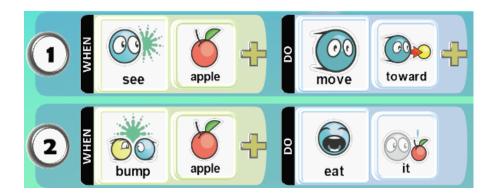
## **Student Questionnaire: Module 4**

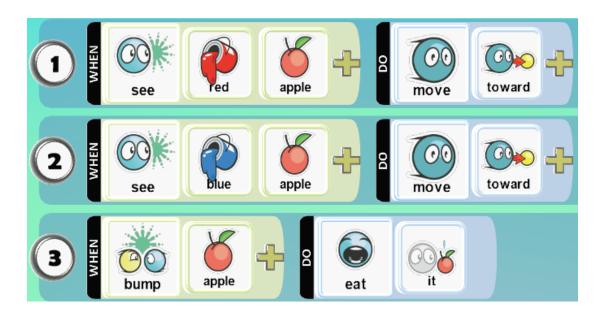
Version of 7 July 2015

- 1. When two rules can both run but they have conflicting actions (same verb, different parameters), what happens? Put an "X" next to the correct answer.
  - \_\_\_ Both actions are performed.
  - \_\_\_ Neither action is performed: they cancel each other out.
  - \_\_\_ The earlier rule has priority; the later rule's action is not performed.
- 2. Examine the Kodu program below. Write a number from 1 to 4 next to each apple to show the order in which the apples will be eaten.



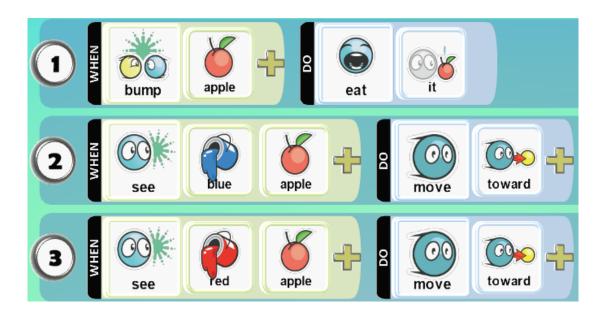


3. Here is another Kodu program for eating apples. Remember what you learned about rule order and priority. Write a number from 1 to 4 next to each apple to show the order in which the apples will be eaten.





4. Here is a third Kodu program for eating apples. Remember what you learned about rule order and priority. Write a number from 1 to 4 next to each apple to show the order in which the apples will be eaten.

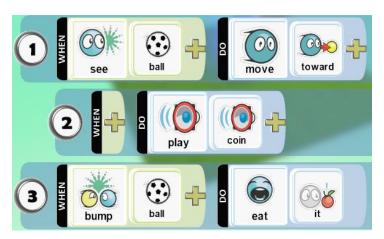




5. In this world, the cycle is throwing out balls that the Kodu can eat:



Suppose the Kodu has these rules:



When will the Kodu play the coin sound?		
After the Kodu eats a ball, it has to wait for the cycle to throw out a new ball.	While it's waiting, will th	e
Kodu play the coin sound?		

(yes or no) \_\_\_\_\_ Explain your answer: \_\_\_\_\_

5.	Compa a.	re the Pursue and Consume idiom with the Default Value idiom (look at the flash cards).  Which idiom relies on rule indentation? (Write an "X" next to the answer.)  neither one does only Pursue and Consume does only Default Value does both do
	b.	Each idiom uses two rules. For which of these two idioms does rule order matter?  for neither one only for Pursue and Consume only for Default Value for both
	c.	Why does rule order matter for some idioms but not for others?
7.	What n	nust be true for code to be an example of Default Value?
	a.	The rules must have:  the same verb but conflicting parameters  different verbs  conflicting conditions (in the WHEN part)
	b.	The default rule should:  be indented  have an empty DO part  have an empty WHEN part
	c.	The default rule must come:  before the other rules after the other rules either before or after the other rules

8. Decide whether each of the program fragments below is a proper example of the Default Value idiom.

