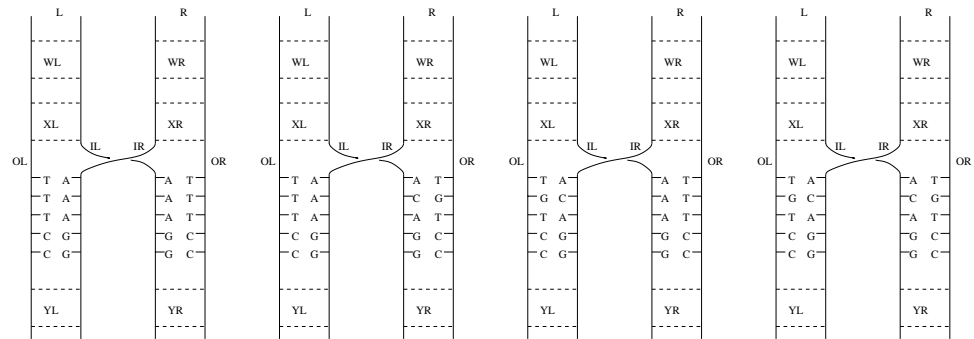




- (b) Now after the crossing the crossed sections will be “repaired” by making the mismatched base pairs match again. This will result in *four* possible pairs of complementary sequences. Give the four versions of the picture in (a) corresponding to these sequences.



- (c) Further, the two attached chromatids will now separate by either cutting at *OL* and *OR* or by cutting at *IL* and *IR*. Draw pictures of the 8 possible (uncrossed) pairings, with the base-pair sequences and the alleles of each gene in their proper place.

