Notes

February 19, 2014

test

chessboard

first part was just $\binom{8}{2}\binom{8}{2}5!$

white square part: think of odd and even columns. we have two different 4x4 boards. So can divide them up into $(1,4),(2,3),(3,2),(4,1)$ so we have $2\cdot\left(\binom{4}{1}\binom{4}{1}4!+\binom{4}{2}\binom{4}{2}2!\binom{4}{3}\binom{4}{3}3!\right)$

2

blah blah

3 dyck paths

picture wrong :-/