## 가장 긴 증가하는 보片吗, LIS ( congest Increasing Subsequence)

A={10,20,10,30,40,503 \* 발수영 전대길이 엉덩 Un 연호비 DP[B.length+1] A DD Hazzar JEROK 4 3

· मार्द्धत का केल्याः=1 50 30 40 [0 A 20 0) DP[0]=1 4 4 DE 1 200 101 217 2 DP SH 18511 0 0

ACIJ > ACO] && DP[1] <= DP[0] DPC0=1 10 true DPC1= DPC0]+

A[2] 7 A[0] 86 DP[2] (= DP[0] DP[2] > ( 20

A[2]>A[]& DP[2] <2 DP[] 2 1

FASE SOM NEST OPEN SEE DEL DON HUVE

A[3]>A[0] LD DP[3] = DP[0]

Hue DP[3] = DP[0] + ( = 2 3 0 DP[3]=1

AC377 ACIJA & DPC37 <= DPCIJA 3 \

14E DP[3] = DPE]+1 A[3] > A[2] & DP[3] < DP[2] 3 2

TERM DP[3] YCH DIDLONG PASS false

A[A] > A[O] Q& OP[A] <= OP[O] 4 0 DP[4]=1

true OP[4] = DP[0]+(=]

A[4]>X[] 22 DP[4] <= OP[] the DP[c]: DP[]+(= 2

41

4 4

A[4] > A[2] & UY [4] (= DY [2] A[4] > A[3] DD DP[A] (= DP[3] Hrue DP[4] = DP[3] + 1 = 4

## (P) Hus 的是如 好知 如果 新田野到外? NO

HEAN) A= {1,4,5,23 A [1452] DP [1232]

tacyper) int max = 0; for (Int num; DP); max= Math, max (max, num);