

$$k(s_1, s_2) = w_7 + w_1 + w_2 + w_2 + w_3$$



Figure 4.1: Given two sequences \mathbf{x}_1 and \mathbf{x}_2 of equal length, the kernel consists of a weighted sum to which each match in the sequences makes a contribution w_B depending on its length B , where longer matches contribute more significantly.