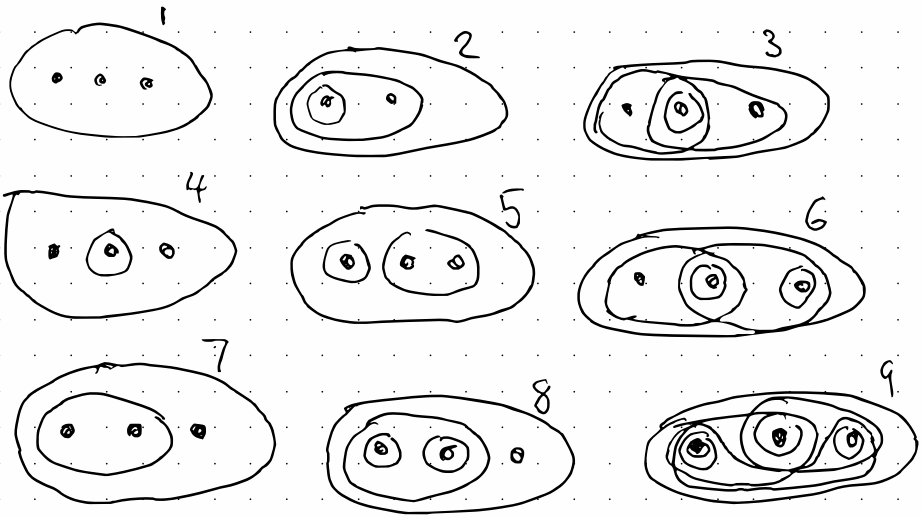
Consider the nine topologies on $X = \{a, b, c\}$ indicated in Example 1 of §12

compare them ~ determine which is comparable and if so which are coarser / finer



1 c all, 7 c 2, 4 c 3, 7 c 3, 3 c 6, 4 c 6
7 c 6, 2 c 8, 4 c 8, 7 c 8, 2 c 9, 3 c 9, 4 c 9, 5 c 9,
6 c 9, 7 c 9, 8 c 9