

lets plot all the possible games

Notation R_x : Round x

P_x : Picu x

a_1, a_2, b_1, b_2 : see Problem definition

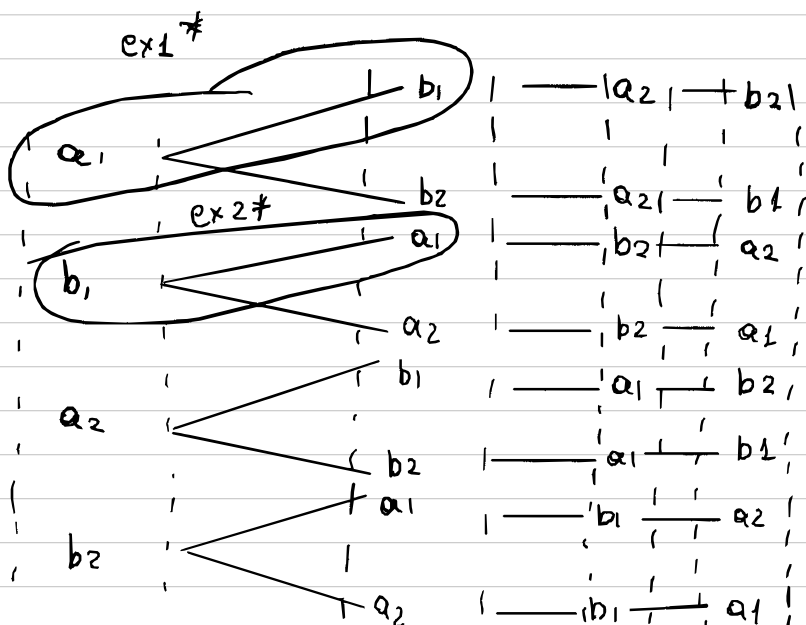
Lets plot the possible games, n is very small so we can do that

R1P1

R1P2

R2P1

R2P2



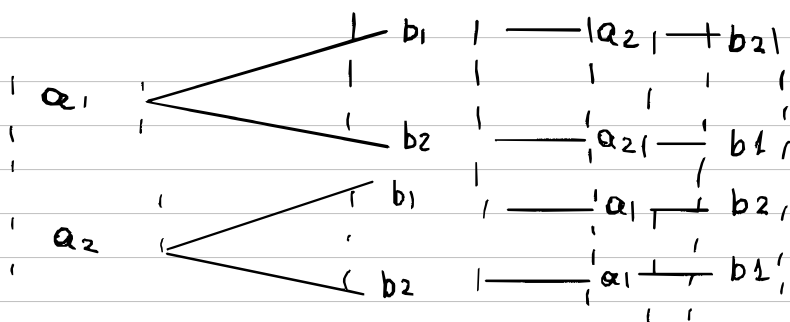
Given that order of pics does not matter (different picu order does not constitute a different game) lets eliminate the games where skuc goes first

R1P1

R1P2

R2P1

R2P2



Game

Conditions for sunner to win

a_1	b_1	a_2	b_2	$a_1 > b_1 \wedge a_2 > b_2$ $a_1 = b_1 \wedge a_2 > b_2$
a_1	b_2	a_2	b_1	$a_1 > b_2 \wedge a_2 > b_1$ $a_1 = b_2 \wedge a_2 > b_1$
a_2	b_1	a_1	b_2	$a_2 > b_1 \wedge a_1 > b_2$ $a_2 = b_1 \wedge a_1 > b_2$
a_2	b_2	a_1	b_1	$a_2 > b_2 \wedge a_1 > b_1$ $a_2 = b_2 \wedge a_1 > b_1$