Lakefield College School

iteration % 2 == 0 detects even iterations

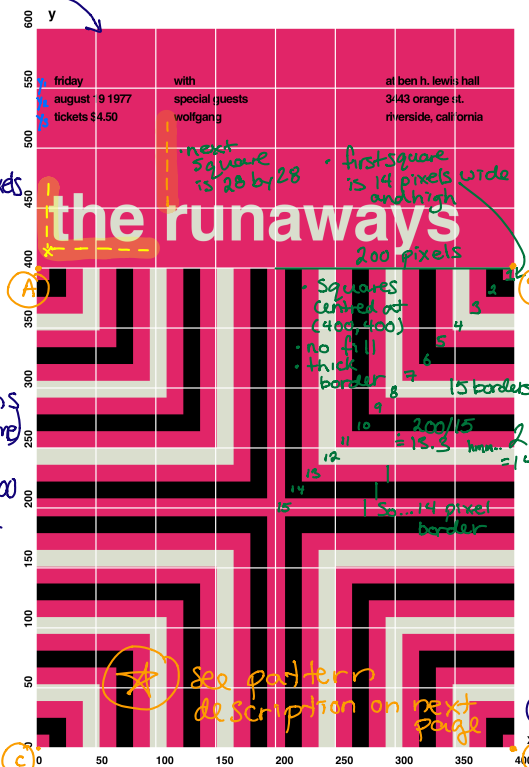
* iteration % 4 == 0 detects iteration 4, 8, 12 (when 4 is a factor)

Name: _____

Planning Sheet

Show how you will use sequence (order of statements), conditionals (if statements), and iteration (loops) to reproduce this image.

1. set fill color to deep pink and draw rectangle at x:0 y:0 w:400 h:600
2. set shapes to draw with no fill but a thick border, about 16 pixels
3. use a loop that goes from 1 to 15 and
   → with each iteration, draw a square that has increasingly larger widths (up by 28 pixels each time)
   → square centred at x:400 y:400
   → use a conditional statement to alternate colours
   ↳ when loop iteration is even, draw a square
   → on iteration 4, 8, 12 draw white
   → on 2, 6, 10, 14 draw black. *



4. repeat step 3 centred at x:0, y:400 and x:400, y:0 and x:0, y:0 (could use loops to do this I think?)
5. set shapes to have no border and have a deep pink fill
6. draw rectangle at x:0 y:400 w:400 h:200
   → this will make "blank space" again for subheadline text
7. draw date and price info at x:15 (approximately) and y_1: 550, y_2: 540, y_2: 530
8. draw guest performers text at about x:115 (horizontally aligned with "r") and y_1: 550, y_2: 540, y_2: 530
9. draw venue and location info at about x: 290 and y_1: 550, y_2: 540, y_3: 530
10. set text colour to off-white and draw text "the runaways" in a larger size at x:20, y:420

pattern description

- four repetitions of same squares pattern
  ↳ centred at A B C D
- squares have increasing width and height, no fill, and a thick border
- colours alternate between off-white and black.
- will need to draw pink-filled rectangle over top of canvas (x: 0 y: 400 w: 400 h: 200) to cover up squares centred at A B and to make empty space for headline and subheadline text.