leetcode 72

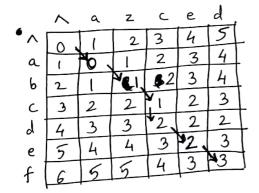
Minimum Edit Distance:

Operations: insert/delete/replace

word 1 to word 2

- v) horse to 205 ofp: 3 h → v; vx; ex replace del del
- 2) a bcdef to azced b -> z,dx,f->d replace del replace

	$\wedge$	8	0	S	
$\wedge$	0	Ī	2	3	_
h	1	١	2	3	_
0	2	2	1	2	-
7	3	2	2	2	
s	4	3	3	2_	
و	5	4	4	3	Ţ



structure to solve:

word?

word?

Rewence feletion:

tab(i,j) = \int tab(i-1,j-1); if \wordsign(i) == \widensign(2j)

tab(i,j-1)

tab(i-1,j-1)

tab(i,j-1)

• row 0 & col 0 are base cases.

where value equals to character count.

starting at 0 going to len(word) as respectively.

if both letter we looking at are some or no extra work regot in fetch diagonal value because srci == desj

(et's understand the other condition in recurrence +1 would be for current colit (but which one) depends on what minimum chooses.

Say nuch chooses tab(i-1,j-1) => replace src; by desj

if min chooses tab(i,j-1)=1 insertion of desj

if much chooses tab(i,j-1)=1 deletton of srci

Back tracking: 5012 building value value value value value nothing was above, go those otherwise + min (...,...)

Value came from left:

value came from left:

desj was inserted

value came from top:

del 509

value came from diag:

value carre from diag: replace soc; todes

easy & Intritive once idea is clear Ilhandle base cases //2000 & col D

for it to whilen

for jet town by

if some

tab(i,j)

class

tob(izj)

+ febli-l

1+mintol(inj)

+ febli-l

1+mintol(inj)