x : actgagttaa / y : acagaagta

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 서열 | X |  |  | a |  | c |  | t |  | g |  | a |  | g |  | t |  | t |  | a |  | a |
| y | Index | 0 |  | 1 |  | 2 |  | 3 |  | 4 |  | 5 |  | 6 |  | 7 |  | 8 |  | 9 |  | 10 |
|  | 0 | 0 | -2 | -2 | -4 | -4 | -6 | -6 | -8 | -8 | -10 | -10 | -12 | -12 | -14 | -14 | -16 | -16 | -18 | -18 | -20 | -20 |
|  |  | -2 | 1 | -4 | -3 | -6 | -5 | -8 | -7 | -10 | -7 | -12 | -11 | -14 | -13 | -16 | -15 | -18 | -15 | -20 | -17 | -22 |
| a | 1 | -2 | -4 | 1 | -1 | -1 | -3 | -3 | -5 | -5 | -7 | -7 | -9 | -9 | -11 | -11 | -13 | -13 | -15 | -15 | -17 | -17 |
|  |  | -4 | -3 | -1 | 2 | -3 | -2 | -5 | -4 | -7 | -6 | -9 | -9 | -11 | -10 | -13 | -12 | -15 | -14 | -17 | -16 | -19 |
| c | 2 | -4 | -6 | -1 | -3 | 2 | 0 | 0 | -2 | -2 | -4 | -4 | -6 | -6 | -8 | -8 | -10 | -10 | -12 | -12 | -14 | -14 |
|  |  | -6 | -3 | -3 | -2 | 0 | 1 | -2 | -1 | -4 | -1 | -6 | -5 | -8 | -7 | -10 | -9 | -12 | -9 | -14 | -11 | -16 |
| a | 3 | -6 | -8 | -3 | -5 | 0 | -2 | 1 | -1 | -1 | -3 | -1 | -3 | -3 | -5 | -5 | -7 | -7 | -9 | -9 | -11 | -11 |
|  |  | -8 | -7 | -5 | -4 | -2 | -1 | -1 | 2 | -3 | -2 | -3 | 0 | -5 | -4 | -7 | -6 | -9 | -8 | -11 | -10 | -13 |
| g | 4 | -8 | -10 | -5 | -7 | -2 | -4 | -1 | -3 | 2 | 0 | 0 | -2 | 0 | -2 | -2 | -4 | -4 | -6 | -6 | -8 | -8 |
|  |  | -10 | -7 | -7 | -6 | -4 | -3 | -3 | -2 | 0 | 3 | -2 | -1 | -2 | -1 | -4 | -3 | -6 | -3 | -8 | -5 | -10 |
| a | 5 | -10 | -12 | -7 | -9 | -4 | -6 | -3 | -5 | 0 | -2 | 3 | 1 | 1 | -1 | -1 | -3 | -3 | -5 | -3 | -5 | -5 |
|  |  | -12 | -9 | -9 | -8 | -6 | -5 | -5 | -4 | -2 | 1 | 1 | 2 | -1 | 0 | -3 | -2 | -5 | -2 | -5 | -2 | -7 |
| a | 6 | -12 | -14 | -9 | -11 | -6 | -8 | -5 | -7 | -2 | -4 | 1 | -1 | 2 | 0 | 0 | -2 | -2 | -4 | -2 | -4 | -2 |
|  |  | -14 | -13 | -11 | -10 | -8 | -7 | -7 | -4 | -4 | -3 | -1 | 2 | 0 | 1 | -2 | -1 | -4 | -3 | -4 | -3 | -4 |
| g | 7 | -14 | -16 | -11 | -13 | -8 | -10 | -7 | -9 | -4 | -6 | -1 | -3 | 2 | 0 | 1 | -1 | -1 | -3 | -3 | -5 | -3 |
|  |  | -16 | -15 | -13 | -12 | -10 | -7 | -9 | -8 | -6 | -5 | -3 | -2 | 0 | 3 | -1 | 2 | -3 | -2 | -5 | -4 | -5 |
| t | 8 | -16 | -18 | -13 | -15 | -10 | -12 | -7 | -9 | -6 | -8 | -3 | -5 | 0 | -2 | 3 | 1 | 2 | 0 | 0 | -2 | -2 |
|  |  | -18 | -15 | -15 | -14 | -12 | -11 | -9 | -8 | -8 | -5 | -5 | -4 | -2 | -1 | 1 | 2 | 0 | 3 | -2 | 1 | -4 |
| a | 9 | -18 | -20 | -15 | -17 | -12 | -14 | -9 | -11 | -8 | -10 | -5 | -7 | -2 | -4 | 1 | -1 | 2 | 0 | 3 | 1 | 1 |

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| 경로 1 | a | c | t | g | a | g | t | t | a | a | 점수 : 1 |
| (윗쪽) | a | c | a | g | a | a | g | t | - | a |  |
| 경로 2 | a | c | t | g | a | g | t | t | a | a | 점수 : 1 |
| (아랫쪽) | a | c | a | g | a | a | g | t | a | - |  |