![Graphical user interface, text, application, email

Description automatically generated]()

![Graphical user interface, text, application, email

Description automatically generated]()

Code: this is top down approach

![Text

Description automatically generated]()

Text

Description automatically generated

Logic explanation ahead.

With code logic will be explained.

![Text

Description automatically generated]()

Now why this happens:

Consider 5678 and 2345678. now m at -1 index of 5678 meaning (here pointer) 5678.so m is -1. here 234(here pointer)5678 n is. here n is at 4 meaning n value is 2.so we know 5678 is over and the only option for us to make 5678 to 2345678 is to insert element that are missing.so n+1 that is 3 elements will be added to make to 5678 to make sure it convert to 2345678 as 234 is missing in 5678.see from pointer perspective.

Similar logic when n is at -1.here s is 2345678 and t is 5678.here (pointer)5678 means n is -1 and m is at 234(here)5678 means m is at 4 hence the only option is to remove hence remove m index is 2 remove 2+1 and hence return m+1.

![Graphical user interface, text

Description automatically generated]()

See here dp[m][n] tell us the min steps needed from start to m and start to n needed to make them same.

![Text

Description automatically generated]()

Now why this.

Consider s is geek and t is gesek.here m is at ge(here)ek and n is at ges(here)ek.m is at index 1 and n at 2.so here we can perform three operation insert, remove and replace.

Here a is replace operation as we replace e of geek with s and go to next element.

![Text

Description automatically generated]() now m and at g and e.

B is for insert

A picture containing text, device, meter, gauge

Description automatically generated

Conside insert next to index 1 s hence m remain at same place but n -1.

C is remove.

![Graphical user interface, text

Description automatically generated]()

Consider this was s and t at beginning. Here consider we need to remove h so just m-1.

![Diagram

Description automatically generated]()

![Text

Description automatically generated]()