

The Minimum Edit Distance

Ref. Word ***j***

| | Null | D | R | E | A | M |
|------|------|---|---|---|---|---|
| Null | 0 | 1 | 2 | 3 | 4 | 5 |
| D | 1 | | | | | |
| R | 2 | | | | | |
| R | 3 | | | | | |
| E | 4 | | | | | |
| U | 5 | | | | | |
| M | 6 | | | | | |
| | | | | | | |

Insert = 1
 Change = 1
 Delete = 1

If($r==c$)
 $d(i, j) = d((i-1), (j-1))$

Else if($r!=c$)
 $d(i, j) = \min\{d((i-1), (j)), d((i-1), (j-1)), d((i), (j-1))\}$

***T
e
s
t***

***W
o
r
d***

i