









i = длина $S1$
 j = длина $S2$

$\min(i, j) == 0$

Да

Вернуть $\max(i, j)$

Сформировать key

$\text{dict}[\text{key}]$

Да

Вернуть $\text{dict}[\text{key}]$

$S1[i-1] == S2[j-1]$

Да

$\text{dif} = 1$

$\text{dif} = 0$

$\text{dict}[\text{key}] = \min(\text{DL}(S1[1..i-1], S2[1..j-1]) + \text{dif}, \text{DL}(S1[1..i-1], S2[1..j]) + 1, \text{DL}(S1[1..i], S2[1..j-1]) + 1)$

A

A

$i > 1, j > 1$
 $S1[i-2] == S2[j-1]$
 $S1[i-1] == S2[j-2]$

Да

$\text{dict}[\text{key}] = \min(\text{dict}[\text{key}], \text{DL}(S1[1..i-2], S2[1..j-2]) + 1)$

Вернуть $\text{dict}[\text{key}]$

B

Конеч