La Dynammic Programming.

La State - vors

La Decision - vors

La Objection - vors attended a dynamic of their other revouss. - Objective - Marginize value Mondred => The complication is we need to evaluated all the decision-variables for all combination of STATE - VARIABLES => Decision variables + State variables ore interdependent for majority of times . For the day till T Pays

5 For ith piece of cake.

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5 Fralicate for all choices. Mass = Take statistic of all those value. value.

V(s, t) = max & Profit across all choices + Because our stop ocitorion is at (T+1)th day

KNAPSACK in a looping mannoe. => 0/1 -> Choice (दी ही है) states sommbor of elements deft in the choice loag knapsack left. - Objective -> Masainige value (Reward) => Stop-criterion => If Wtof knapsock;

(0 or If elements in choice)

beg = 0. => Procedure Flow:
For all combination of states Maximize en choices Reward

Over choices. 2) Choices + Reword In follows a dynamic behaviour Revard at a particular state - wt = wi and element checked = #j Is depends on the precious

K= [Co for or in range (ut + 17] for a in range (12+1) K = np. geros (shape = (n+1, w++1)) used for eaching. for i in range (n+1) Start i=0 i=0,j=0 > stop criterion pivot li=0 or j=0. proc (0,0) -> store in. K (0,0)

proc (0,1) L. proc(1,1) → will use provide values of proc Beleiving that a distribution if the state never changes why the value at ith ith 10th will always remain the same.

-- Determination of STOP criteria Stille They be admit to Value of Value of Reward ceiterion junction IS important. Then we can baild a top-down or Bottom- up approach for all combination of state variables. Cache them and use it for fature analysis. 1000 (0.0) some to sould to the things to to de principal HAM STER TO SULOW SHE WAS MIL Amons reemony