1.

С1050 = 50!/10!(50-10)! = 50!/10!40! = 10272278170

P(4) = C45C645/C10­50

C45 = 5!/4!(5-4)! = 5!/4!1! = 5

C645 = 45!/6!(45-6)! = 45!/6!39! = 8145060

P(4) = 5 \* 8145060/10272278170 = 0.00396