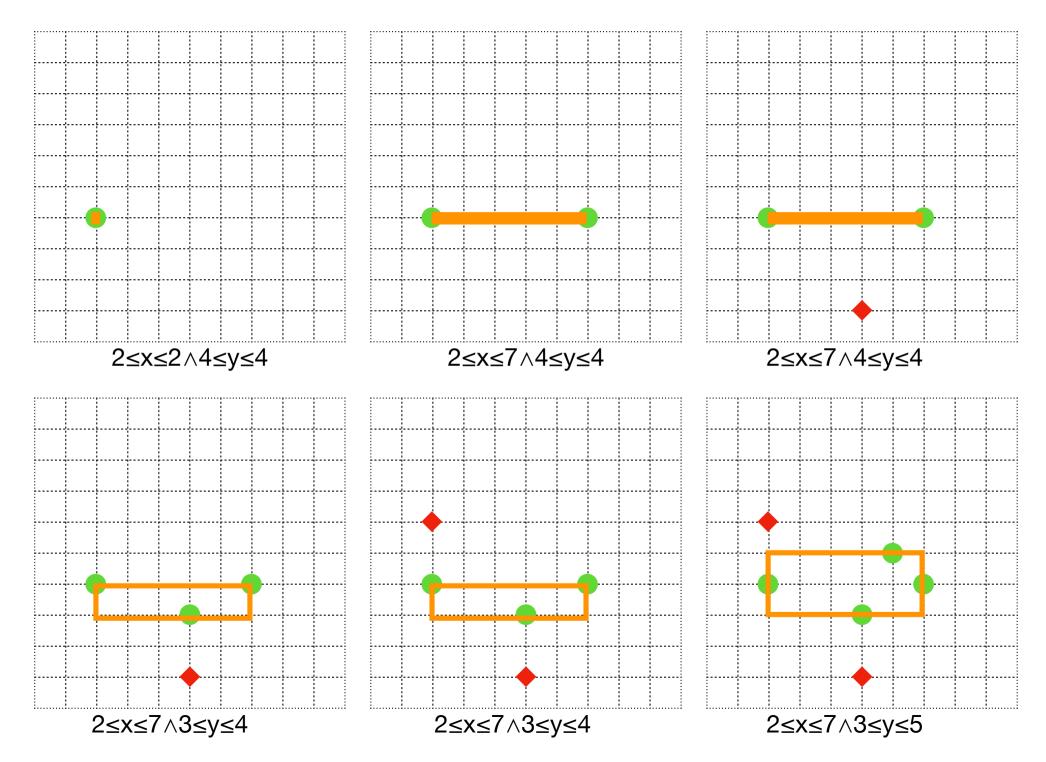
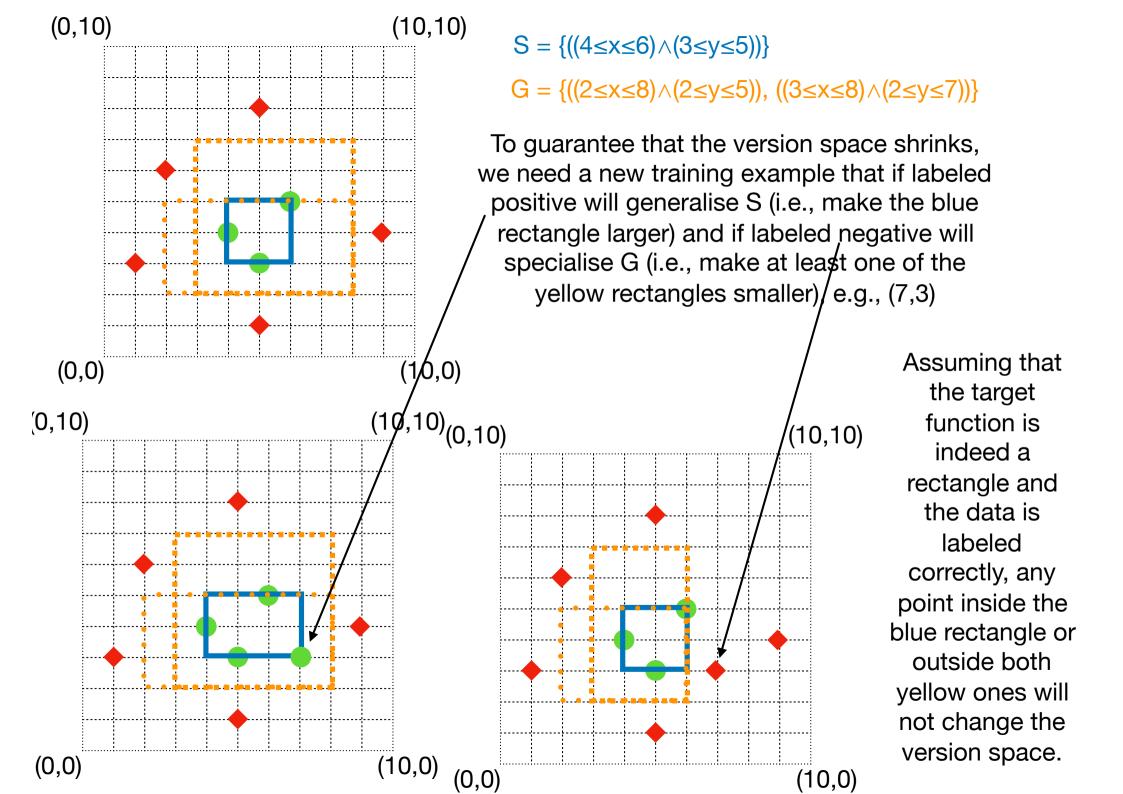
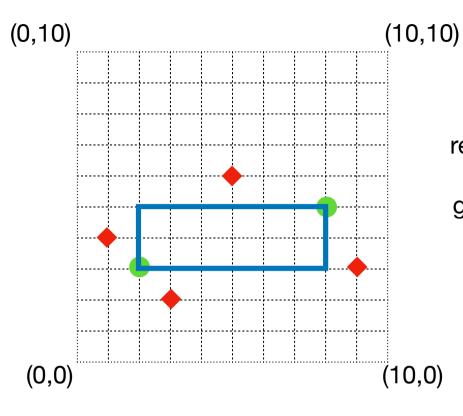
Answers

FIND-S Trace







The minimal number of examples to exactly teach CANDIDATE-ELIMINATION a target rectangle (i.e., to reach S=G) is six: two positives on opposite corners of the rectangle to generalise S, and four negatives just outside the four sides to specialise G

Note that for the negatives, two examples at the corners are not enough to collapse G onto a single rectangle, as the algorithm uses **minimal** specialisations of G

 $G = \{((0 \le x \le 8) \land (0 \le y \le 5)), ((2 \le x \le 10) \land (3 \le y \le 10)), ((2 \le x \le 8) \land (0 \le y \le 10)), ((0 \le x \le 10) \land (3 \le y \le 5))\}$

