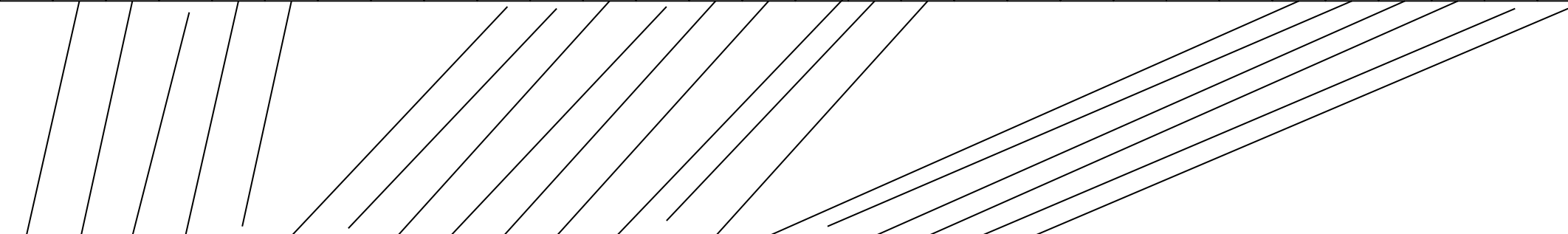


Сколькими способами можно расставить на 32 чёрных полях шахматной доски 12 белых и 12 чёрных шашек?



$$32 \cdot 31 \cdot 30 \cdot 29 \cdot 28 \cdot 27 \cdot 27 \cdot 26 \cdot 24 \cdot 23 \cdot 22 \cdot 21 / 12!$$

1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	1	1
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2	2	0	0	0	2	2	2	2	2	2	2	2	0	0	0	0	2	2	0
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$$20 \cdot 19 \cdot 18 \cdot 17 \cdot 16 \cdot 15 \cdot 14 \cdot 13 \cdot 12 \cdot 11 \cdot 10 \cdot 9 / 12!$$

$$(32 \cdot 31 \cdot 30 \cdot 29 \cdot 28 \cdot 27 \cdot 27 \cdot 26 \cdot 24 \cdot 23 \cdot 22 \cdot 21 / 12!) \cdot (20 \cdot 19 \cdot 18 \cdot 17 \cdot 16 \cdot 15 \cdot 14 \cdot 13 \cdot 12 \cdot 11 \cdot 10 \cdot 9 / 12!)$$