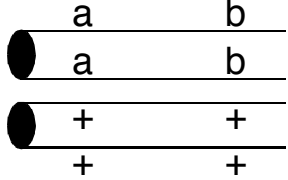
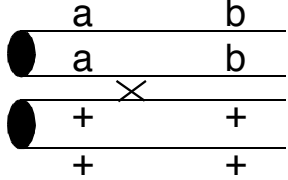
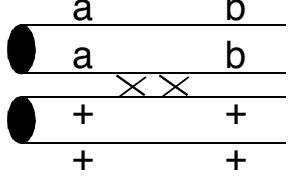
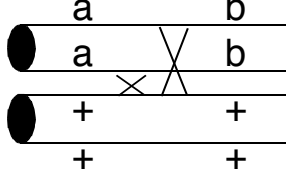
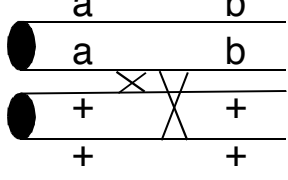
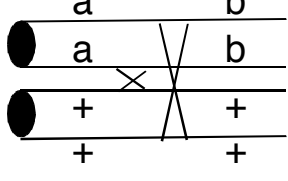


Why can we directly measure no more than 50% recombination?

		nonrecombinant chromosomes	recombinant chromosomes
E ₀ tetrad = nco tetrad	no crossover		<div style="display: flex; justify-content: space-around;"> 4 0 </div>
	maximum recomb freq. from nco tetrads is 0%		
E ₁ tetrad = sco tetrad	single crossover		<div style="display: flex; justify-content: space-around;"> 2 2 </div>
	maximum recomb freq. from sco tetrads is 50%		
E ₂ tetrad = dco tetrad	two-strand dco		<div style="display: flex; justify-content: space-around;"> 4 0 </div>
	3-strand dco		<div style="display: flex; justify-content: space-around;"> 2 2 </div>
	3-strand dco		<div style="display: flex; justify-content: space-around;"> 2 2 </div>
	4-strand dco		<div style="display: flex; justify-content: space-around;"> 0 4 </div>
	<div style="display: flex; justify-content: space-around;"> 8 8 </div>		
maximum recomb freq. from dco tetrads is 50%			