

$[(\text{Just } 1), (\text{Just } 2), (\text{Just } 3), (\text{Just } 4)] \xrightarrow{\text{sequence}} \text{Just } ([1, 2, 3, 4])$

$[(\text{Just } 1), (\text{Just } 2), \text{Nothing}, (\text{Just } 4)] \xrightarrow{\text{sequence}} \text{Nothing}$