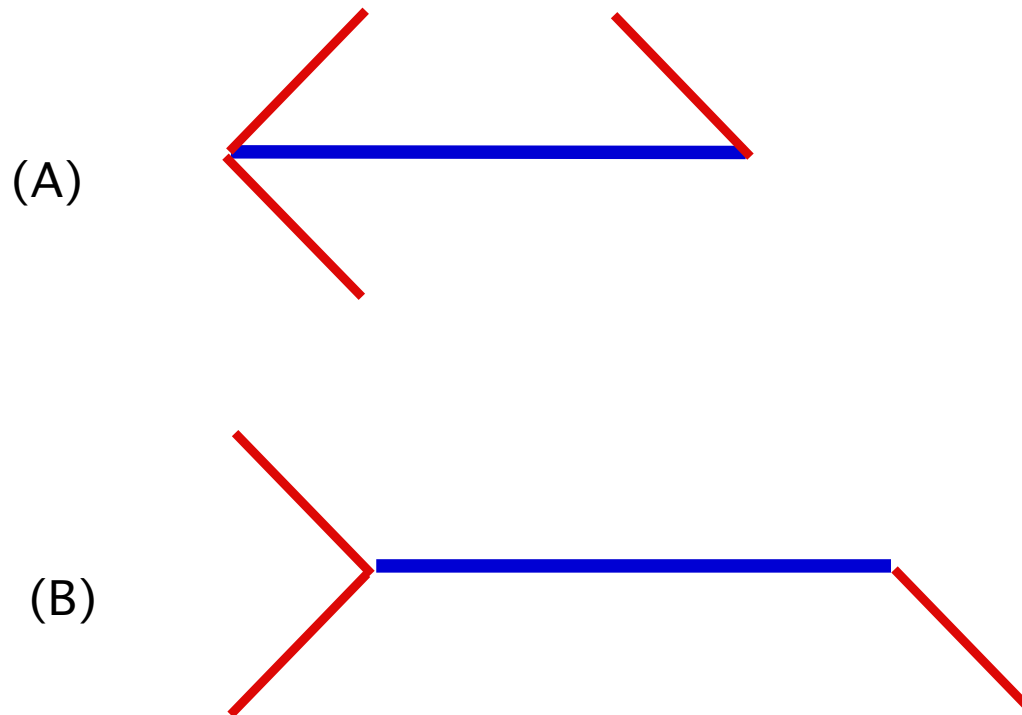


# Quiz for Intro to 331

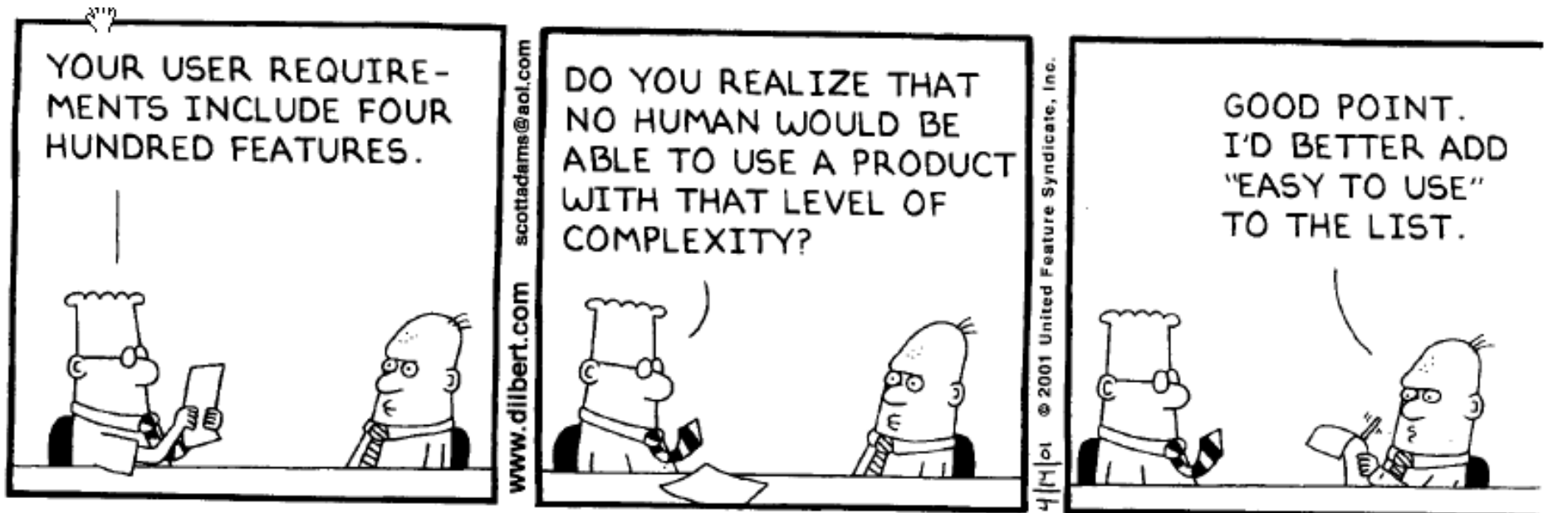
- Work with your group
- 1 sheet per group
- Computers turned off, cell phones off
- ~40 seconds/question

# 1. Which blue line is longer?



## 2. How many words out of 10 will your teammate remember?

- At 1 word per second



**3. Prepare to look at a  
picture of my office**

### 3. A picture of my office [look at 2-3 seconds]



## **3. pause**

**3. How many books in that picture?**

# 4. Which penny is the US penny?

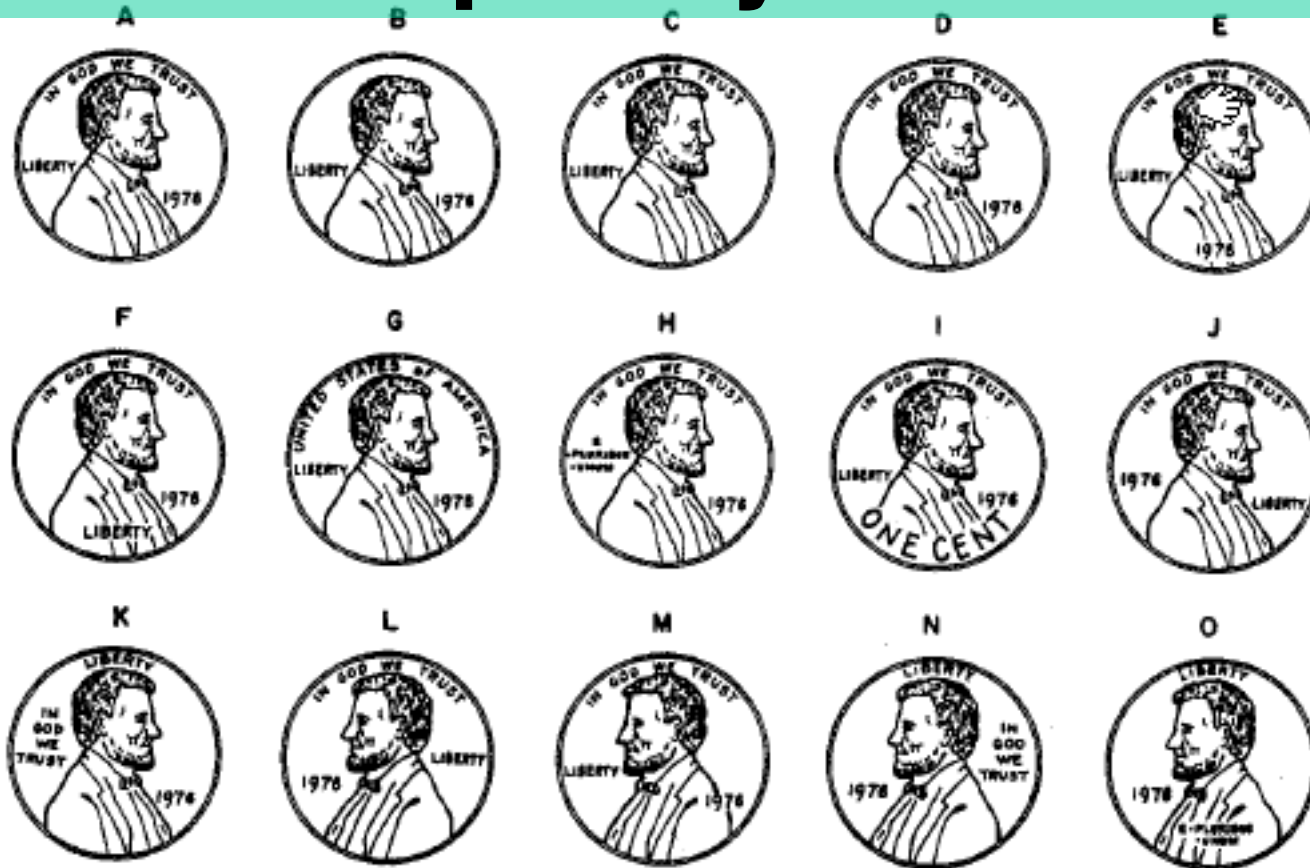


FIG. 6. The fifteen drawings of the top side of a penny that were used in Experiments IV and V. A brief characterization of each drawing is given in Table 3.



**5. How do you redial on this phone? [my cordless]**



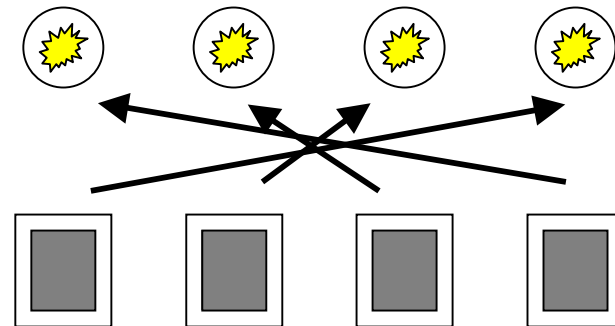
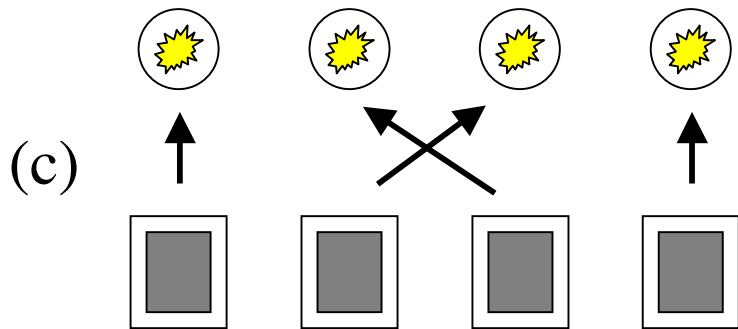
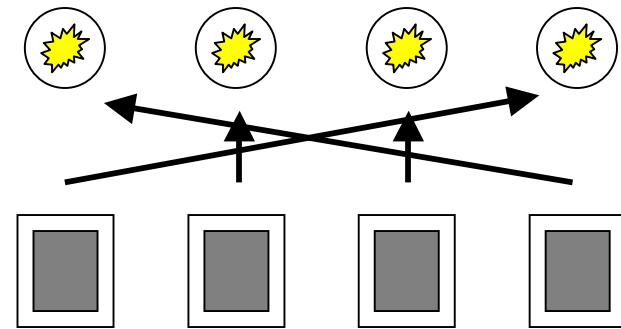
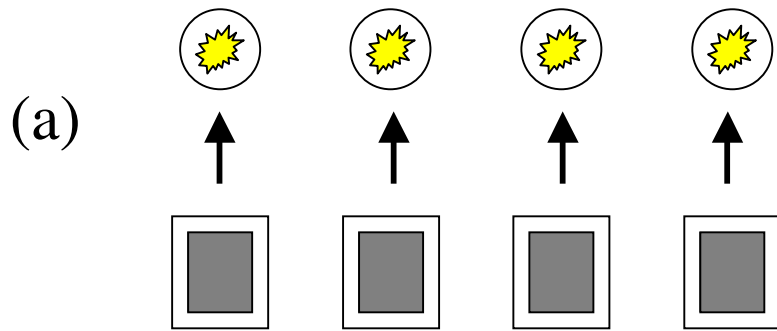
# 6. How do you redial on this phone?



**7. What percentage of volunteers (1 per group) will answer a simple Bible knowledge question correctly?**

**8. If a task takes 1,000 sec. (about 14 min.) the first time and 500 s. the second time, how long will it take when the user has practiced 100 times?**

# 9. Which is the best light-switch pairing (in order)



**10. Linda is 31 years old, single, outspoken, and very bright. She majored in philosophy. As a student she was deeply concerned with issues of discrimination and social justice, and also participated in anti-nuclear demonstrations.**

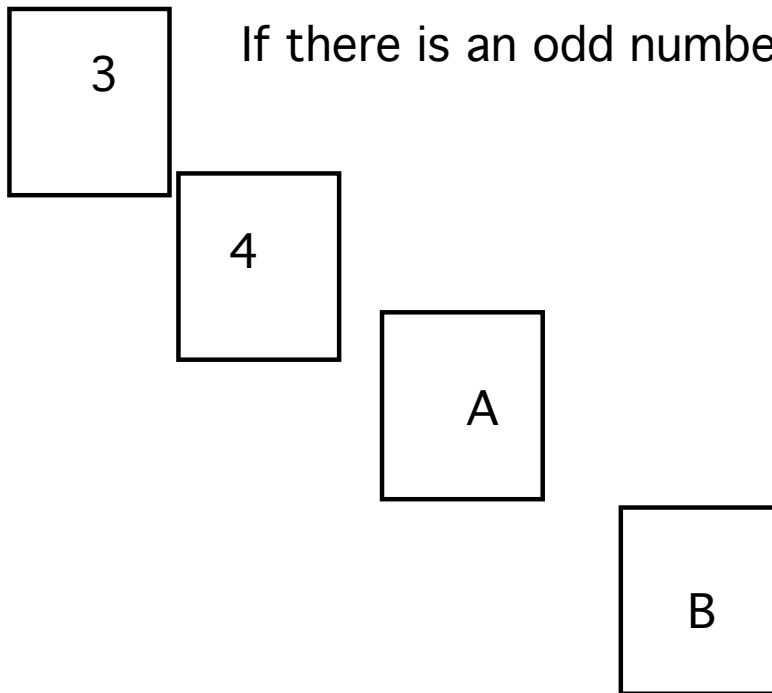
**Provide numbers for A and B**

- A. P(Linda is a programmer)**
- B. P(Linda is a programmer and is active in the feminist movement)**

# 11. Which cards should you turn over to confirm the rule?

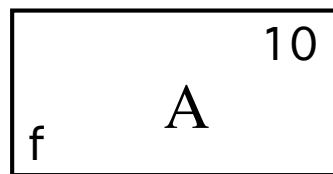
Given: Letter on one side, number on the other.

If there is an odd number then there is a vowel.

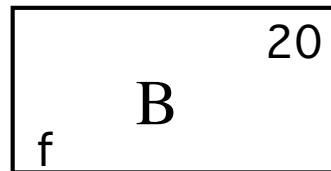


# 12. Which envelopes should you turn over?

If there is low postage (10p), then the envelope must be unsealed.

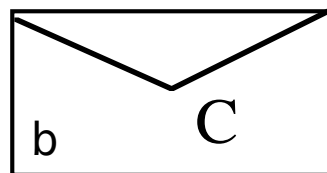


(can't tell if sealed)

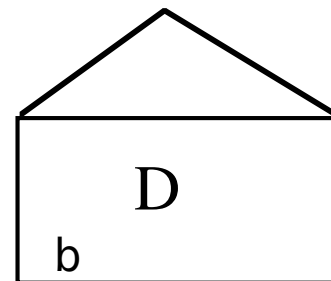


(can't tell if sealed)

(sealed)



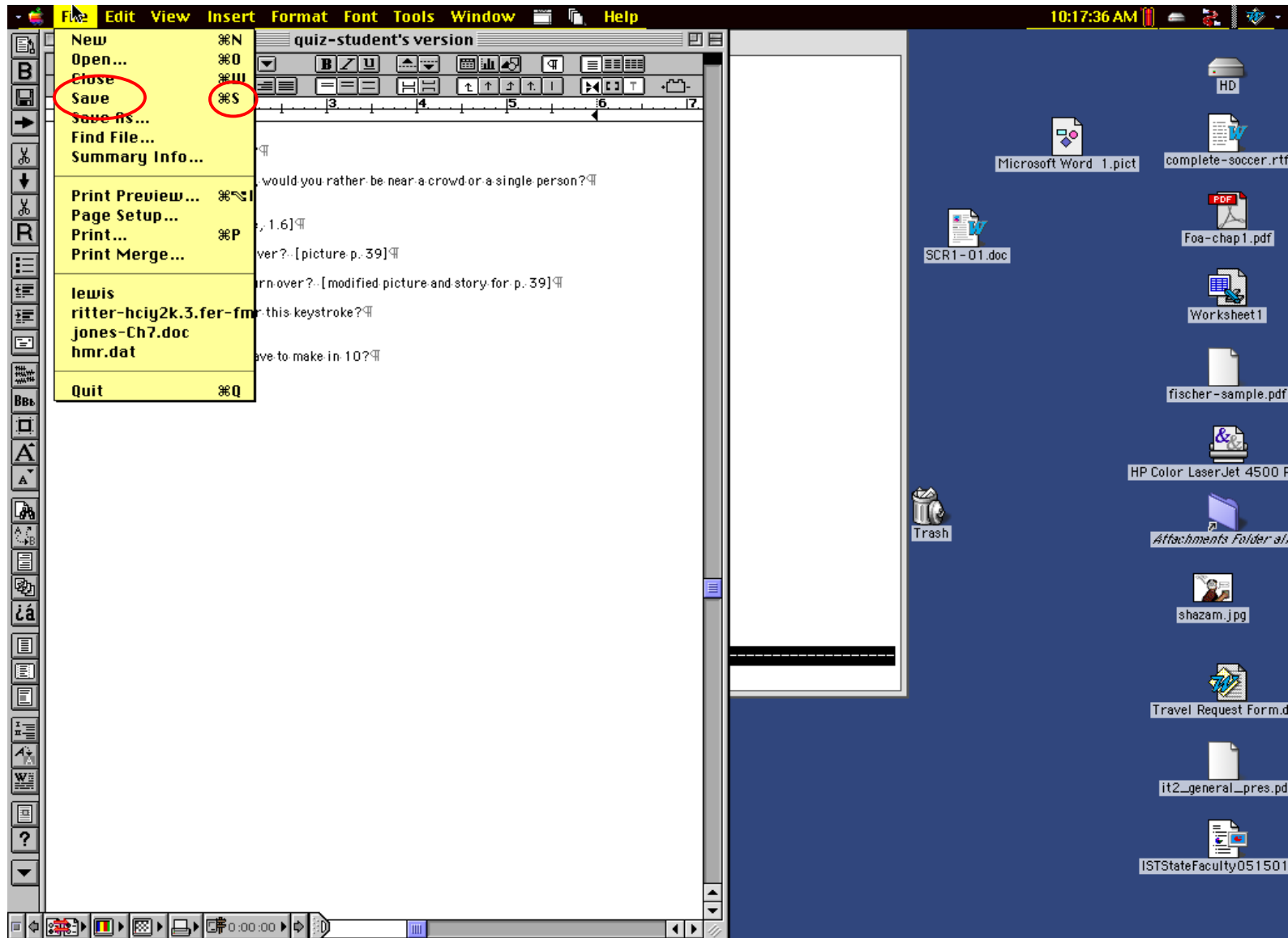
(unsealed)





**13. If you get hurt while walking, would you rather be near a crowd or an individual person?**

14. For an expert, how long to (a) use this menu and (b) this keystroke? [Within 100 ms]



**15.a Why have you  
accidentally deleted a file?**

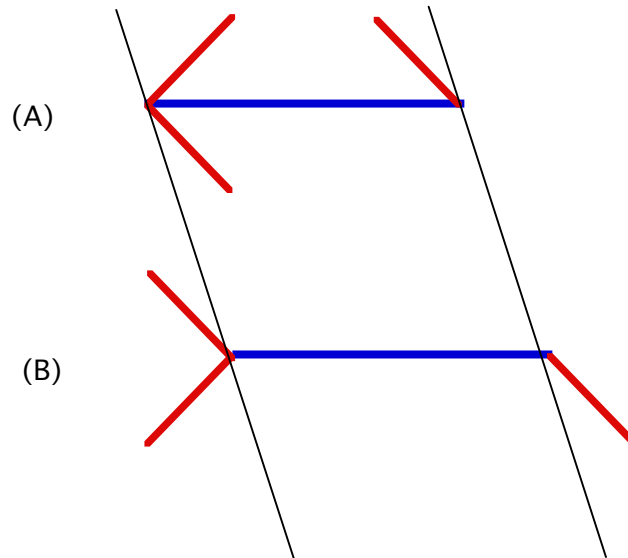
**15 b. Why did your lab partner accidentally delete your file?**

**16. Experts do not make mistakes, T/F**

# **Now, swap answer sheets**

- You want to be here with 30 min. to spare

# 1. Which line is longer? [picture, 1.6]



## **2. How many words out of 10 will your teammates remember?**

- 1 word per second



## 2. How many words out of 10 will your teammates remember?

### List 1

- Carkey
- Bottlecap
- Keystroke
- Bottleopener
- Canopener
- Backstroke
- Carpool
- Backgammon
- Poolcue
- poodledog

### List 2

- Hana
- Tul
- Set
- Net
- Ee
- Er
- Sen
- Ju
- Eine
- zhen

### List 3

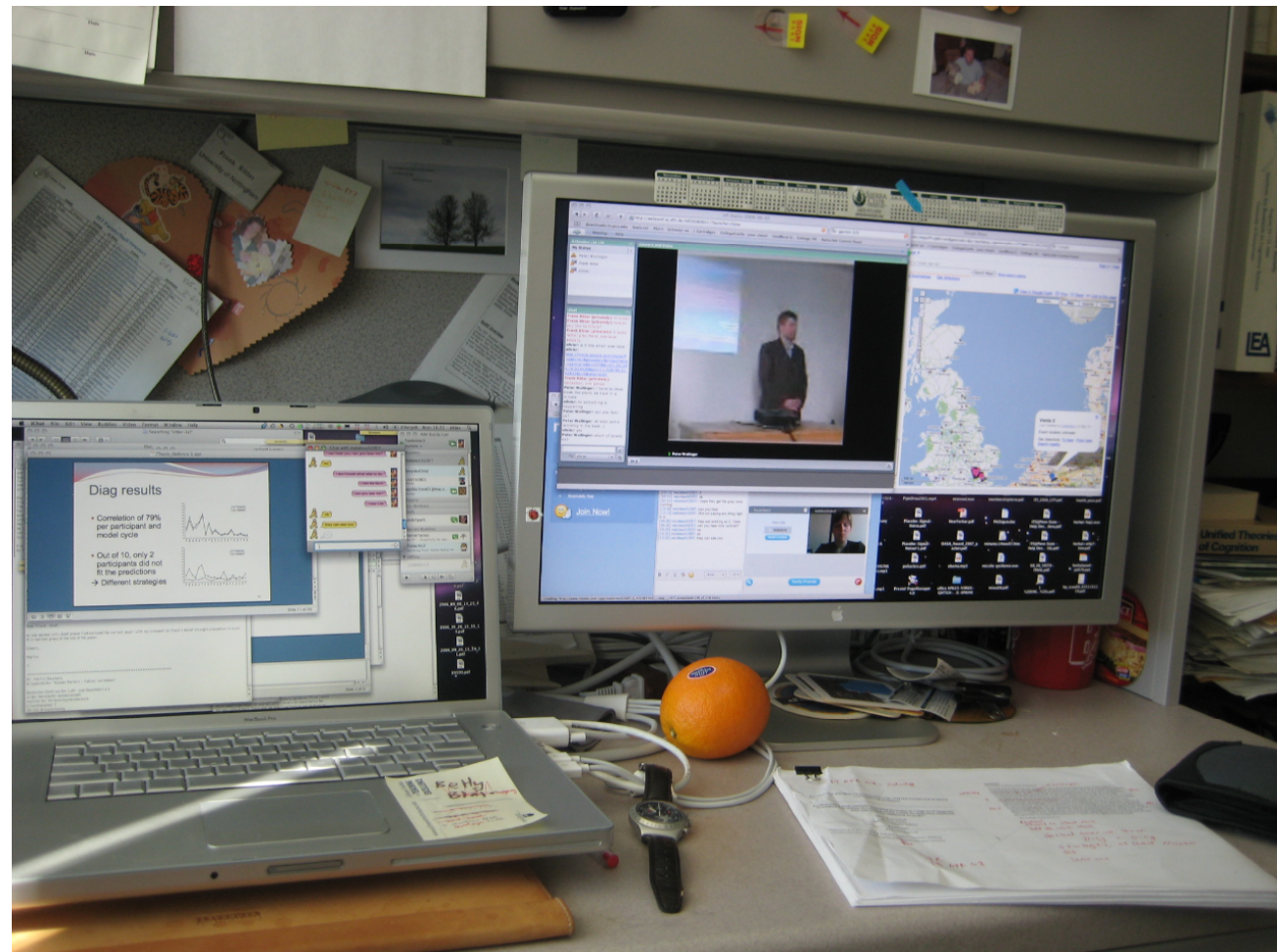
- One
- Two
- Three
- Four
- Five
- Six
- Seben
- Ocht
- Neun
- zhen

### List 4

- Cow
- Bull
- Cheese
- Carton
- Glass
- Percent
- White
- Jug
- Can
- pasture

# 3. How many books?

- Zero

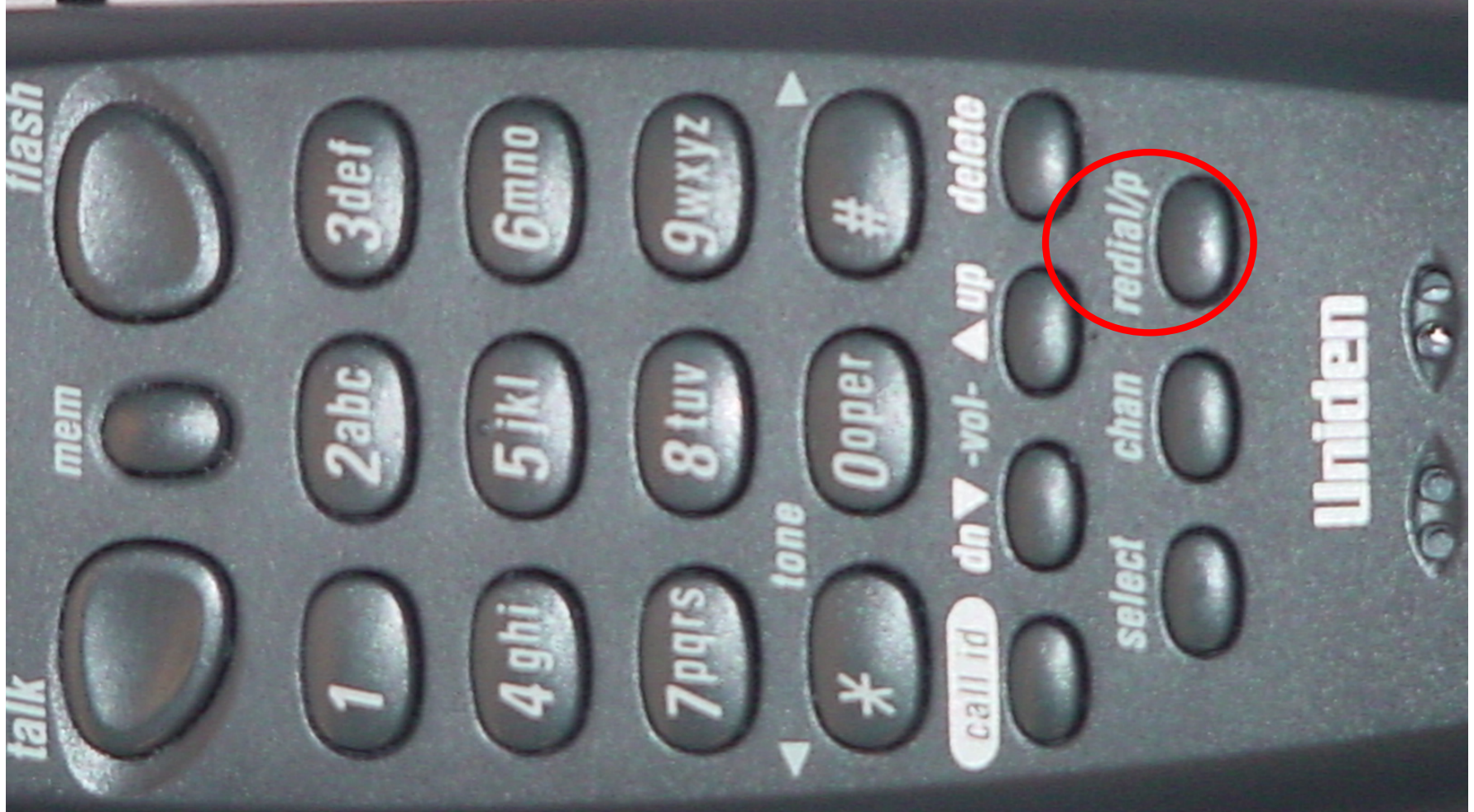


# 4. What penny is the US penny?

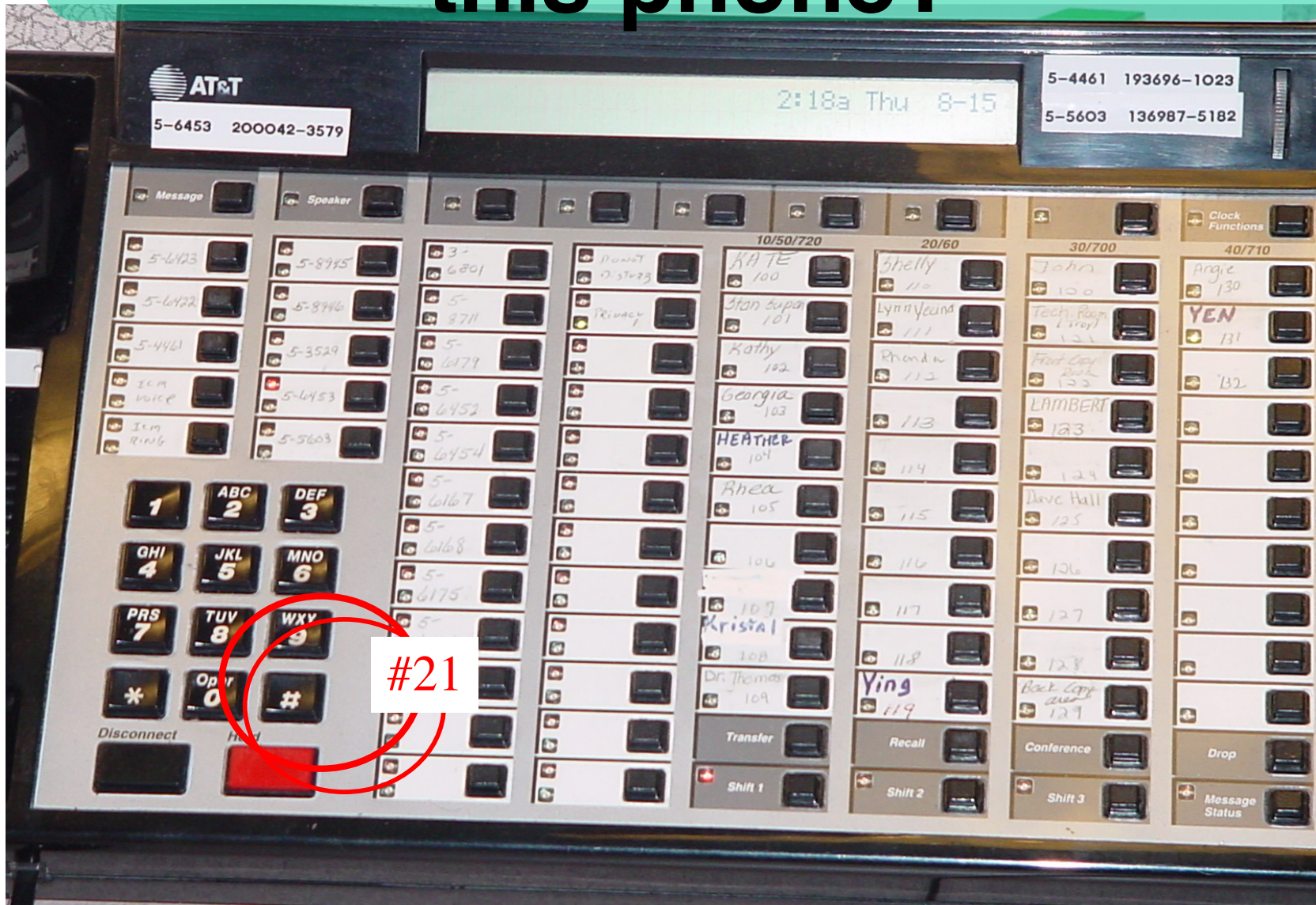


FIG. 6. The fifteen drawings of the top side of a penny that were used in Experiments IV and V. A brief characterization of each drawing is given in Table 3.

**5. How do you redial on this phone? [my cordless]**



# 6. How do you redial on this phone?



**7. What percentage of  
volunteers (1 per group)  
will answer a simple Bible  
knowledge question  
correctly?**

Please answer as quickly and as accurately as possible.

**8. If a task takes 1000 s. the first time and 500 s. the second... when the user has practiced 100 times?**

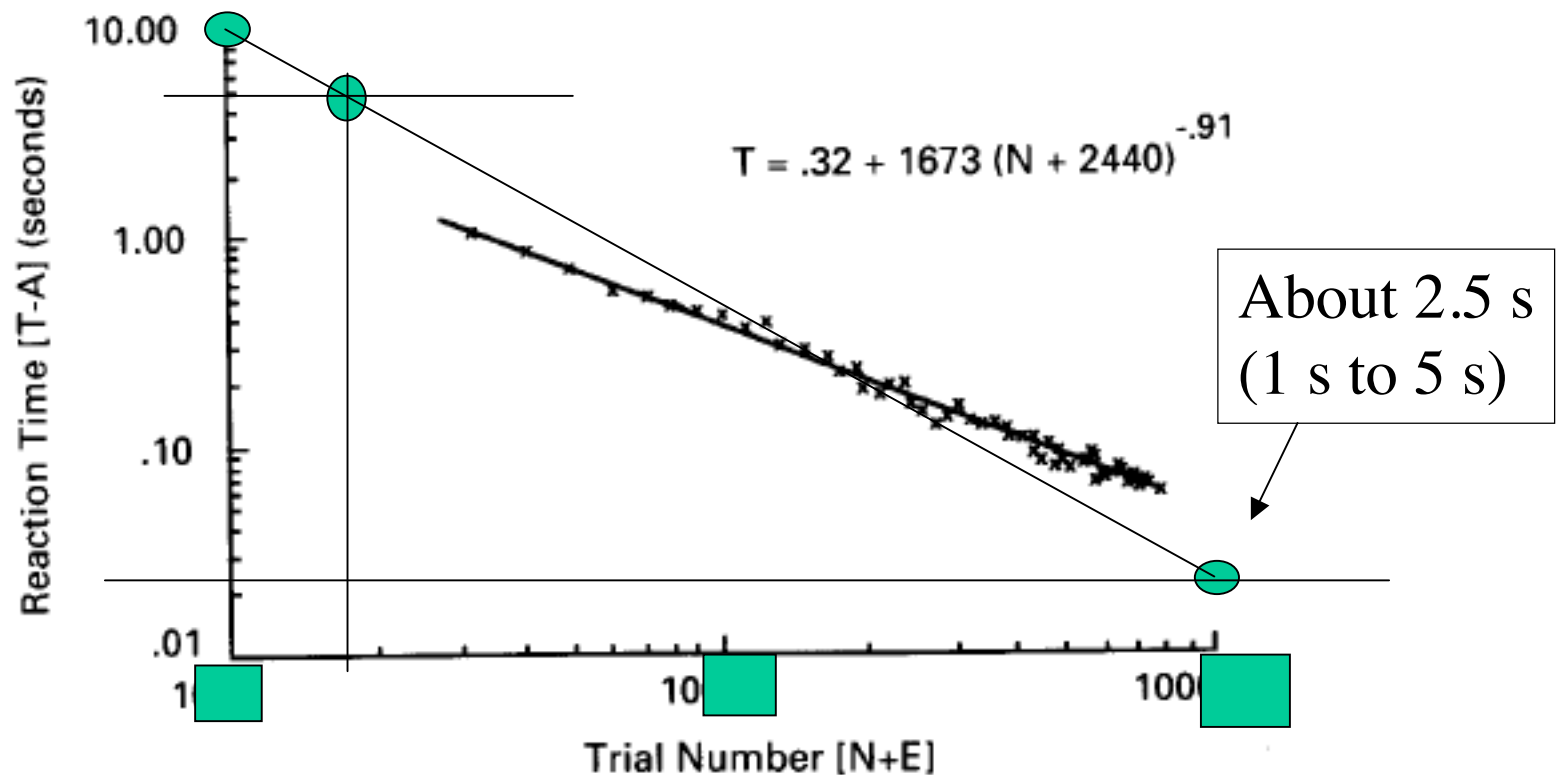
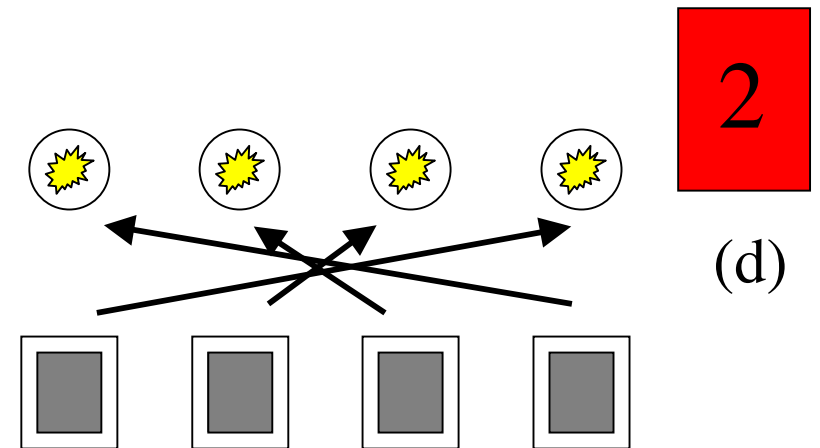
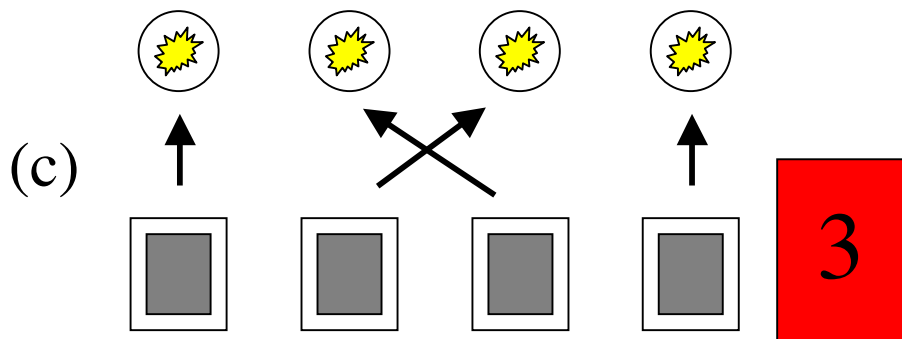
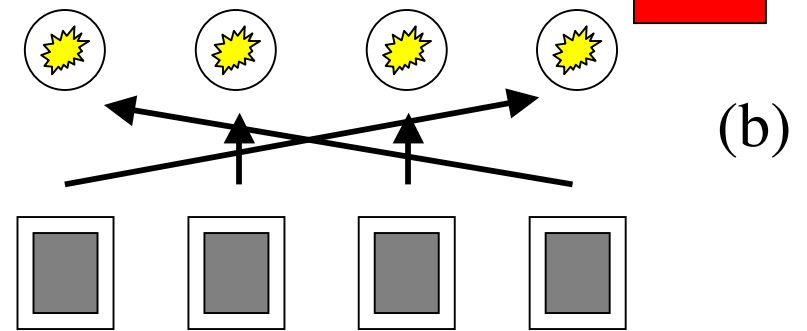
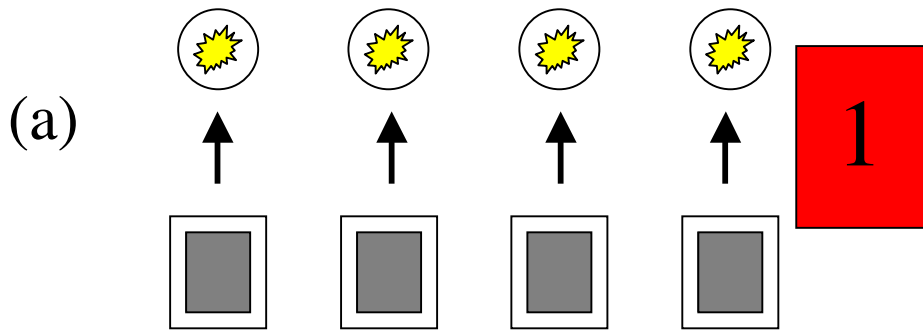


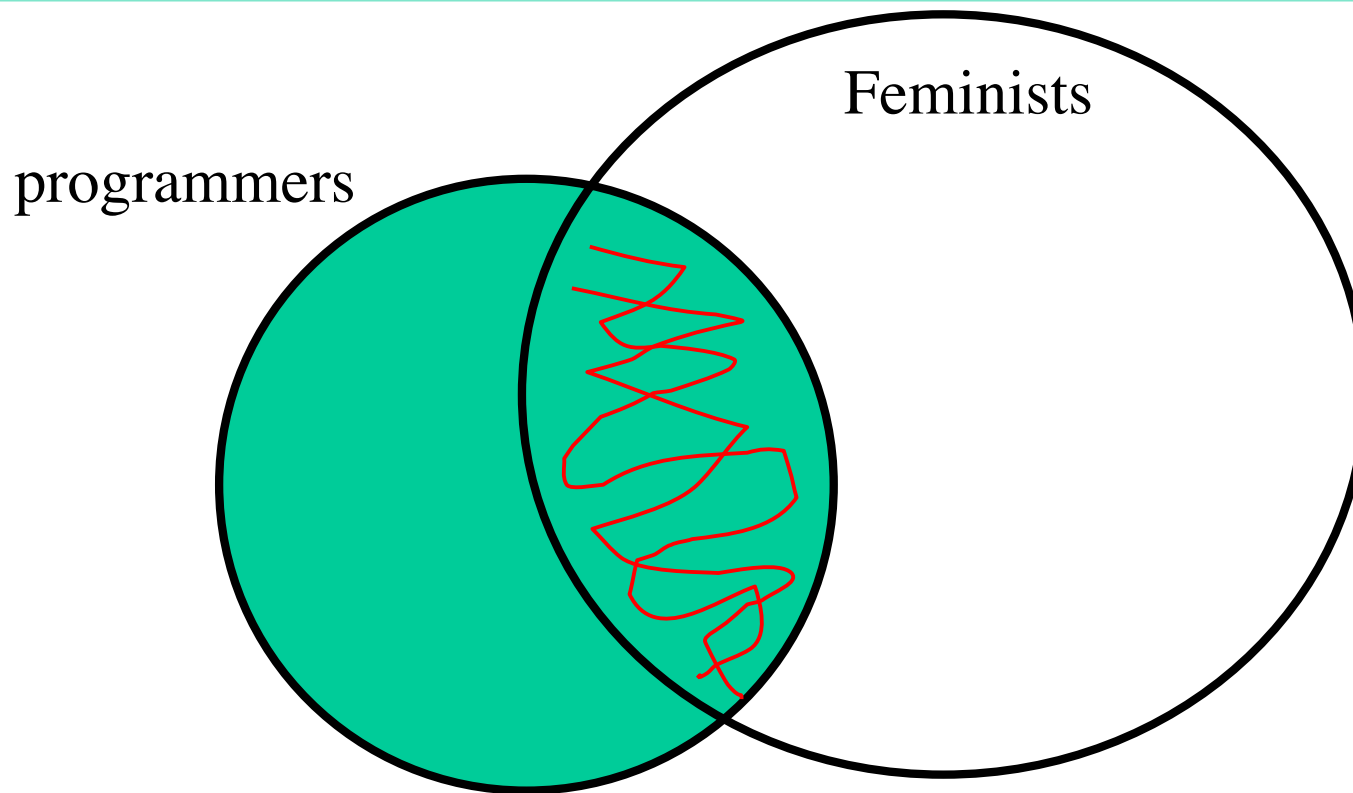
Figure 1-2. Choice reaction task (adapted from Seibel, 1963).

# 9. Which is the best light-switch pairing (in order)



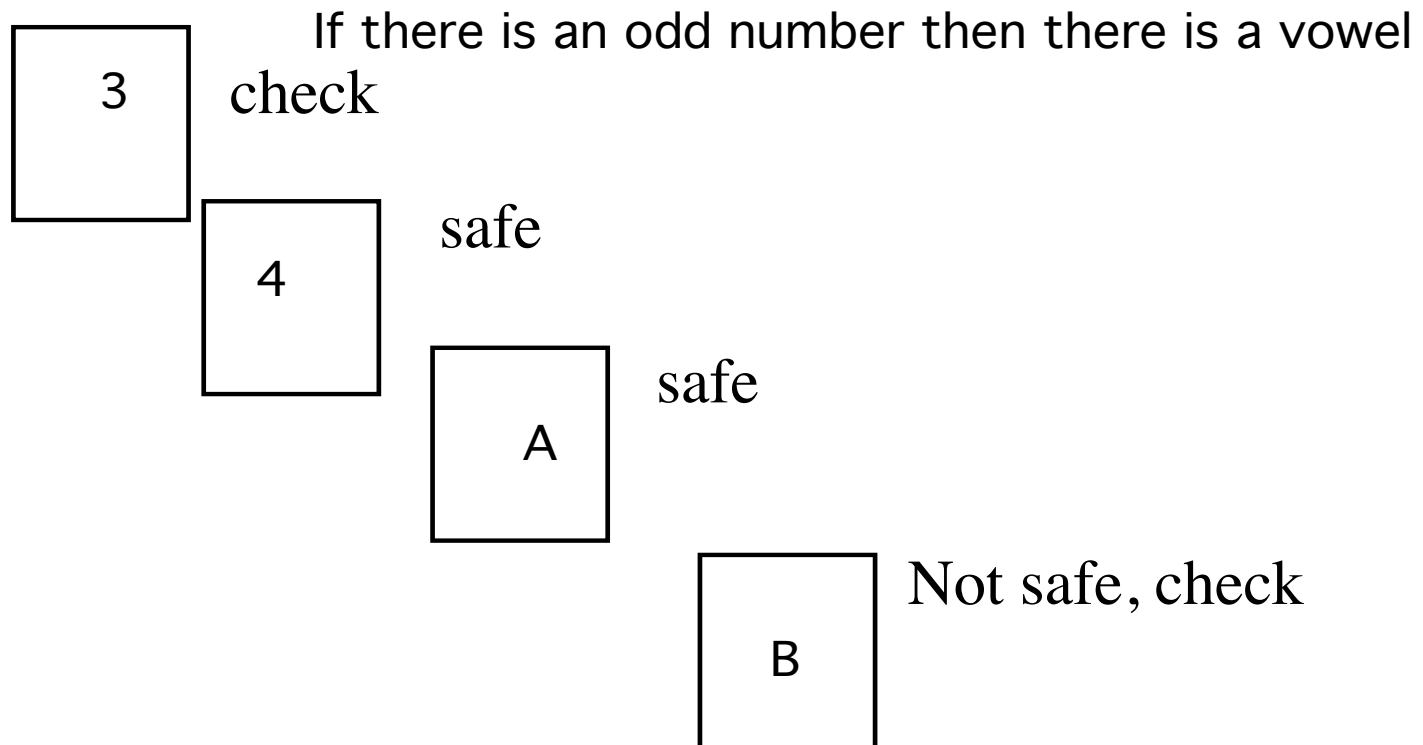


## 10. Linda



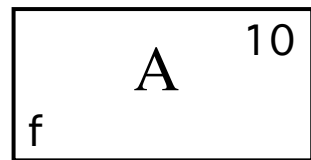
$P(\text{programmer}) > P(\text{programmer and feminist})$  for 1 point

# 11. Which cards should you turn over?

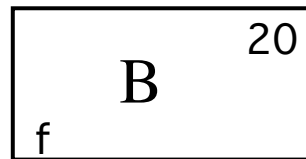


# 12. Which envelopes should you turn over?

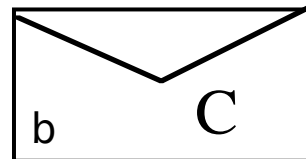
If there is low postage (10p), then the envelope must be unsealed.



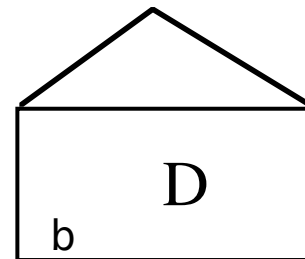
check



safe



Not safe, check



safe

**13. If you get hurt while walking, would you rather be near a crowd or a single person?**

- Assuredly a single person

## 14. For an expert, how long to use this menu and this keystroke?

- Keystroke             $Mop + \text{keystroke} = 1.1 + 0.4 \text{ s}$   
                               $= \mathbf{1.5 \text{ s}}$
  - Mouse = Mop Move Mop Click =  
                               $= 1.1 + 1 + 1.4 + 0.4 \text{ s} = \mathbf{3.8 \text{ s}}$   
                              [less accurate]
- or     $1.1 + .1 \log_2(20/1+.5) + 1.4 + .4 \text{ s}$   
                               $1.1 + .4 + 1.4 + .4 \text{ s} = \mathbf{2.3 \text{ s}}$   
                              [more accurate]

**15. 1/2 of room, why have  
you accidentally deleted a  
file?**

**1/2 of room, why did your  
roommate accidentally  
delete a file?**

**Have to be same reason for  
point**

## **16. Experts do not make errors, T/F**

Answer is True, they do make errors, but they catch them better and correct them better