# Solution to Wormhole

This problem can be solved by dynamic programming on the substrings of the sequence of dark matters. Let *S*[*i*,*j*] be the maximum energy by binding *i*-th matter to the *j*-th matter, and *dist* be the distance between the two points. Let *s* be the energy obtained by binding the *i*-th and *j*-th matter, where *s* = *dist* if the sum of energy (*e*) of the two matters is equal to *dist*, and *s* = -abs(*dist*-*e*) if *e* is not equal to *dist*.