Affine Gap Penalties

- $O(n^3)$ for general gap penalties is usually too slow...

- We can still encourage spaces to group together using a special case of general penalties called *affine gap penalties*:

    gap_start = the cost of starting a gap

    gap_extend = the cost of extending a gap by one more space

- Same idea of using 3 matrices, but now we don't need to search over all gap lengths, we just have to know whether we are starting a new gap or not.