K2 Post-Exp

- MechTurk Experiment, 50 subjects, pay 1$ each;
    - start with 10 subjects to test experiment, then get the other 40 if no technical issues
- exp consists of **two training trials**, and **six experimental trials**
    - in training trials, when subjects press a “wrong” button, they will be notified by an alert box (text see below)
    - experimental trials have two critical trial and four positional controls
    - training is the same for all subjects
    - experimental trials are in randomized order, and each item is randomly drawn from three sentence/picture variants (using different content words and picture elements), with the following exceptions:
        - different variants must be presented for the critical trials;
        - the critical trials must be separated by at least two control trials;
            - alternatively critical trials can be on fixed positions 2 and 5 in the sequence of trials if the former is too much of a programming hassle
                - I’d suggest to start with the latter option

MATERIALS

- on the top of each screen display the instruction question: “Is the sentence a good description of the picture?”
- below that present the sentence to be rated (see table below)
- below that show the (partially revealed picture)
    - sentences and pictures are presented at the same time; sentence is visible throughout
- below the picture are three buttons with labels “good”, “bad”, and “more info”
    - the button “more info” should disappear on the last picture in a sequence; here subjects must make a judgement
- The three variants of all picture/sentence pairs differ in the value for X and Y in the sentence frames in the table below:
    - Variant 1: X = scissors (careful: requires plural predicate “are” instead of “is”); Y = circles
    - Variant 2: X = letter; Y = rectangles
    - Variant 3: X = bell; Y = triangles

Pictures & Notation
Pictures are as in K2 but only limited one object with six connections around it. Pictures with partially revealed connections are referred to by pairs of numbers: (x , y) where
- x is the number of connections known to be present
- y is the number of connections known to be absent.

type	sentence	sequence	critical	reading
training 1	The X is not connected to any of the Ys.	(0,0) - (0,2) - (0,3) - (0,6)	true on 4	control
training 2	The X is connected to at most two of the Ys.	(0,0) - (2,0) - (3,0)	false on 3	control
critical	The X is connected to some of the Ys.	(0,0) - (3,0) - (4,0) - (6,0)	true on 2 false on 4	literal pragmatic

control 1	The X is not connected to more than 3 of the Ys.	(0,0) - (2,0) - (3,0) - (3,3)	true on 4	control
control 2	The X is connected to more than half of the Ys.	(0,0) - (0,2) - (0,3) - (1,5)	false on 3	control
control 3	There are no connections from the Ys to the X.	(0,0) - (2,0) - (3,0) - (3,3)	false on 1	control
control 4	There are more than three Ys.	(0,0) - (1,0) - (3,0) - (3,3)	true on 0	control

HOW TO ENCODE RESULTS

- the results can be encoded in whatever way makes the implementation easy, but maybe it's easiest to output for each trial a single number n = -4, …, -1, 1, …, 4, where n = 3 for instance is a "good" judgement at position 3 and -2 is a "bad" judgement at position 2 in the sequence
- reading times and other fancy stuff is not necessary