Jacek Radajewski (43612772) SCIE2100 Prac 3 14/04/2014

Question 1

```
def alignGlobal(seqA, seqB, substMatrix, gap=-1):

...

# starting at the bottom right hand corner of the matrix trace back to the origin 0.0
while 1 > 0 and j > 0:
    if S[i, j] = S[i - 1, j] + gap:
        alignA = seqA[i - 1] + alignA
        alignB = "-" + alignB
        i -= 1
    else;
        for here by a gap in sequence A (go left)
        alignB = seqB[j - 1] + alignB
        j -= 1
    # else;
    eta term sequence A (go left)
        alignB = seqB[j - 1] + alignB
        j -= 1
    # fill in the rest of the alignment if it begins with gaps
    # fill in the rest of the alignment if it begins with gaps
    # (i.e., traceback all the way to S[0, 0])
while j > 0:
    # So up
    # alignB = seqB[j - 1] + alignB
    alignB = "-" + alignB
    i == 1
    while j > 0:
    # so left
    # alignB = "-" + alignB
    alignB = "-" + alignB
    i == 1
    alignB = "-" + alignB alignB = seqB[j - 1] + alignB
    i == 1
    alignB = "-" + alignB alignB = seqB[j - 1] + alignB alignB = seqB[j - 1] + alignB
    i == 1
    alignB = "-" + alignB alignB = seqB[j - 1] + alignB al
```