

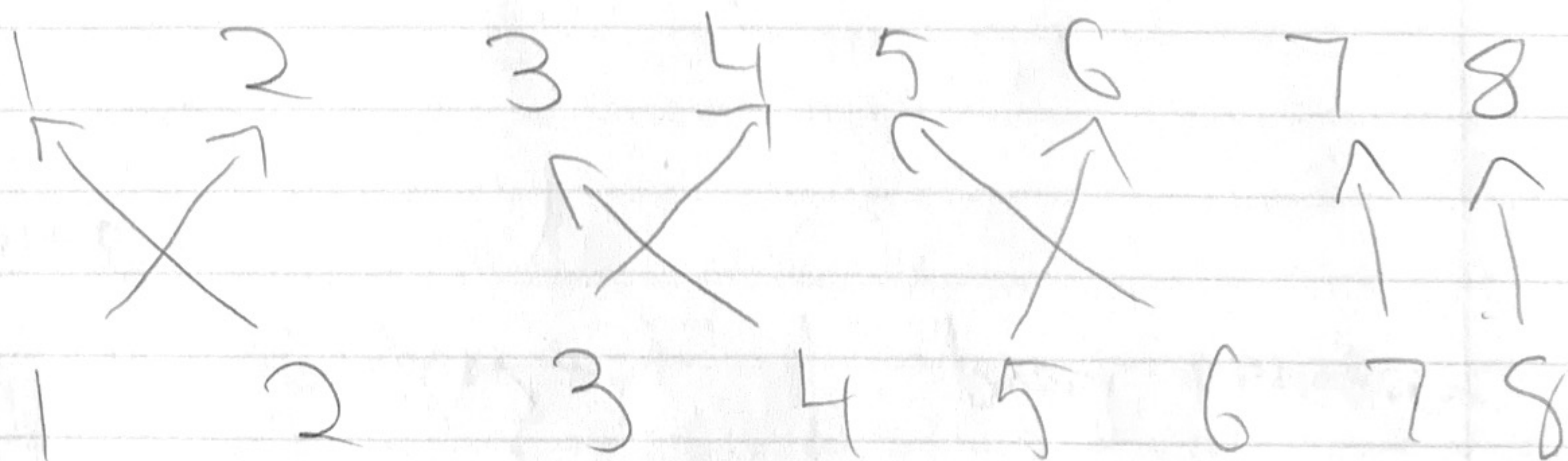
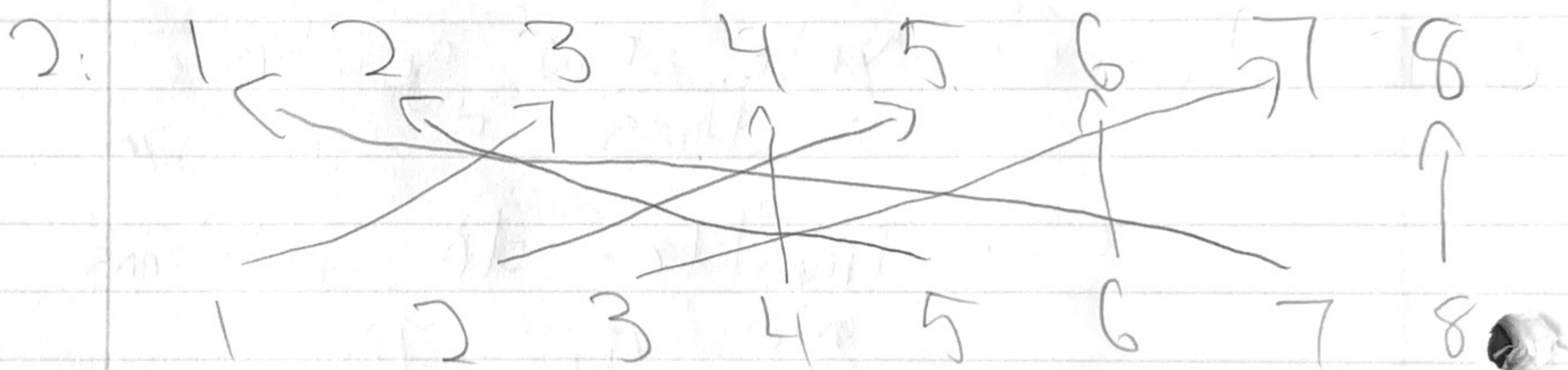
Chris Haydonk

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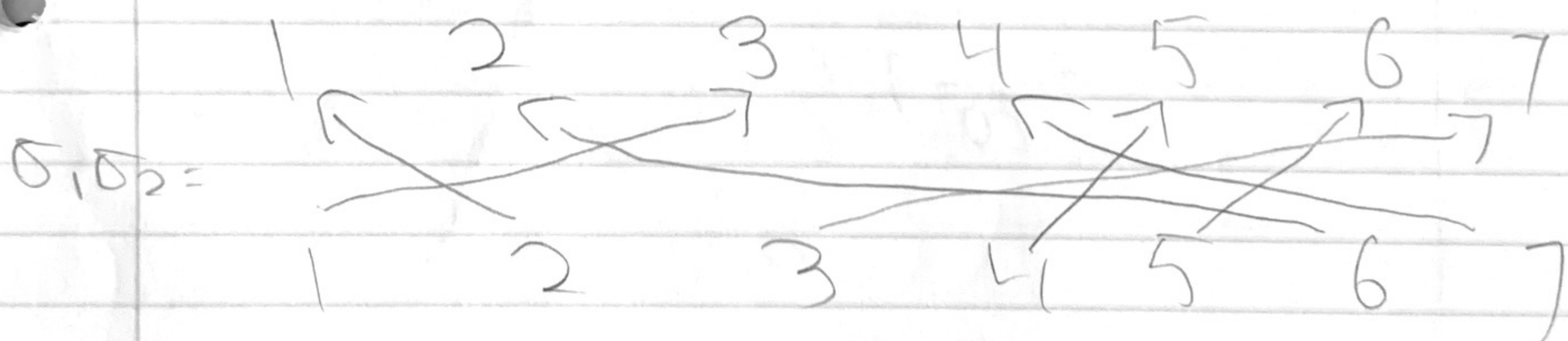
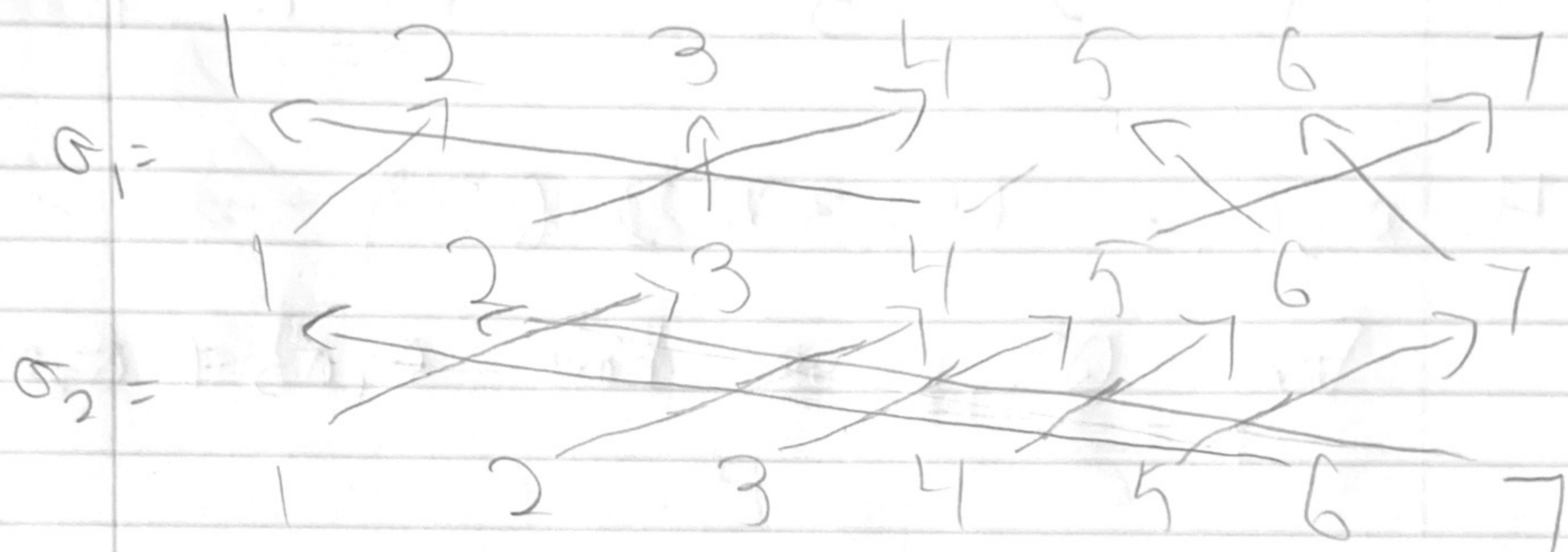
Lecture 3, Exercise A

1. $\sigma_1 = (1\ 2\ 4)(3)(5\ 7\ 6)$

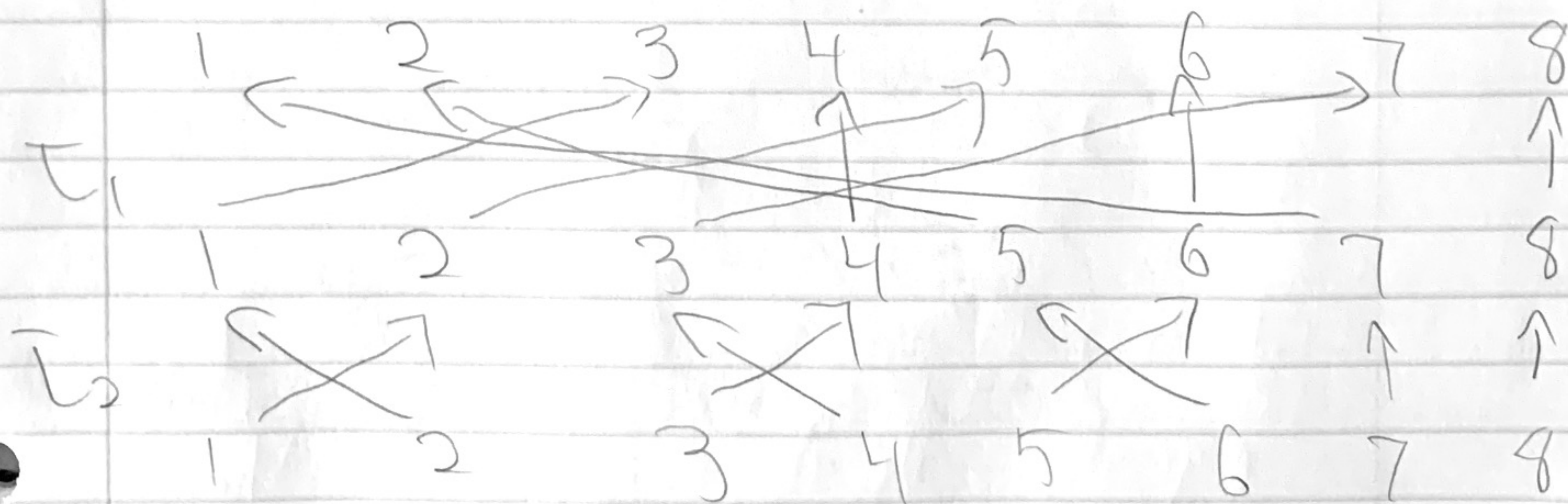
$\sigma_2 = (1\ 3\ 5\ 7\ 2\ 4\ 6)$

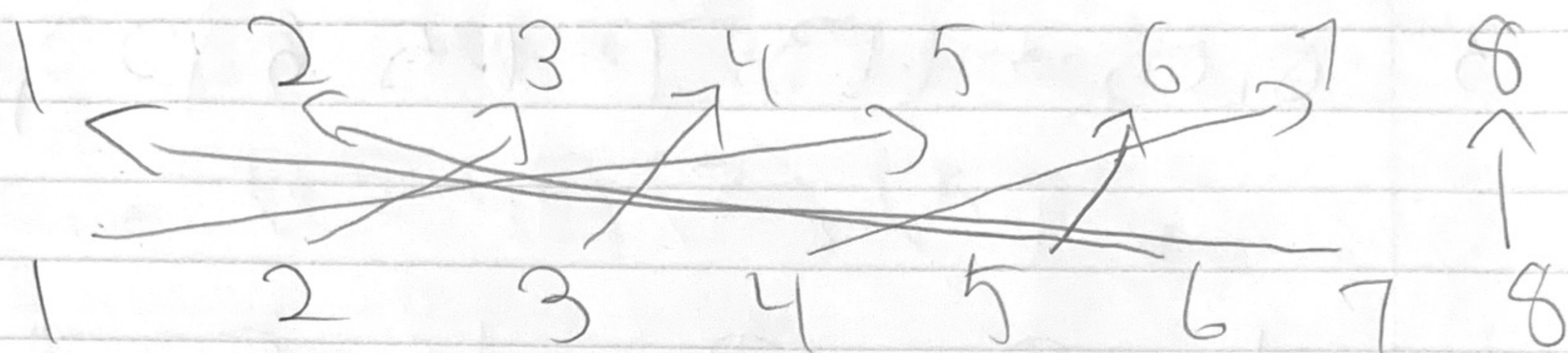


3. $\sigma_1, \sigma_2 = (1374562)$



$\tau_1, \tau_2 = (1562347)$





4. $\sigma_2 \sigma_1 = (14352678)$

From Q3, we have $\sigma_1 \sigma_2 \neq \sigma_2 \sigma_1$