Play apknowly and the Roset dages gets the highest Score possible gives the appointeds best mae. VELTECH EX No. PERFORMANCE (5) RESULT AND ANALYSIS (5) VIVA VOCE (5) RECORD (5) TOTAL (20) SIGN WITH DATE