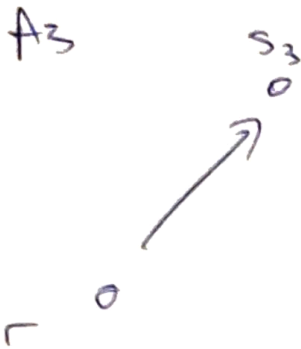


leading to S_3 :

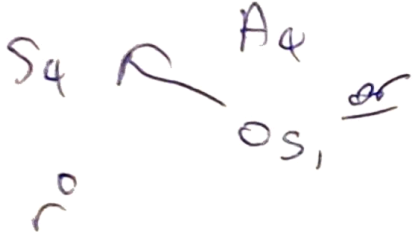


or

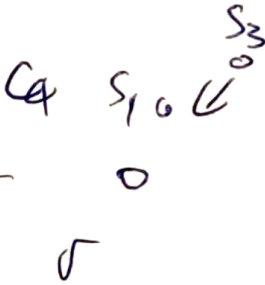


but B_3 cannot happen if A_1 AND A_2 happen
(no connections to \sim), and cycle.

moving to S_4 :



or



So, we get:

$\{A_4, S_3, S_2, S_1, S_4\}$ or $\{A_4, S_2, \dots, S_4\}$ or $\{A_4,$

too many to cut, but not 6Q.