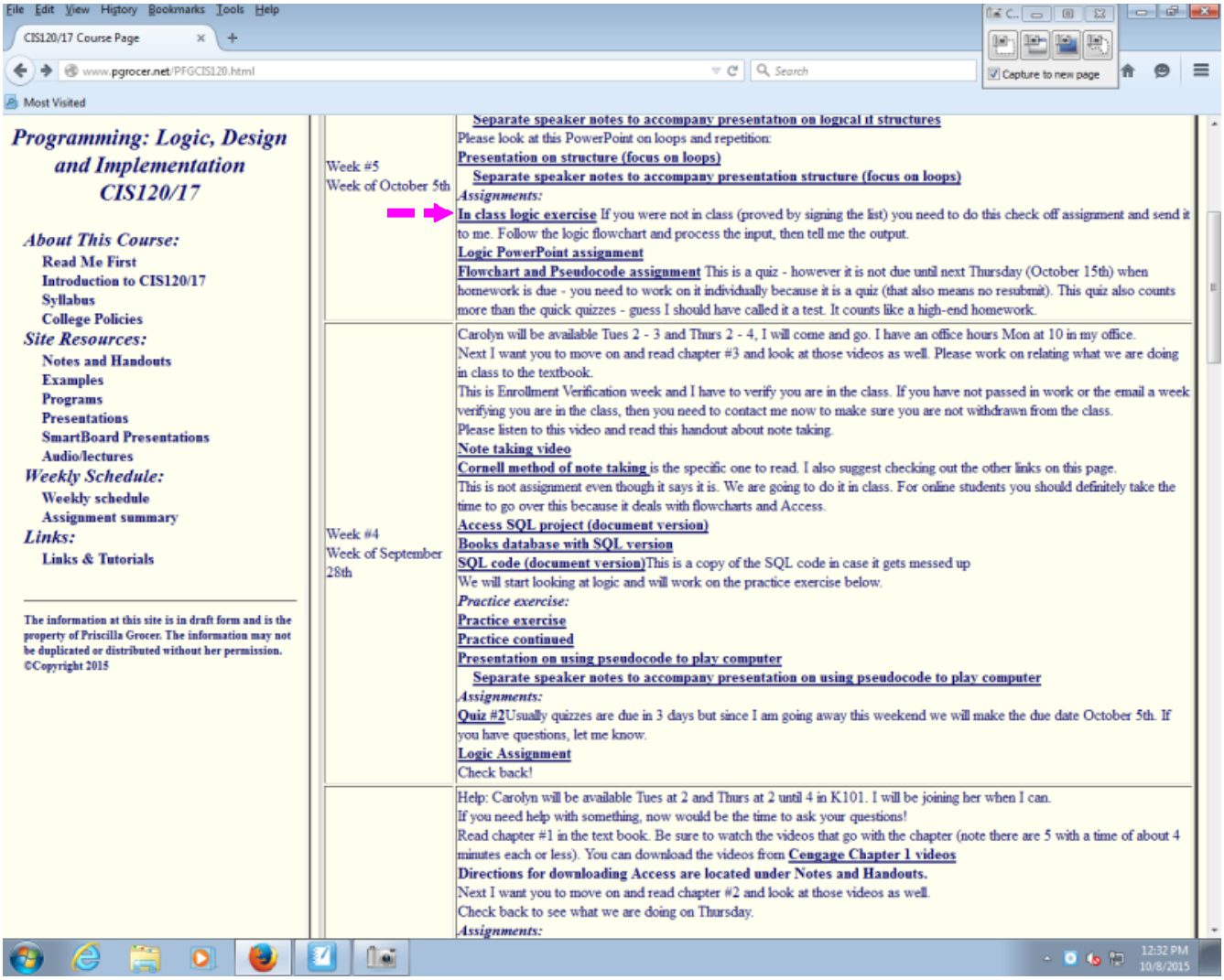
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Programming: Logic, Design and Implementation CIS120/17
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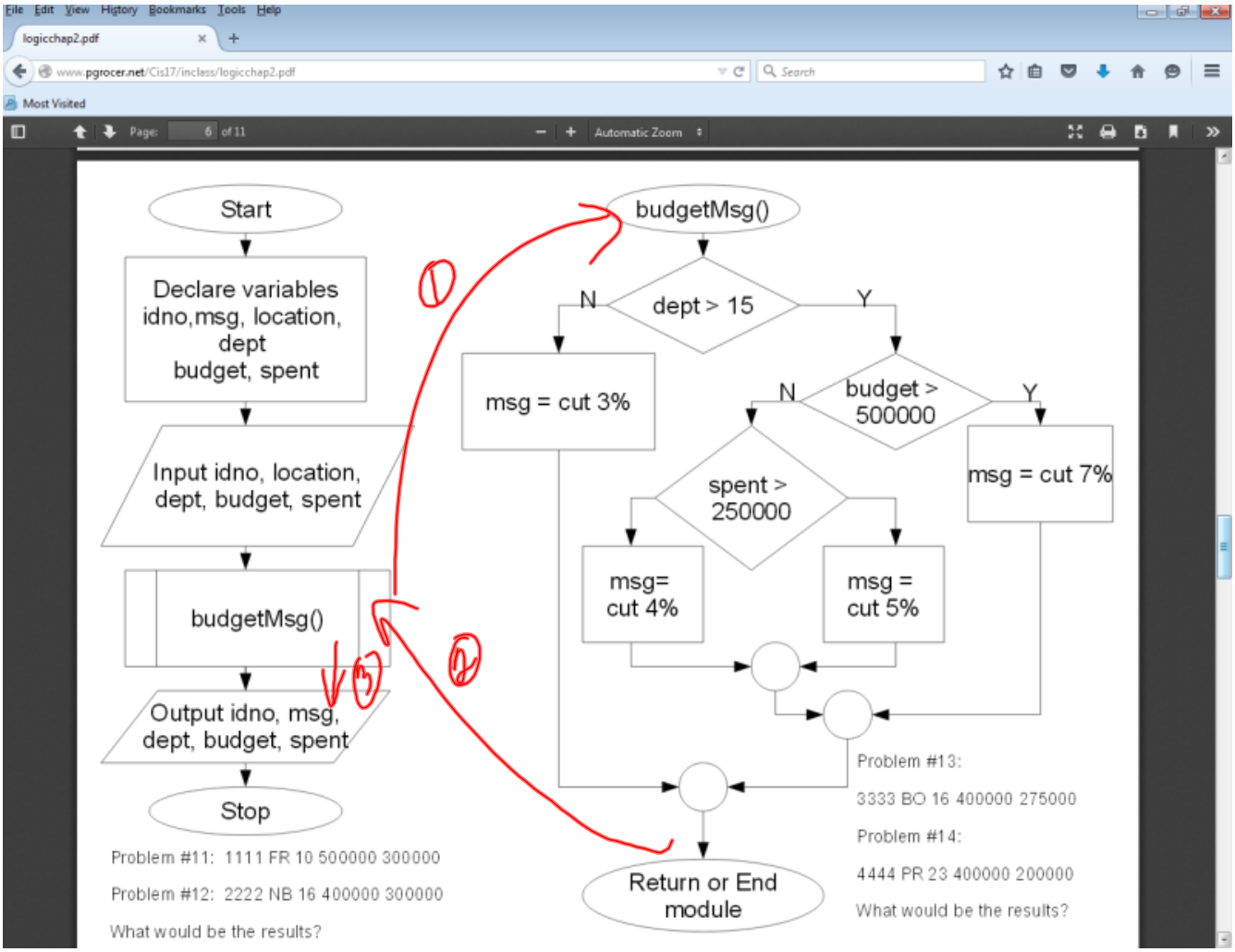
Week #5
Week of October 5th
Separate speaker notes to accompany presentation on logical if structures
Please look at this PowerPoint on loops and repetition:
Presentation on structure (focus on loops)
Separate speaker notes to accompany presentation structure (focus on loops)
Assignments:
In class logic exercise If you were not in class (proved by signing the list) you need to do this check off assignment and send it to me. Follow the logic flowchart and process the input, then tell me the output.
Logic PowerPoint assignment
Flowchart and Pseudocode assignment This is a quiz - however it is not due until next Thursday (October 15th) when homework is due - you need to work on it individually because it is a quiz (that also means no resubmit). This quiz also counts more than the quick quizzes - guess I should have called it a test. It counts like a high-end homework.
Week #4
Week of September 28th
Carolyn will be available Tues 2 - 3 and Thurs 2 - 4, I will come and go. I have an office hours Mon at 10 in my office.
Next I want you to move on and read chapter #3 and look at those videos as well. Please work on relating what we are doing in class to the textbook.
This is Enrollment Verification week and I have to verify you are in the class. If you have not passed in work or the email a week verifying you are in the class, then you need to contact me now to make sure you are not withdrawn from the class.
Please listen to this video and read this handout about note taking.
Note taking video
Cornell method of note taking is the specific one to read. I also suggest checking out the other links on this page.
This is not assignment even though it says it is. We are going to do it in class. For online students you should definitely take the time to go over this because it deals with flowcharts and Access.
Access SQL project (document version)
Books database with SQL version
SQL code (document version)This is a copy of the SQL code in case it gets messed up
We will start looking at logic and will work on the practice exercise below.
Practice exercise:
Practice exercise
Practice continued
Presentation on using pseudocode to play computer
Separate speaker notes to accompany presentation on using pseudocode to play computer
Assignments:
Quiz #2Usually quizzes are due in 3 days but since I am going away this weekend we will make the due date October 5th. If you have questions, let me know.
Logic Assignment
Check back!
Help: Carolyn will be available Tues at 2 and Thurs at 2 until 4 in K101. I will be joining her when I can.
If you need help with something, now would be the time to ask your questions!
Read chapter #1 in the text book. Be sure to watch the videos that go with the chapter (note there are 5 with a time of about 4 minutes each or less). You can download the videos from Cengage Chapter 1 videos
Directions for downloading Access are located under Notes and Handouts.
Next I want you to move on and read chapter #2 and look at those videos as well.
Check back to see what we are doing on Thursday.
Assignments:
12:32 PM
10/8/2015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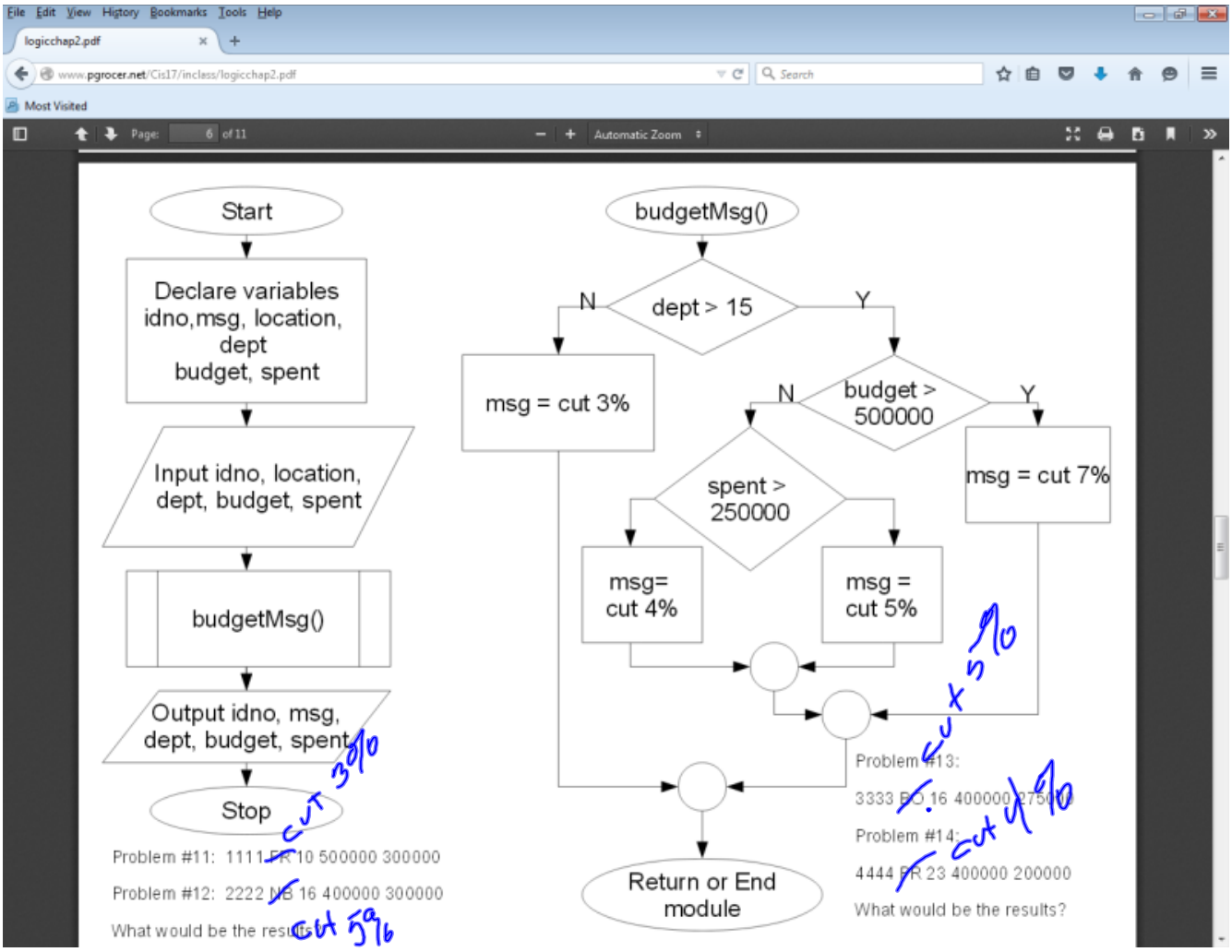
Automatic Zoom
Start
Declare variables idno,msg, location, dept budget, spent
Input idno, location, dept, budget, spent
budgetMsg()
Output idno, msg, dept, budget, spent
Stop
budgetMsg()
dept > 15
N
Y
msg = cut 3%
budget > 500000
N
Y
msg = cut 7%
spent > 250000
msg= cut 4%
msg = cut 5%
Return or End module
Problem #11: 1111 FR 10 500000 300000
Problem #12: 2222 NB 16 400000 300000
What would be the results?
Problem #13:
3333 BO 16 400000 275000
Problem #14:
4444 PR 23 400000 200000
What would be the results?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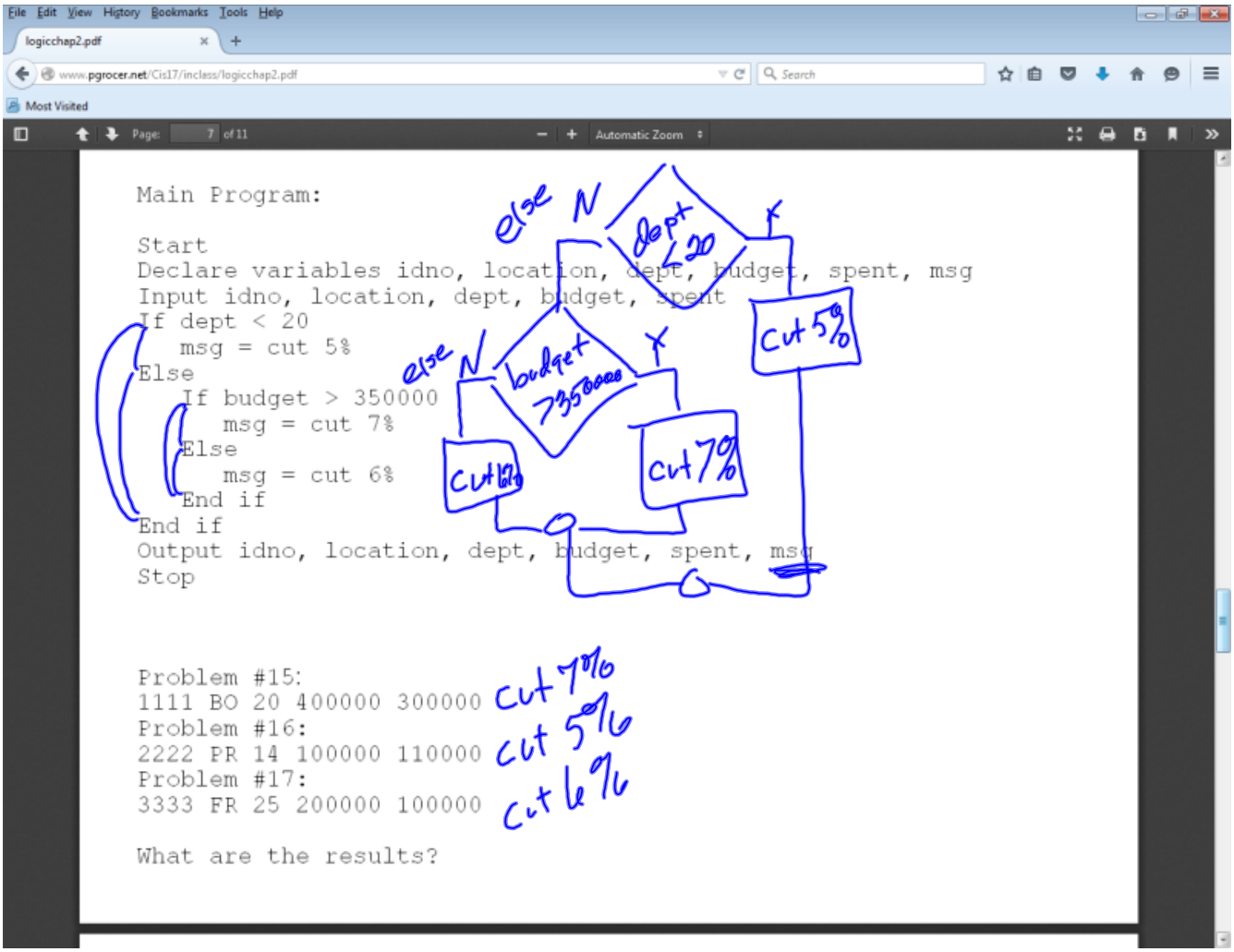
Automatic Zoom
Start
Declare variables idno,msg, location, dept budget, spent
Input idno, location, dept, budget, spent
budgetMsg()
Output idno, msg, dept, budget, spent
Stop
Problem #11: 1111 FR 10 500000 300000
Problem #12: 2222 MB 16 400000 300000
What would be the results?
budgetMsg()
dept > 15
N
Y
msg = cut 3%
budget > 500000
N
Y
msg = cut 7%
spent > 250000
msg= cut 4%
msg = cut 5%
Return or End module
Problem #13:
Problem #14:
4444 FR 23 400000 200000
What would be the results?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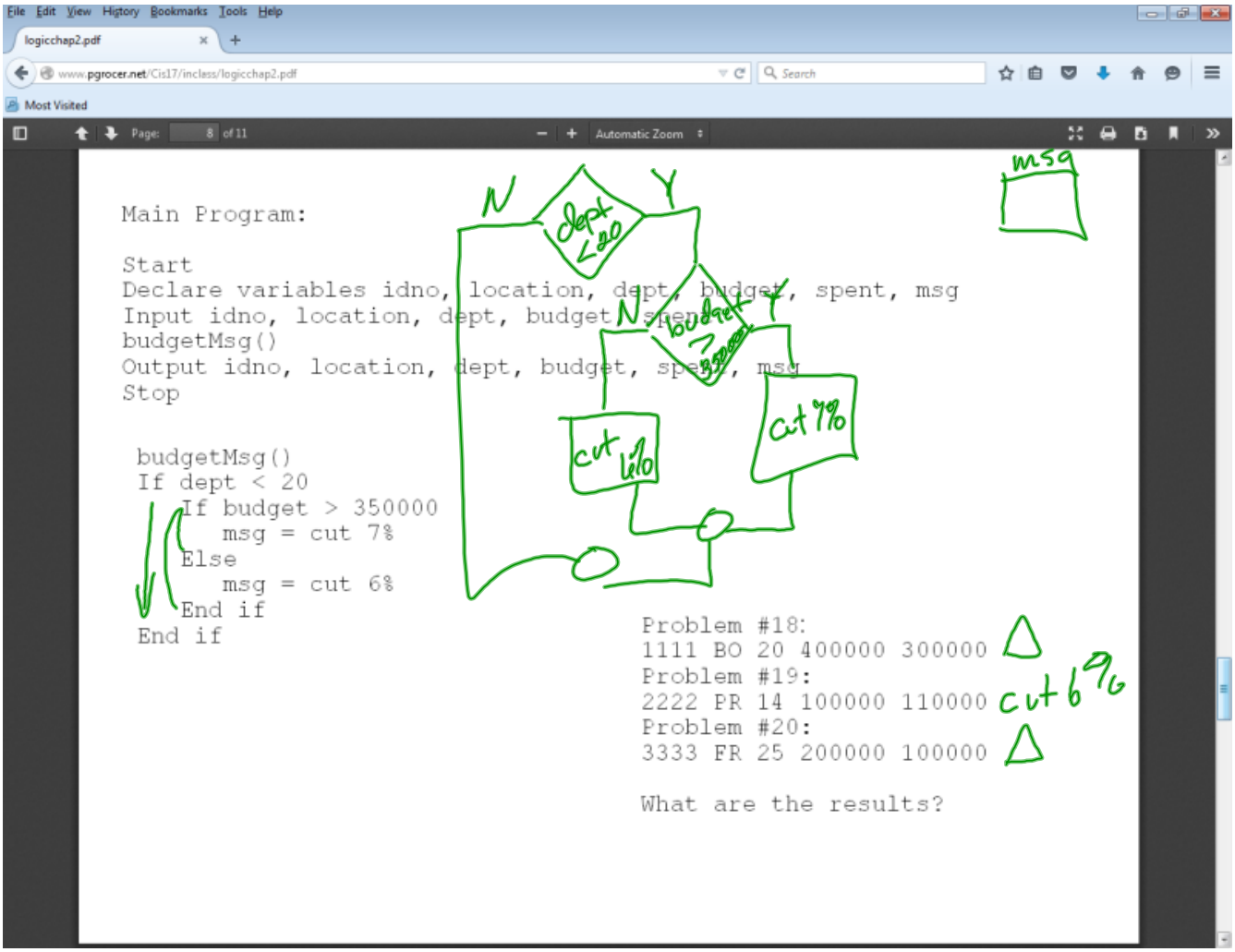
Main Program:
Start
Declare variables idno, location, dept, budget, spent, msg
Input idno, location, dept, budget, spent
If dept < 20
msg = cut 5%
Else
If budget > 350000
msg = cut 7%
Else
msg = cut 6%
End if
End if
Output idno, location, dept, budget, spent, msg
Stop
else
N
dept < 20
Y
Cut 5%
else
N
budget 350000
Y
Cut 6%
Cut 7%
Problem #15:
1111 BO 20 400000 300000
Problem #16:
2222 PR 14 100000 110000
Problem #17:
3333 FR 25 200000 100000
What are the results?
Cut 7%
Cut 5%
Cut 6%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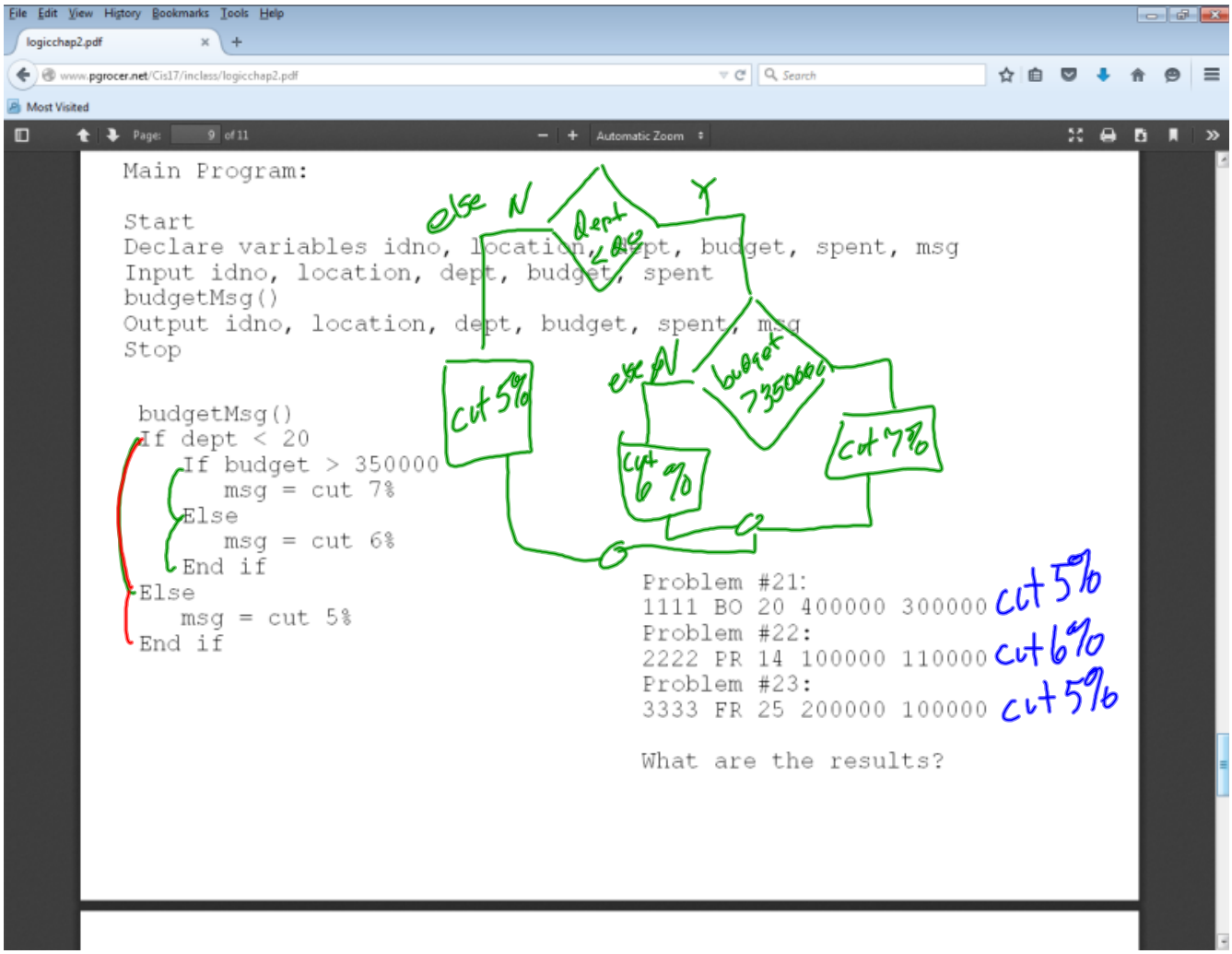
Main Program:
Start
Declare variables idno, location, dept, budget, spent, msg
Input idno, location, dept, budget, spent
budgetMsg()
Output idno, location, dept, budget, spent, msg
Stop
budgetMsg()
If dept < 20
If budget > 350000
msg = cut 7%
Else
msg = cut 6%
End if
End if
N
Y
dept < 20
budget > spent
cut 7%
cut 6%
msg
Problem #18:
1111 BO 20 400000 300000
Problem #19:
2222 PR 14 100000 110000
Problem #20:
3333 FR 25 200000 100000
What are the results?
cut 6%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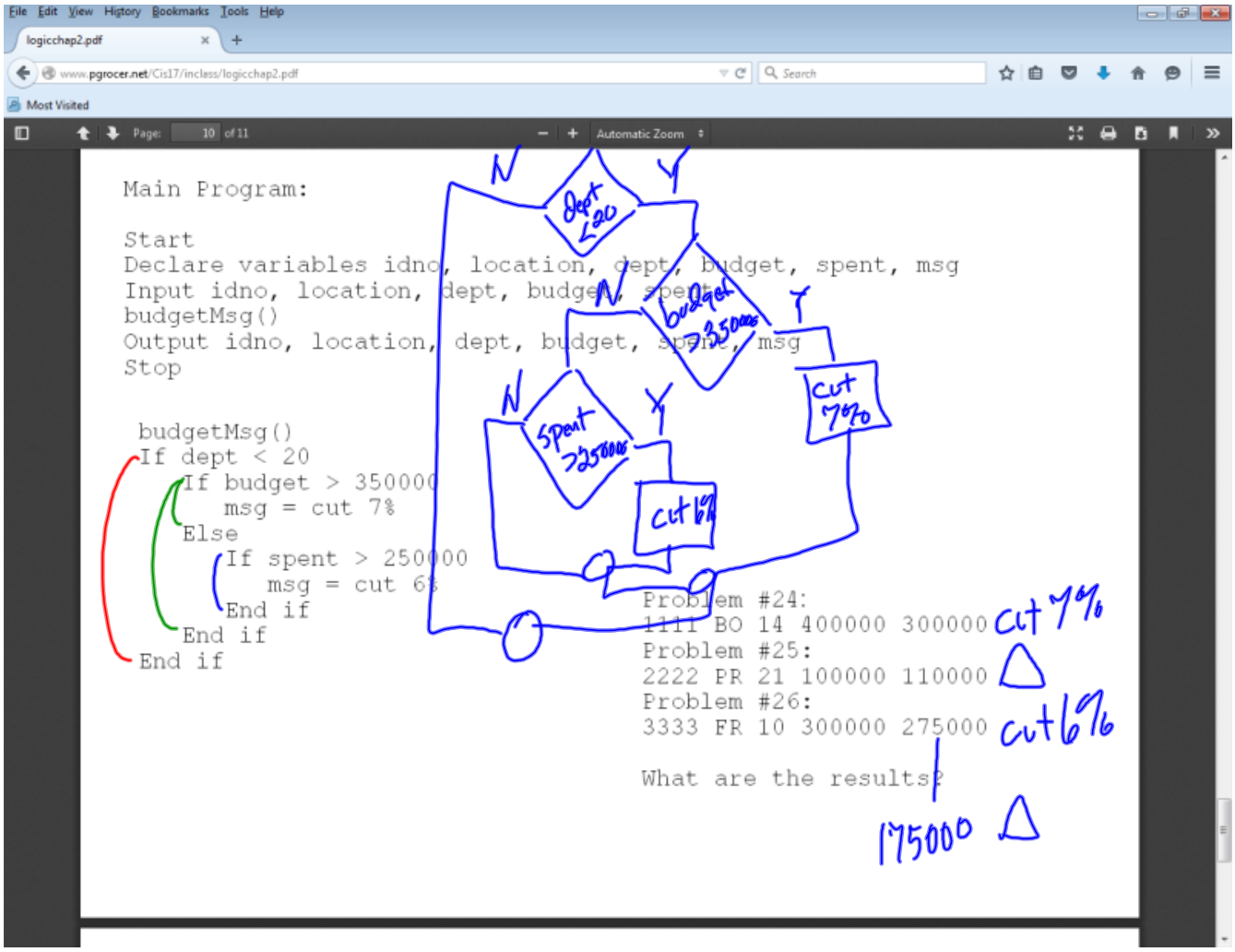
Main Program:
Start
Declare variables idno, location, dept, budget, spent, msg
Input idno, location, dept, budget, spent
budgetMsg()
Output idno, location, dept, budget, spent, msg
Stop
budgetMsg()
If dept < 20
If budget > 350000
msg = cut 7%
Else
msg = cut 6%
End if
Else
msg = cut 5%
End if
else N
dept < 20
Y
cut 5%
else N
budget > 350000
cut 6%
cut 7%
Problem #21:
1111 BO 20 400000 300000 cut 5%
Problem #22:
2222 PR 14 100000 110000 cut 6%
Problem #23:
3333 FR 25 200000 100000 cut 5%
What are the results?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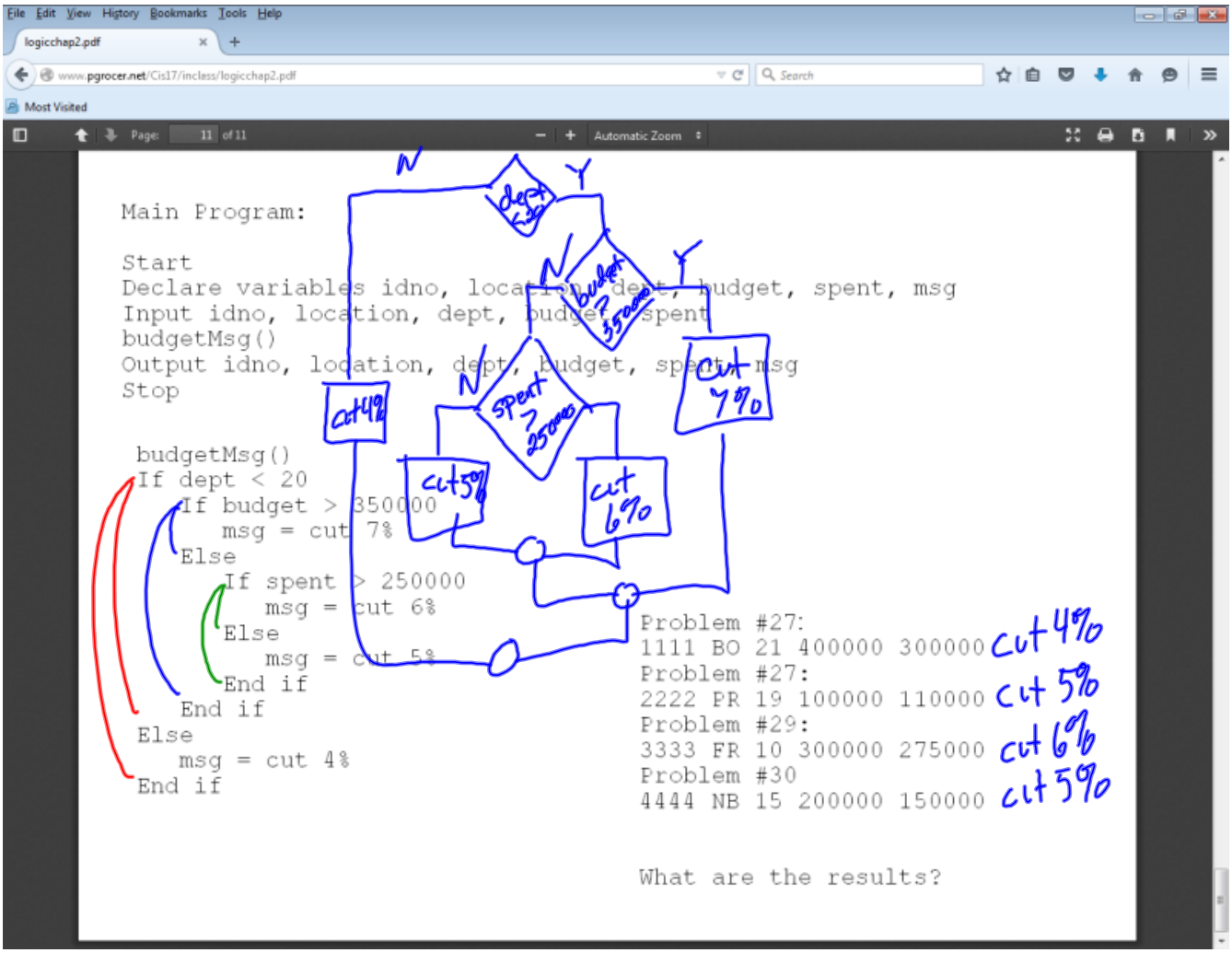
Main Program:
Start
Declare variables idno, location, dept, budget, spent, msg
Input idno, location, dept, budget, spent
budgetMsg()
Output idno, location, dept, budget, spent, msg
Stop
budgetMsg()
If dept < 20
If budget > 350000
msg = cut 7%
Else
If spent > 250000
msg = cut 6%
End if
End if
End if
N
Y
Dept < 20
budget > 350000
spent > 250000
cut 7%
cut 6%
Problem #24:
1111 BO 14 400000 300000
Problem #25:
2222 PR 21 100000 110000
Problem #26:
3333 FR 10 300000 275000
What are the results?
cut 7%
cut 6%
175000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Most Visited
Page: 11 of 11
Automatic Zoom
Main Program:
Start
Declare variables idno, location, dept, budget, spent, msg
Input idno, location, dept, budget, spent
budgetMsg()
Output idno, location, dept, budget, spent, msg
Stop
budgetMsg()
If dept < 20
If budget > 350000
msg = cut 7%
Else
If spent > 250000
msg = cut 6%
Else
msg = cut 5%
End if
End if
Else
msg = cut 4%
End if
N
Y
dept < 20
budget > 350000
spent > 250000
cut 4%
cut 5%
cut 6%
cut 7%
Problem #27:
1111 BO 21 400000 300000 cut 4%
Problem #27:
2222 PR 19 100000 110000 cut 5%
Problem #29:
3333 FR 10 300000 275000 cut 6%
Problem #30
4444 NB 15 200000 150000 cut 5%
What are the results?

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Logic Flowchart and Pseudoco...

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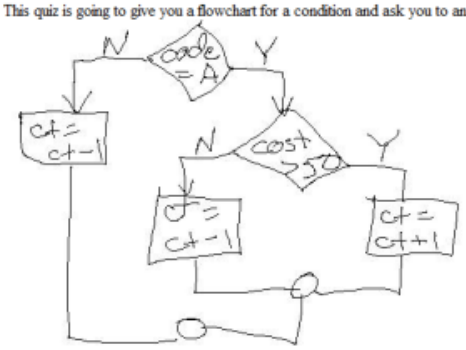
Logic Flowchart and Pseudocode Quiz

This quiz is going to give you a flowchart for a condition and ask you to answer questions about it.



ct code cost

~~10~~ 1 | A | ~~25~~ 100

Problem #1: Assume the following:

- 1 will be put into the memory variable ct
- A will be put into the memory variable code
- 25 will be put into the memory variable cost

After following the logic in the flowchart, what will be in the memory variable ct? 0

Problem #2: Assume the following:

- the memory variable ct will contain your answer from problem #1
- A will be put into the memory variable code
- 100 will be put into the memory variable cost

After following the logic in the flowchart, what will be in the memory variable ct? 1

Problem #3: Assume the following:

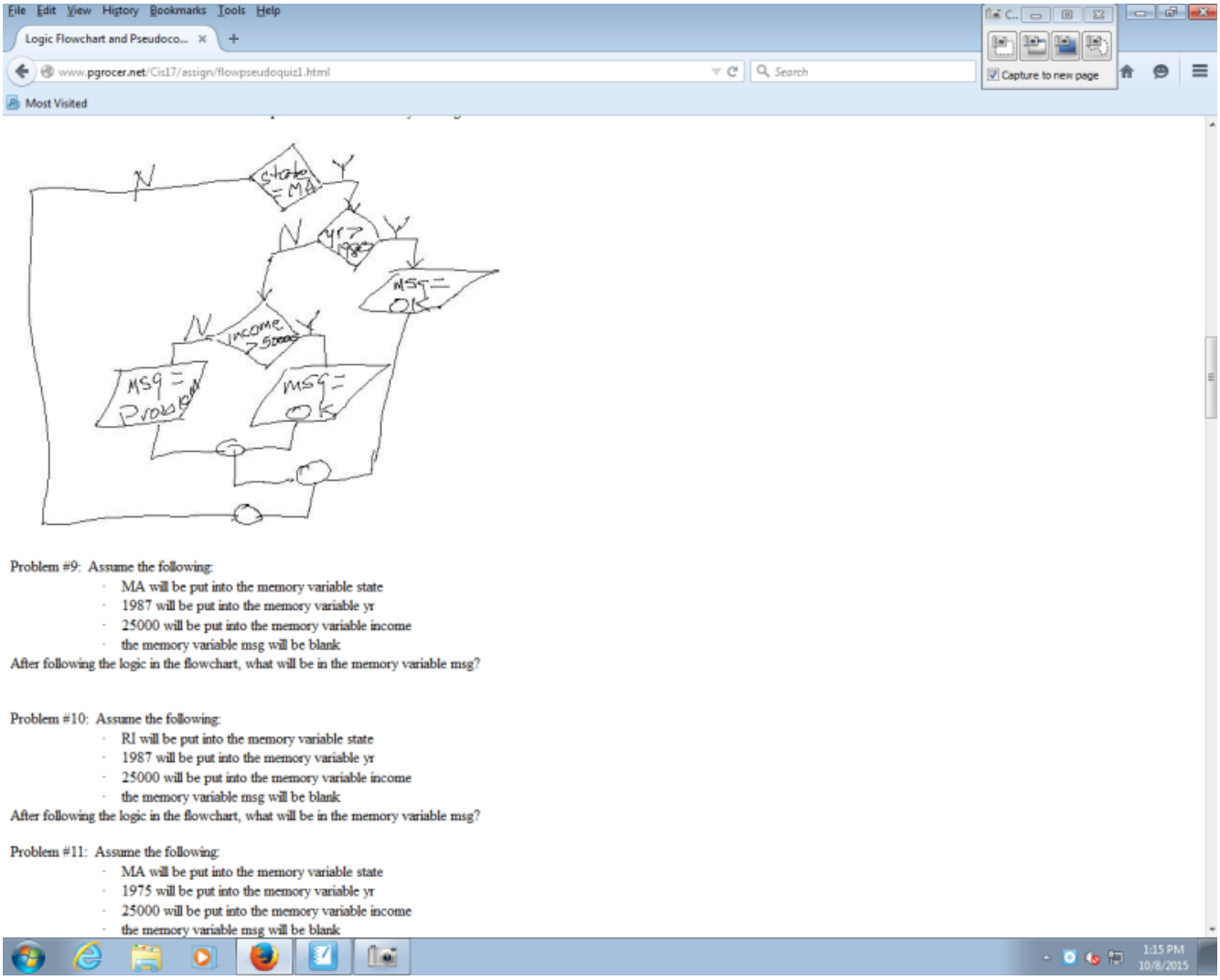
- the memory variable ct will contain your answer from problem #2
- B will be put into the memory variable code
- 200 will be put into the memory variable cost

After following the logic in the flowchart, what will be in the memory variable ct?

Problem #4: Assume the following:

- the memory variable ct will contain your answer from problem #3
- A will be put into the memory variable code
- 75 will be put into the memory variable cost

After following the logic in the flowchart, what will be in the memory variable ct?



Problem #9: Assume the following:

- MA will be put into the memory variable state
- 1987 will be put into the memory variable yr
- 25000 will be put into the memory variable income
- the memory variable msg will be blank

After following the logic in the flowchart, what will be in the memory variable msg?

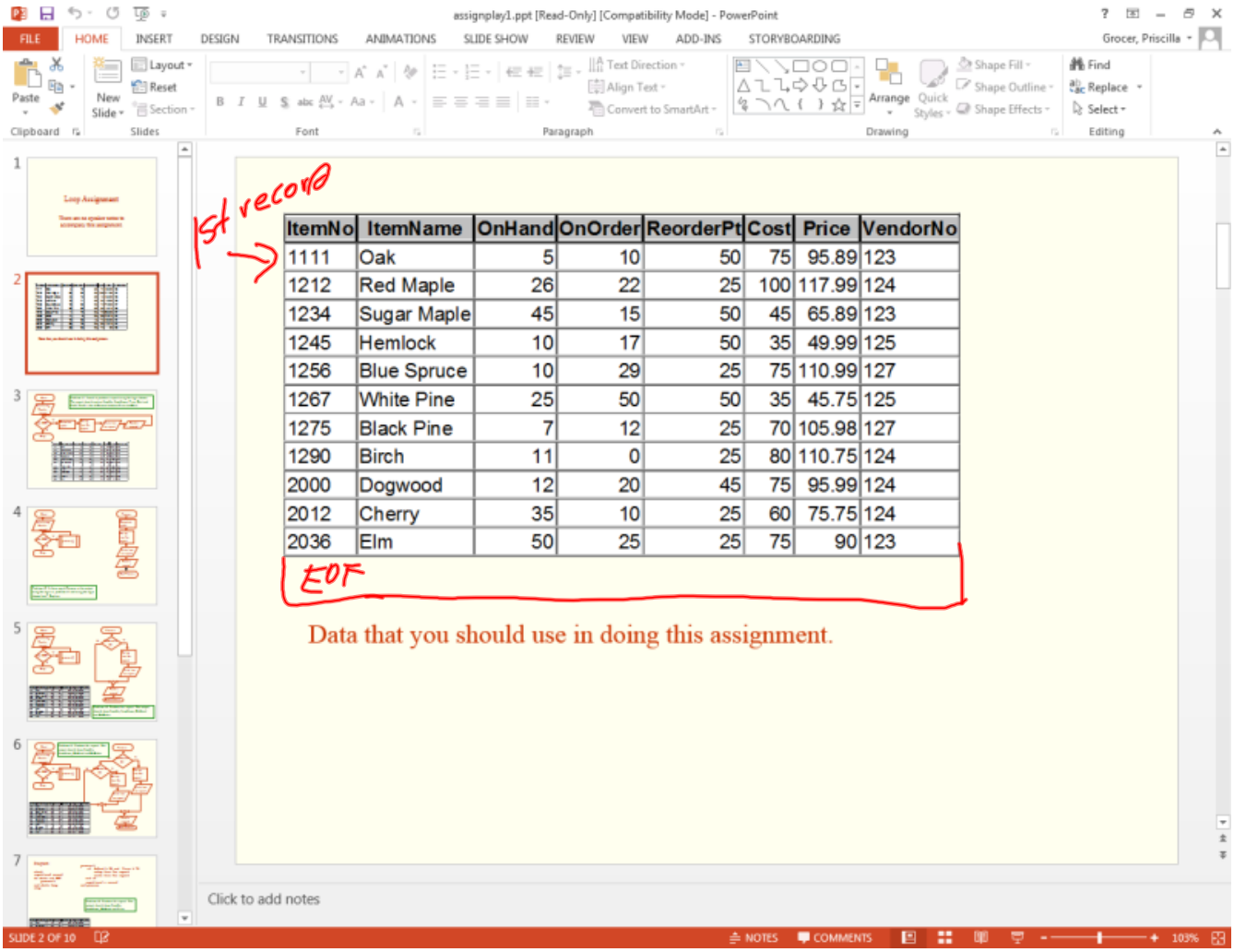
Problem #10: Assume the following:

- RI will be put into the memory variable state
- 1987 will be put into the memory variable yr
- 25000 will be put into the memory variable income
- the memory variable msg will be blank

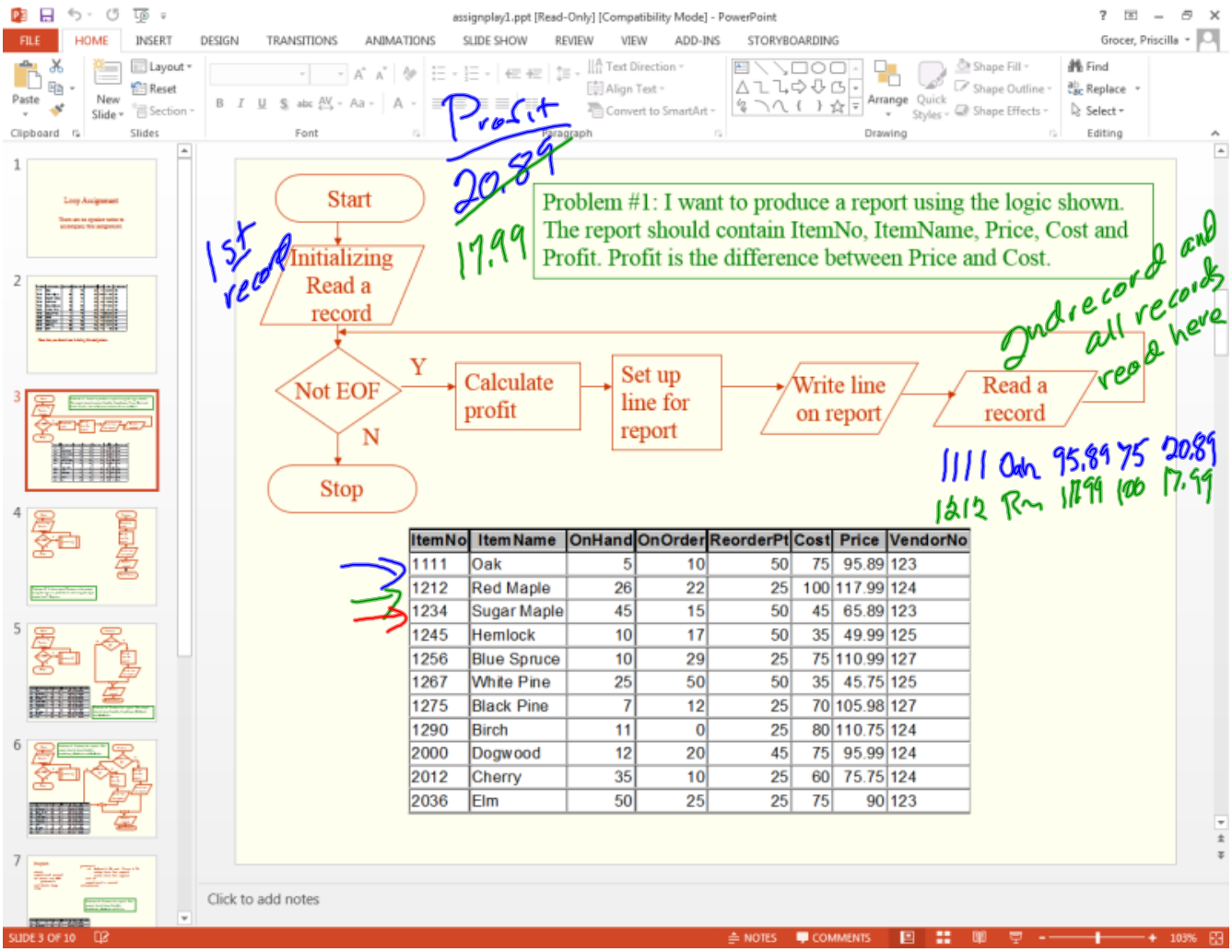
After following the logic in the flowchart, what will be in the memory variable msg?

Problem #11: Assume the following:

- MA will be put into the memory variable state
- 1975 will be put into the memory variable yr
- 25000 will be put into the memory variable income
- the memory variable msg will be blank



ItemNo	ItemName	OnHand	OnOrder	ReorderPt	Cost	Price	VendorNo
1111	Oak	5	10	50	75	95.89	123
1212	Red Maple	26	22	25	100	117.99	124
1234	Sugar Maple	45	15	50	45	65.89	123
1245	Hemlock	10	17	50	35	49.99	125
1256	Blue Spruce	10	29	25	75	110.99	127
1267	White Pine	25	50	50	35	45.75	125
1275	Black Pine	7	12	25	70	105.98	127
1290	Birch	11	0	25	80	110.75	124
2000	Dogwood	12	20	45	75	95.99	124
2012	Cherry	35	10	25	60	75.75	124
2036	Elm	50	25	25	75	90	123



ItemNo	ItemName	OnHand	OnOrder	ReorderPt	Cost	Price	VendorNo
1111	Oak	5	10	50	75	95.89	123
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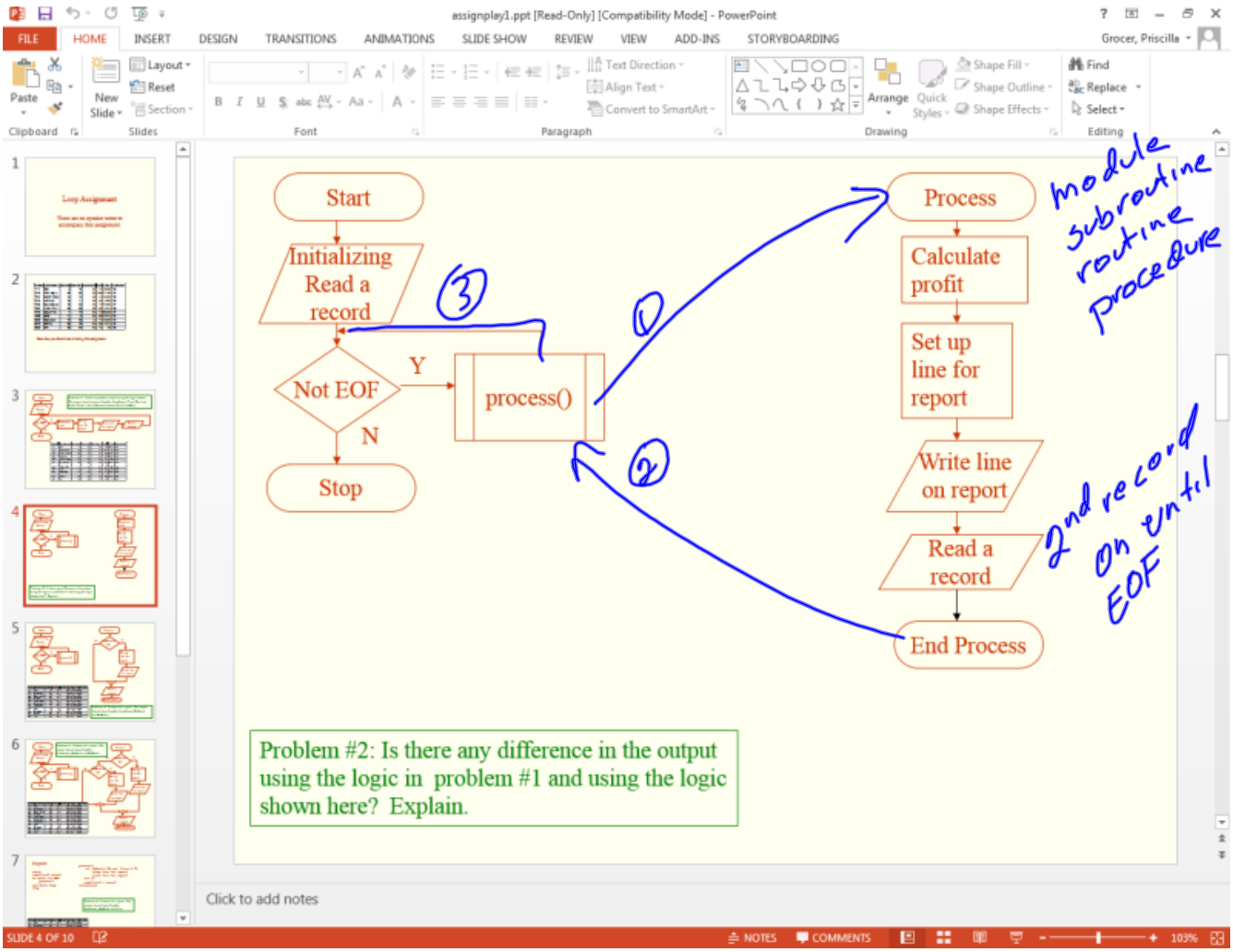
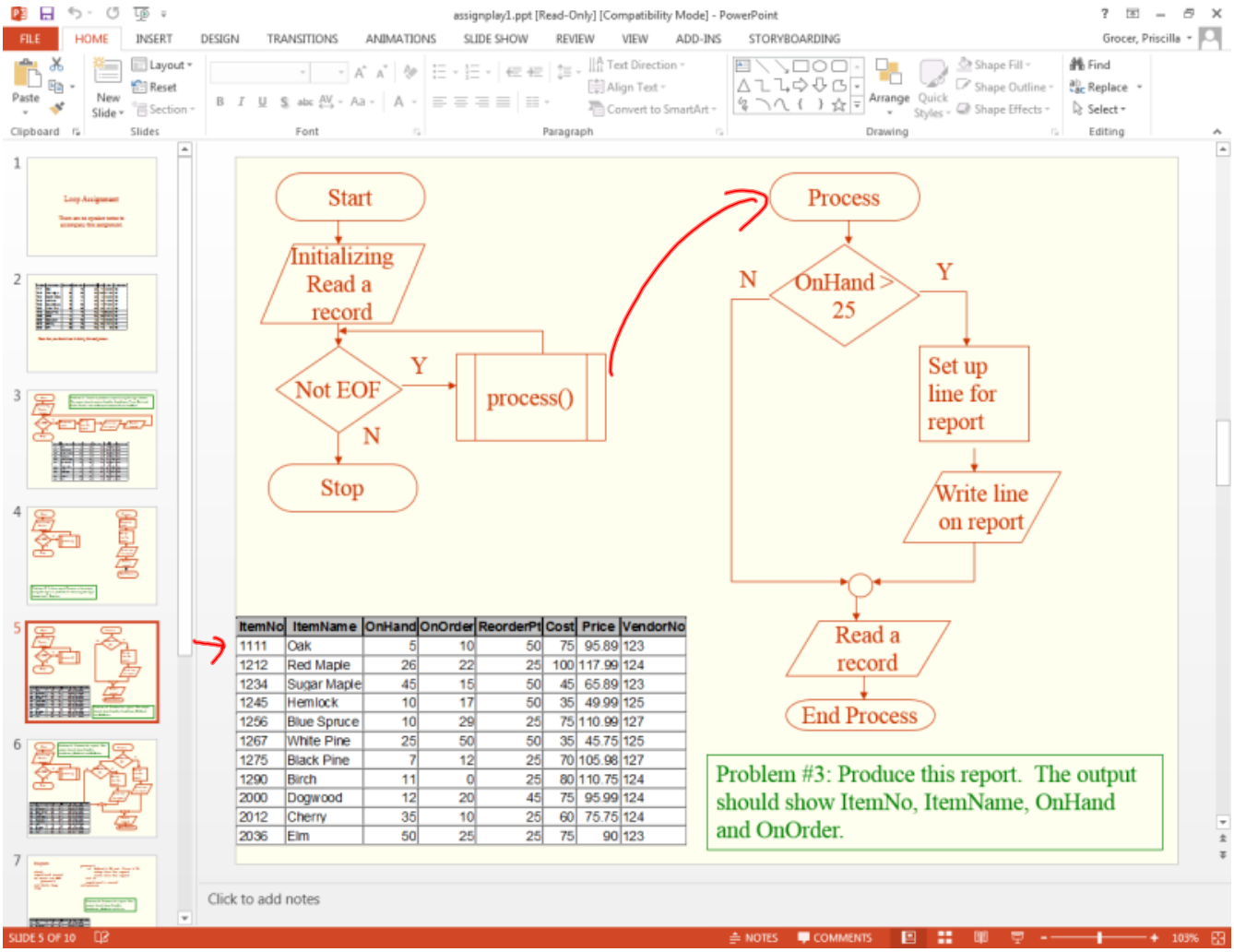
1256	Blue Spruce	10	29	25	75	110.99	127
1267	White Pine	25	50	50	35	45.75	125
1275	Black Pine	7	12	25	70	105.98	127
1290	Birch	11	0	25	80	110.75	124
2000	Dogwood	12	20	45	75	95.99	124
2012	Cherry	35	10	25	60	75.75	124
2036	Elm	50	25	25	75	90	123


assignplay1.ppt [Read-Only] [Compatibility Mode] - PowerPoint
Start
Initializing Read a record
Not EOF
Y
N
process()
Stop
Process
Calculate profit
Set up line for report
Write line on report
Read a record
End Process
module subroutine routine procedure
2nd record on until EOF
Problem #2: Is there any difference in the output using the logic in problem #1 and using the logic shown here? Explain.
Click to add notes



ItemNo	ItemName	OnHand	OnOrder	ReorderPt	Cost	Price	VendorNo
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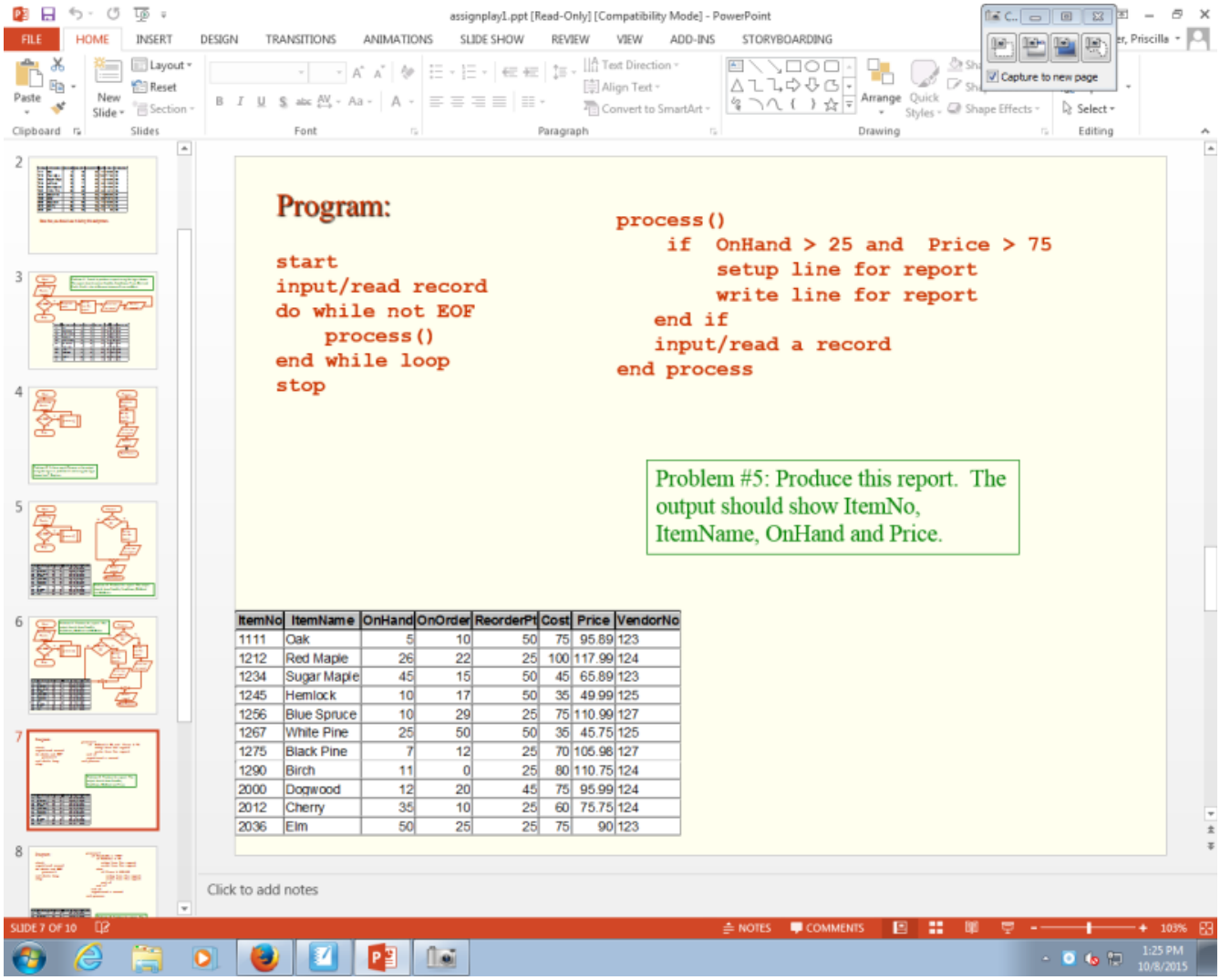
1267	White Pine	25	50	50	35	45.75	125
1275	Black Pine	7	12	25	70	105.98	127
1290	Birch	11	0	25	80	110.75	124
2000	Dogwood	12	20	45	75	95.99	124
2012	Cherry	35	10	25	60	75.75	124
2036	Elm	50	25	25	75	90	123



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