**public** **static** **int** lcs(**int** index1, **int** index2) {

**if** (index1 == s1.length() || index2 == s2.length())

**return** 0;

**char** ch1 = s1.charAt(index1);

**char** ch2 = s2.charAt(index2);

**if** (ch1 == ch2)

**return** lcs(index1 + 1, index2 + 1);

**else** {

**int** r1 = lcs(index1 + 1, index2);

**int** r2 = lcs(index1, index2 + 1);

**return** r1 > r2 ? r1 : r2;

}

}

// call function

lcs(0, 0);