1. Affine gap simple alignment

This alignment is explained in the video completing_alignment_matrix.mp4

Use affine gap cost Gap open: -12 Gap extension: -4 Substitution matrix

```
Cys C
Ser S
      0
          2
     -2
          1
             3
Thr T
         1
Pro P
     -3
             0
                 6
     -2
         1
             1
                1
                     2
Ala A
         1
Gly G
     -3
             0
                -1
                    1
                        5
     -4
         1
             0
                -1
                    0
                        0
                            2
Asn N
                       1
Asp D -5
         0 0
                -1
                    0
                            2
                               4
                       0
Glu E -5
         0 0
                -1
                    0
                            1
                               3
                                   4
         -1 -1 0
                   0
                       -1
                           1
                               2
                                   2
                                       4
Gln Q -5
         -1 -1 0
                       -2
                           2
                               1
                                       3
                                          6
His H -3
                   -1
                                   1
                0
Arg R -4
         0 -1
                   -2
                       -3
                           0
                               -1
                                   -1
                                       1
                                          2
                                              В
         0 0
Lys K
     -5
                -1
                   -1
                       -2
                              0
                                   0
                                      1
                                          0
                                              3
Met M -5
         -2 -1
                -2
                       -3
                                  -2 -1
                   -1
                           -2
                               -3
                                          -2
                                              0
                                                 0
Ile I
    -2 -1 0
                -2
                   -1
                       -3
                           -2
                              -2
                                  -2 -2
                                          -2
                                             -2
                                                 -2
    -8 -3 -2
                                  -3 -2
                                             -3
Leu L
                -3 -2
                       -4
                           -3
                              -4
                                          -2
                                                 -3
                                                     4
                                                             8
                                  -2 -2
                                             -2
     -2 -1 0
                -1 0
                       -1
                           -2
                               -2
                                          -2
                                                 -2
Val V
                                                                4
Phe F -4 -3 -3
                -5
                   -4
                       -5
                              -6
                                  -5 -5
                                          -2
                                             -4
                                                 -5
                                                            2
                                                                -1
                                                                    9
                           -4
                                                     0
        -3 -3
                -5
                    -3
                       -5
                               -4
                                  -4 -4
                                             -4
                                                 -4
                                                                -2
                                                                    7
Tyr Y
     0
                           -2
                                          0
                                                     -2
                                                        -1
                                                            -1
                                                                       10
     -8
         -2 -5
                       -7
                               -7
                                  -7
                                      -5
                                          -3
                                             2
                                                 -3
                                                                    0
                                                                           17
                -6
                   -6
                           -4
                                                    -4
                                                        -5
                                                            -2
                                                               -6
                                                                       0
Trp W
      C
         S
            T
                       G
                               D
                                  E
                                      0
                                          Н
                                                                V
                 P
                    A
                           N
                                              R
                                                 K
                                                     M
                                                            L
                                                                    F
                                                                           W
                                                                       Y
     Cys Ser Thr Pro Ala Gly Asn Asp Glu Gln His Arg Lys Met
                                                       Ile Leu Val Phe Tyr Trp
```

GAP	L	S	R	
L				
S				
R				