

```
//Longest common subsequence
//Наибольшая общая подпоследовательность
$source = 'PHP';
$ddest = 'new1PHP2test';
//$source = 'preiteri';
//$ddest = 'zeitgeist';
echo distance($source, $ddest) . "n";
echo levenshtein($source, $ddest) . "n"; // built-in PHP function
echo lev($source, $ddest);
?>
```

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longest common subsequence problem
function print_lgc($dist,$source,$dest)

    list($slen, $dlen) = [strlen($source), strlen($dest)];
    $i = $slen;
    $j = $dlen;

    $nakopitel=[];
    $n=0;

    while($i > 0 || $j > 0)
    {
        if($dist[$i][$j] == $dist[$i-1][$j] + 1)
        {
            $i = $i - 1;
            $del[] = $j;
        }
        else if($dist[$i][$j] == $dist[$i][$j-1] + 1)
        {
            $j = $j - 1;
            $ins[] = $j;
        }
        else
        {
            //echo '('. $i .', ' . $j .')';
            $nakopitel[$n][]=$i;
            $nakopitel[$n][]=$j;
            $n++;

            $i = $i - 1;
            $j = $j - 1;
            $sub['Y'][] = $i;
            $sub['Y'][] = $j;
        }
        // $i = $i - 1;
        // $j = $j - 1;
        //echo '('. $i .', ' . $j .')';
    }
    echo "<br>";

    echo '-----<br>';
    echo 'del:<br>';
    echo '<pre>';
    print_r($del);
    echo '</pre>';

    echo '-----<br>';
    echo 'ins:<br>';
    echo '<pre>';
    print_r($ins);
    echo '</pre>';

    echo '-----<br>';
    echo 'sub:<br>';
    echo '<pre>';
    print_r($sub);
    echo '</pre>';

    echo '-----<br>';
    echo 'nakopitel:<br>';
    echo '<pre>';
    print_r($nakopitel);
    echo '</pre>';

    for($k=count($nakopitel)-2;$k>=0;$k--)
    {
        echo $source[$nakopitel[$k][0]-1];
    }
    echo "<br>";
    for($k=count($nakopitel)-2;$k>=0;$k--)
    {
        echo $dest[$nakopitel[$k][1]-1];
    }
    echo "<br>";
    // $source, $dest
}

```

[illegible]

```
{
    echo '<br>';
    for ($i = 0; $i <= $x; $i++)
    {
        for ($j = 0; $j <= $y; $j++)
        {
            echo $arr[$i][$j].',';
        }
        echo '<br>';
    }
    echo '<br>';
}

function mymin($a,$b,$c,&$result)
{
    if($a<=$b && $a<=$c)
    {
        $result=1;
        return $a;
    }
    elseif($b<=$a && $b<=$c)
    {
        $result=2;
        return $b;
    }
    elseif($c<=$a && $c<=$b)
    {
        $result=3;
        return $c;
    }
}
```

```

function distance(Sources, Sink) {
    if (Sources == Sink) {
        return 0;
    }

    let(Sinks, Sink) = Jitter(Sources), where(Sinks)

    if (Sink == 0) Sink = 0;
    return Sink ? Sink : Sink;
}

Sink = range(5);
Sink[0] = 0; Sink[1] = 1; Sink[2] = 2; Sink[3] = 4; Sink[4] = 5; Sink[5] = 6; Sink[6] = 7; Sink[7] = 8; Sink[8] = 9; Sink[9] = 10; Sink[10] = 11; Sink[11] = 12; Sink[12] = 13; Sink[13] = 14; Sink[14] = 15; Sink[15] = 16; Sink[16] = 17; Sink[17] = 18; Sink[18] = 19; Sink[19] = 20; Sink[20] = 21; Sink[21] = 22; Sink[22] = 23; Sink[23] = 24; Sink[24] = 25; Sink[25] = 26; Sink[26] = 27; Sink[27] = 28; Sink[28] = 29; Sink[29] = 30; Sink[30] = 31; Sink[31] = 32; Sink[32] = 33; Sink[33] = 34; Sink[34] = 35; Sink[35] = 36; Sink[36] = 37; Sink[37] = 38; Sink[38] = 39; Sink[39] = 40; Sink[40] = 41; Sink[41] = 42; Sink[42] = 43; Sink[43] = 44; Sink[44] = 45; Sink[45] = 46; Sink[46] = 47; Sink[47] = 48; Sink[48] = 49; Sink[49] = 50; Sink[50] = 51; Sink[51] = 52; Sink[52] = 53; Sink[53] = 54; Sink[54] = 55; Sink[55] = 56; Sink[56] = 57; Sink[57] = 58; Sink[58] = 59; Sink[59] = 60; Sink[60] = 61; Sink[61] = 62; Sink[62] = 63; Sink[63] = 64; Sink[64] = 65; Sink[65] = 66; Sink[66] = 67; Sink[67] = 68; 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