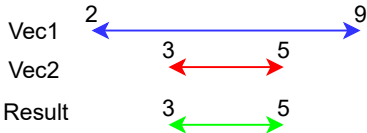
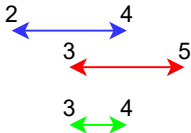


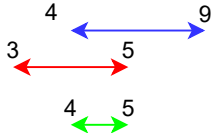
$$[2, 9] \cap [3, 5] = \{[3, 5]\}$$



$$[2, 4] \cap [3, 5] = \{[3, 4]\}$$



$$[4, 9] \cap [3, 5] = \{[4, 5]\}$$



$$[2, 4] \cap [3, 5] = \{\emptyset\}$$

