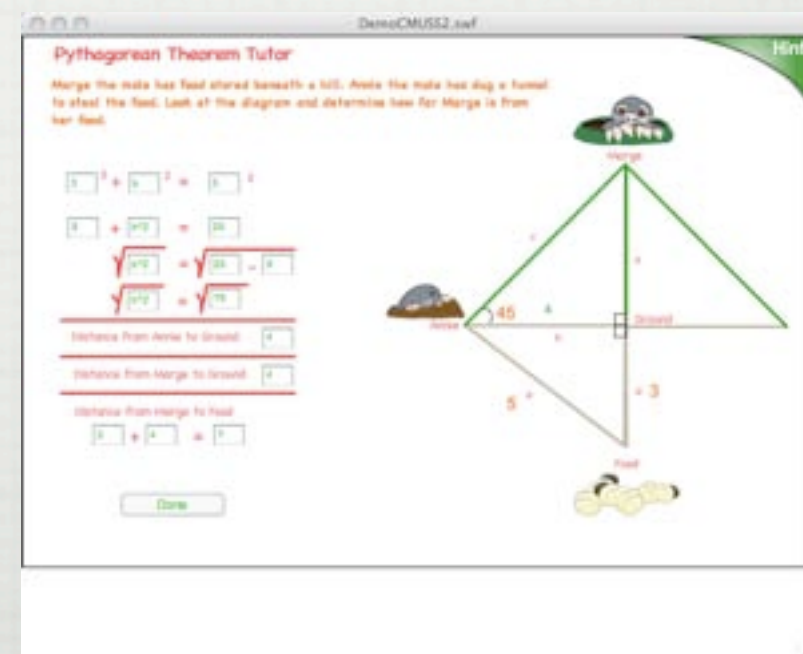
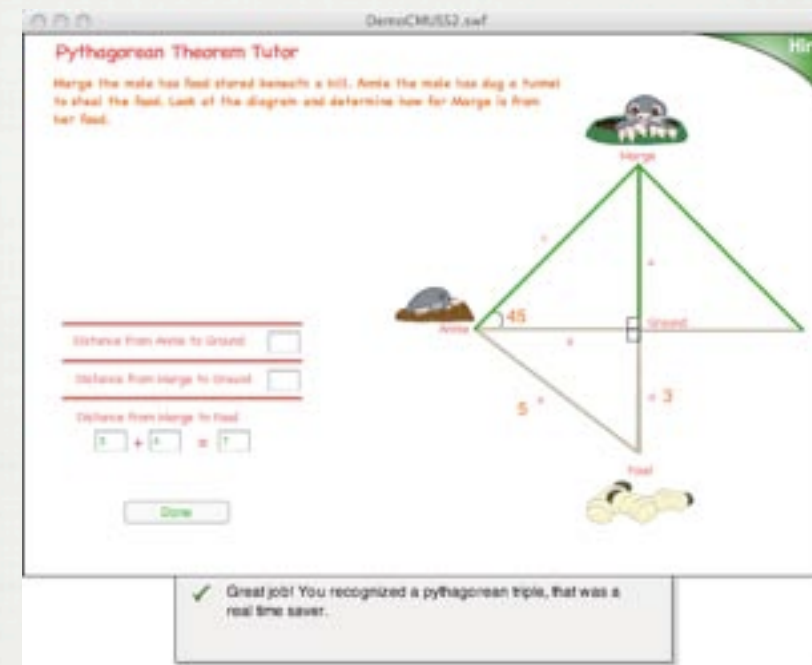


THINK ALOUD

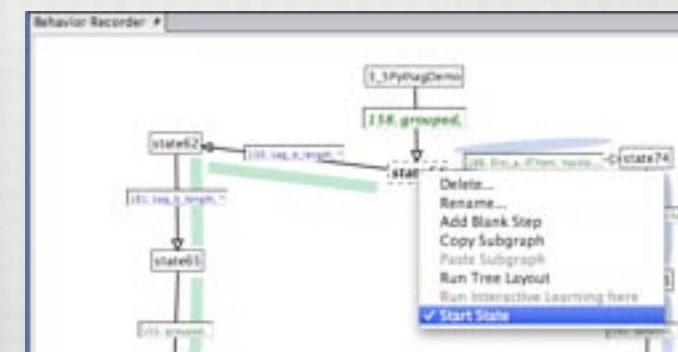
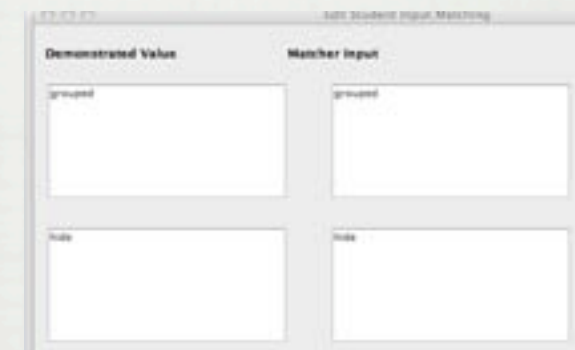
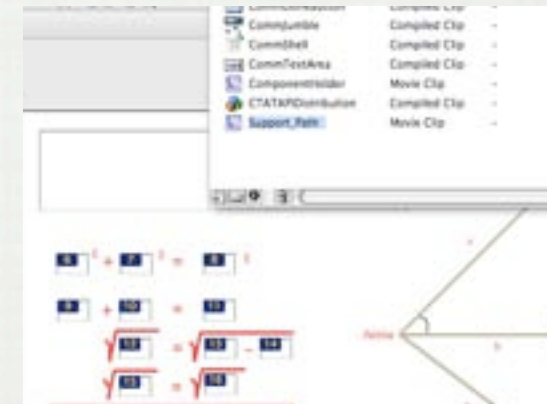
- ONE OF OUR THINK ALOUD PARTNERS RECOGNIZED THE PYTHAGOREAN TRIPLE AND WAS DONE.
- THE RESULT OF THE THINK ALOUD WAS TO CHANGE THE START OPPORTUNITY AND REVEAL MORE SUPPORT IF NEEDED.



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CHANGING THE START STATE AND HIDING THE SUPPORT

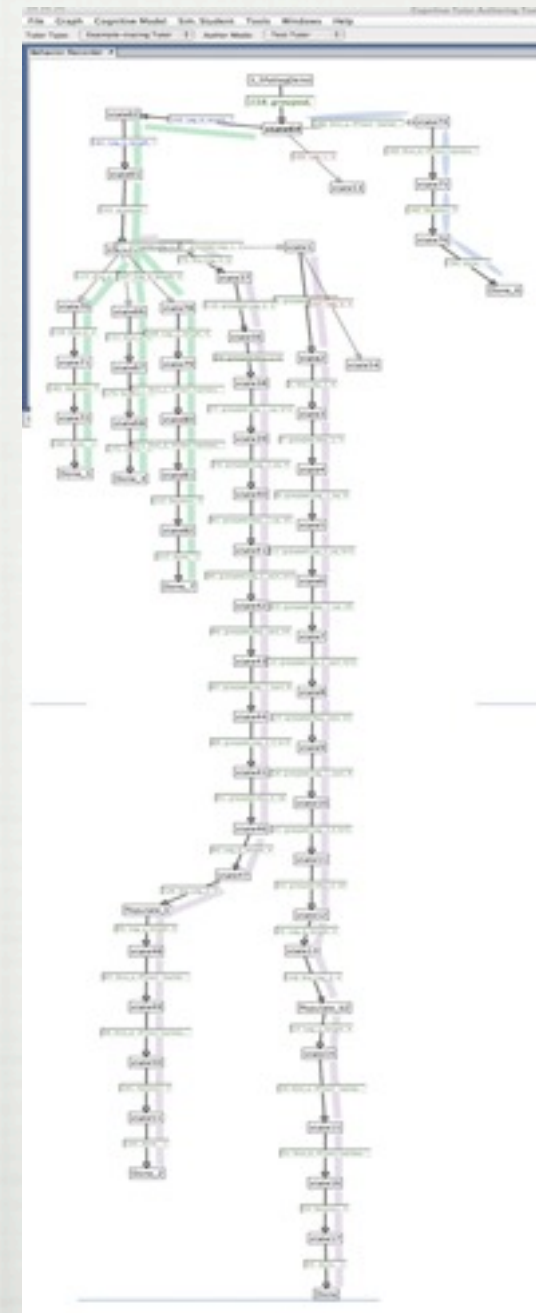
- TO HIDE THE SUPPORT I CREATED A MOVIE CLIP THAT GROUPED ALL OF THE SUPPORT ITEMS TOGETHER.
- THEN I INSERTED A BLANK STEP AND SET THE STUDENT MATCHING FOR THAT ITEM TO HIDE.
- ONE CONFUSING TRICK TO HIDING THIS ELEMENT IS MAKING IT A STUDENT PERFORMED ACTION.
- I RESET THE START STATE TO OCCUR AFTER THE NEWLY INSERTED STEP.



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THE BEHAVIOR GRAPH

- THE GROUPED PATHS ON THE LEFT ARE THE BEHAVIORS FOLLOWED ONCE SUPPORT IS REVEALED.
- THE SHORT PATH ON THE FAR RIGHT ARE THE BEHAVIORS FOLLOWED IF THE STUDENT RECOGNIZES THE TRIPLES.



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UNORDERED WITH A TWIST

- ONE GOAL I HAD WAS WORKING WITH FORMULAS IN STUDENT MATCHING.
- THIS FORMULA ALLOWS THE STUDENT TO ENTER 3 OR 4 IN WHATEVER ORDER THEY CHOOSE.

```
= ifThen(  
< hasValue(Dist_a),  
> ifThen(equals(Dist_a,4),  
!= equals(input,3),  
>= equals(input,4)),  
<= or(equals(input,3),  
boolean) equals(input,4)  
)
```

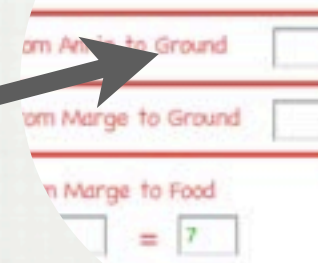
Distance from Marge to Food

| | | | | |
|---|---|---|---|---|
| 3 | + | 4 | = | 7 |
|---|---|---|---|---|

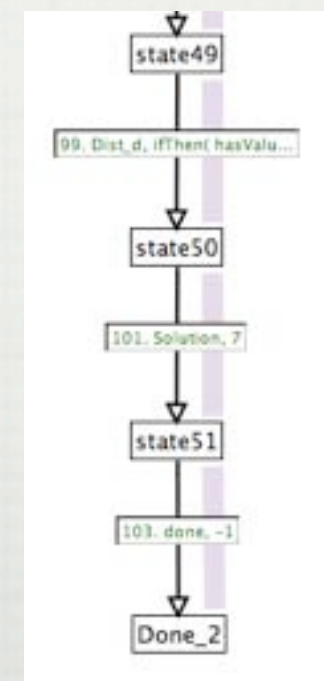
Done

CHALLENGES

- I STILL NEED TO WORK ON THE ITEMS THAT TRIGGER THE SUPPORTED PATH. CURRENTLY IT IS TRIGGERED BY GETTING THE DESIGNATED STEP WRONG TWICE.



- I WAS NOT DILIGENT IN NAMING THE STATES. THE CONSEQUENCE BECOMES APPARENT WHEN TROUBLESHOOTING, IT TAKES A FEW MOMENTS TO UNDERSTAND CLEARLY WHERE I AM IN THE PROCESS.



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WISH LIST

- ☐ IT WOULD BE GREAT TO HAVE THE ABILITY TO HAVE MULTIMEDIA SUPPORT FOR THE HINTS.
- ☐ IT WOULD BE NICE TO CONTROL THE ERROR MESSAGES A BIT MORE. (THIS WOULD INCLUDE THE ABILITY FOR MULTIMEDIA MESSAGES TOO.)

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