Split one angle by several lines like X+Y = 1; We may prove the 45° is the best splitting strategy.

α4 + α3 + α2+ α1 -> α3 + α2+ α1 -> α2+ α1 -> α1

splitting alpha area by finding the media of x+y of all instances. Sort x+y by its x+y value. If x+y<median, it is in α2+ α1 If x+y >= median, it is in α4 + α3.

Justify what area should be covered for P: which area is A, B, C located at. By comparing x+y value.