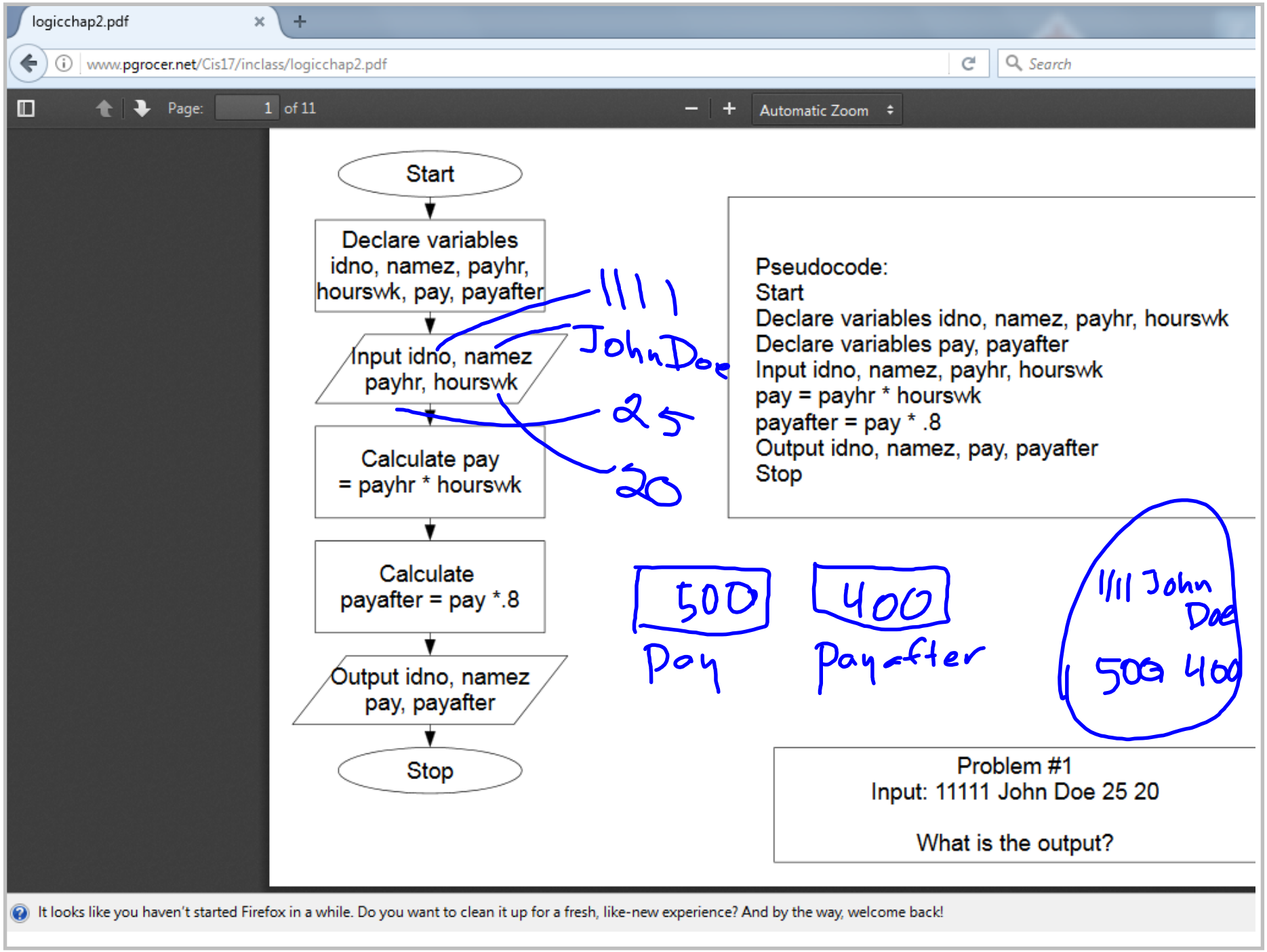
For some reason the images from looking at the If Statements flowcharts and pseudocode Powerpoint presentation. So please go through that presentation as you listen to the first part of the audio.

We did not look at the Powerpoint on loops - that is for Thursday.

We then looked at problems in the Logic exercise. Students in class need to do the problems we did not cover in class. Students who are taking the course on line or who were not in the class need to do all of the problems.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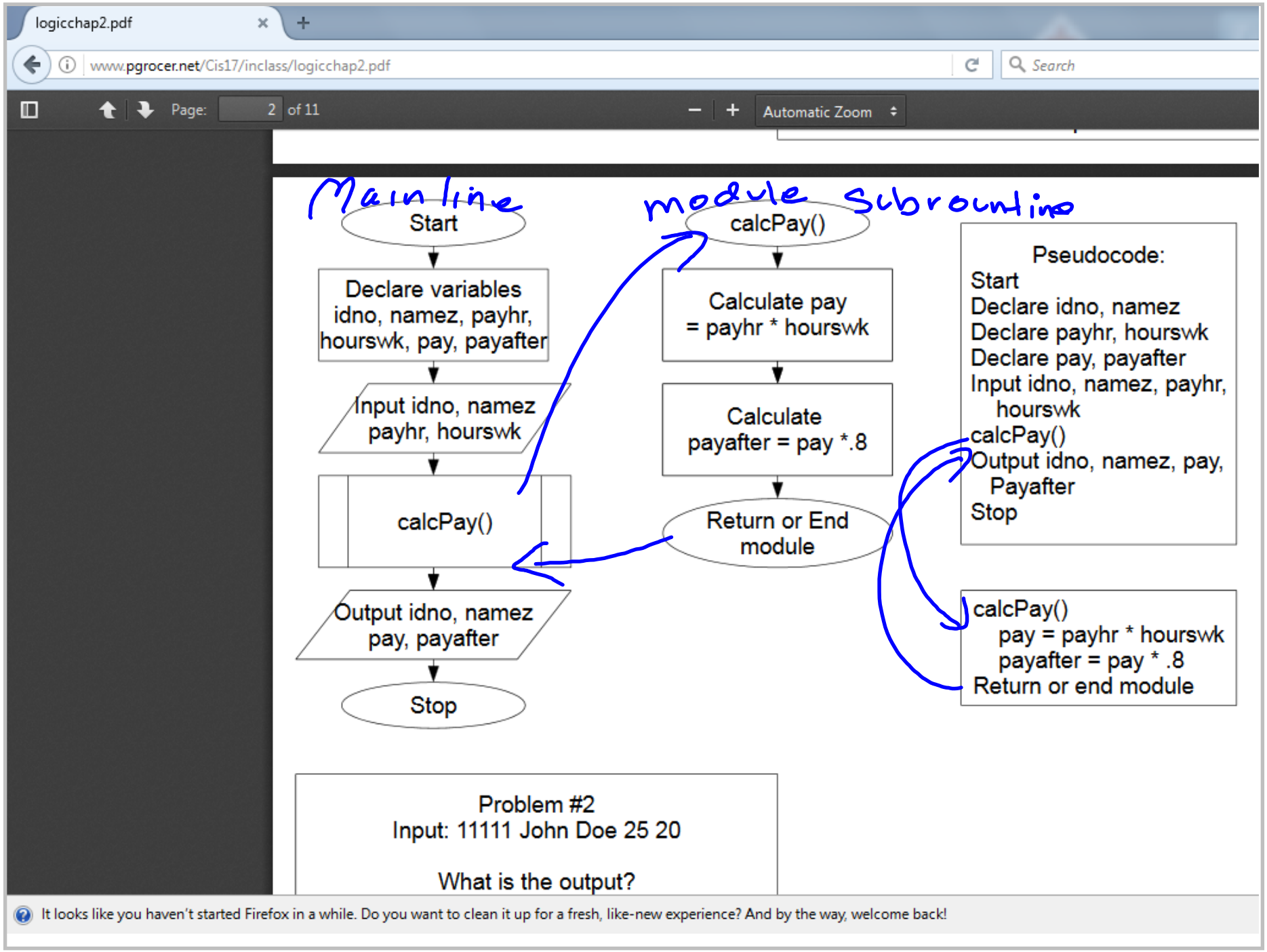
Automatic Zoom
Start
Declare variables idno, namez, payhr, hourswk, pay, payafter
Input idno, namez payhr, hourswk
Calculate pay = payhr * hourswk
Calculate payafter = pay *.8
Output idno, namez pay, payafter
Stop
Pseudocode:
Start
Declare variables idno, namez, payhr, hourswk
Declare variables pay, payafter
Input idno, namez, payhr, hourswk
pay = payhr * hourswk
payafter = pay * .8
Output idno, namez, pay, payafter
Stop
11111
JohnDoe
25
20
500
Pay
400
Payafter
11111 John Doe
500 400
Problem #1
Input: 11111 John Doe 25 20
What is the output?
It looks like you haven't started Firefox in a while. Do you want to clean it up for a fresh, like-new experience? And by the way, welcome back!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Mainline
Start
Declare variables idno, namez, payhr, hourswk, pay, payafter
Input idno, namez payhr, hourswk
calcPay()
Output idno, namez pay, payafter
Stop
module Subroutine
calcPay()
Calculate pay = payhr * hourswk
Calculate payafter = pay *.8
Return or End module
Pseudocode:
Start
Declare idno, namez
Declare payhr, hourswk
Declare pay, payafter
Input idno, namez, payhr, hourswk
calcPay()
Output idno, namez, pay, Payafter
Stop
calcPay()
pay = payhr * hourswk
payafter = pay * .8
Return or end module
Problem #2
Input: 11111 John Doe 25 20
What is the output?
It looks like you haven't started Firefox in a while. Do you want to clean it up for a fresh, like-new experience? And by the way, welcome back!

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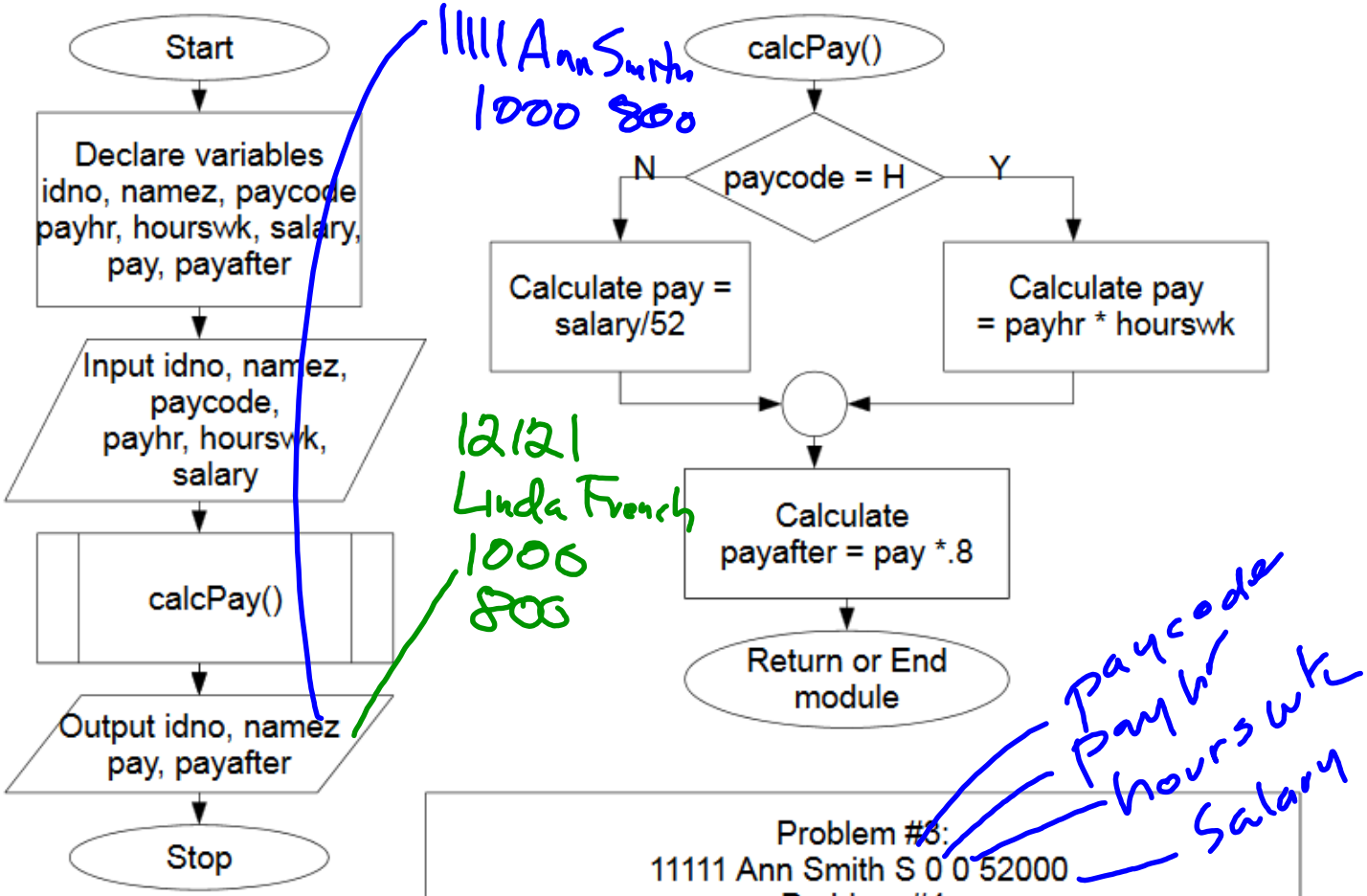

It looks like you haven't started Firefox in a while. Do you want to clean it up for a fresh, like-new experience? And by the way, welcome back!

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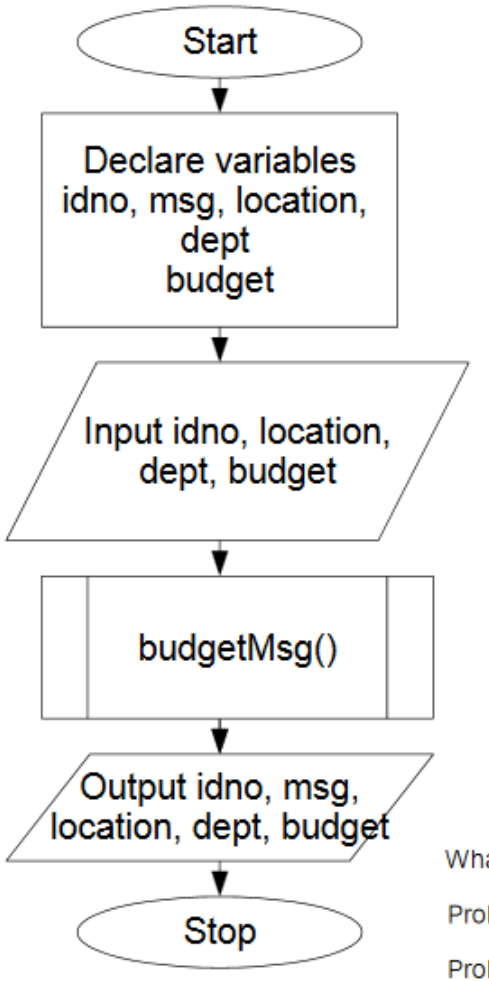
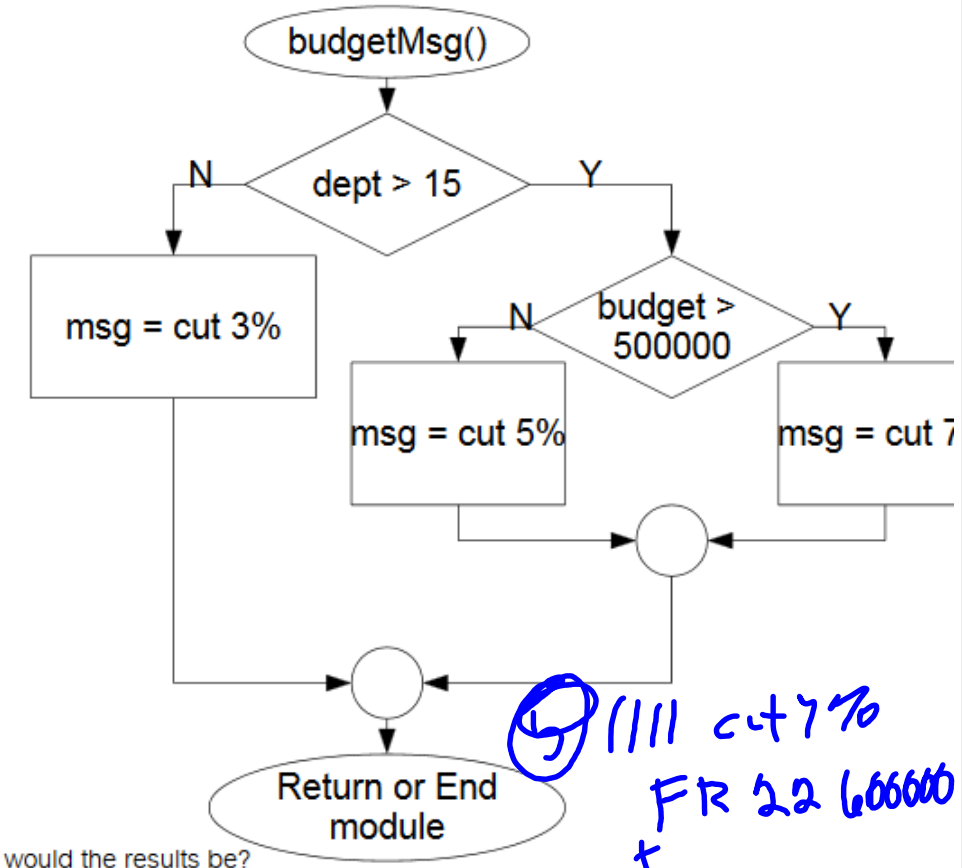




What would the results be?

Problem #5: 1111 FR 22 600000

Problem #6: 1212 PR 19 400000

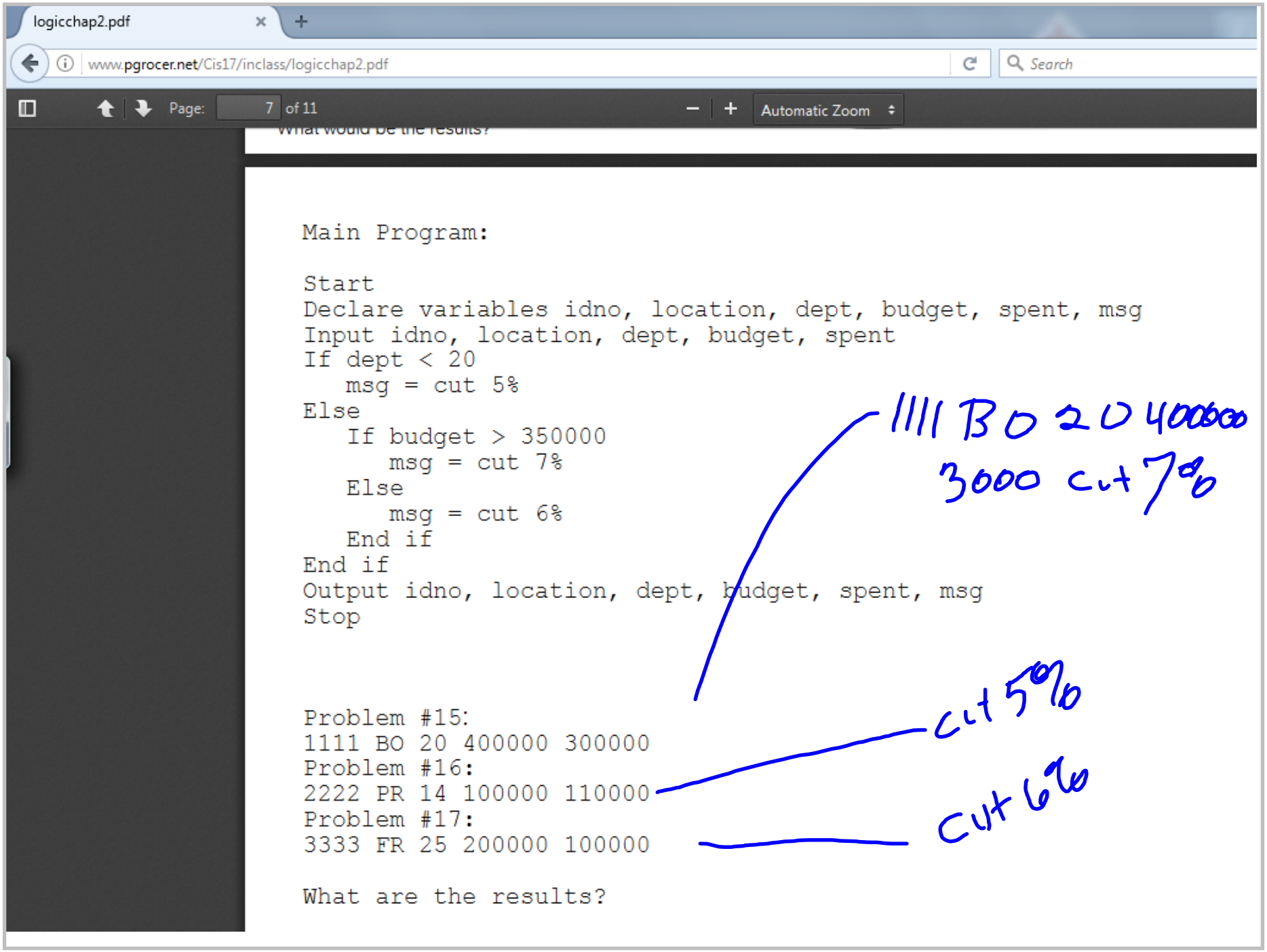
Problem #7: 2222 NB 14 300000

(5) 1111 cut 7%
FR 22 600000

(6) cut 5%

(7) 3%

Title: Feb 28-12:01 PM (5 of 8)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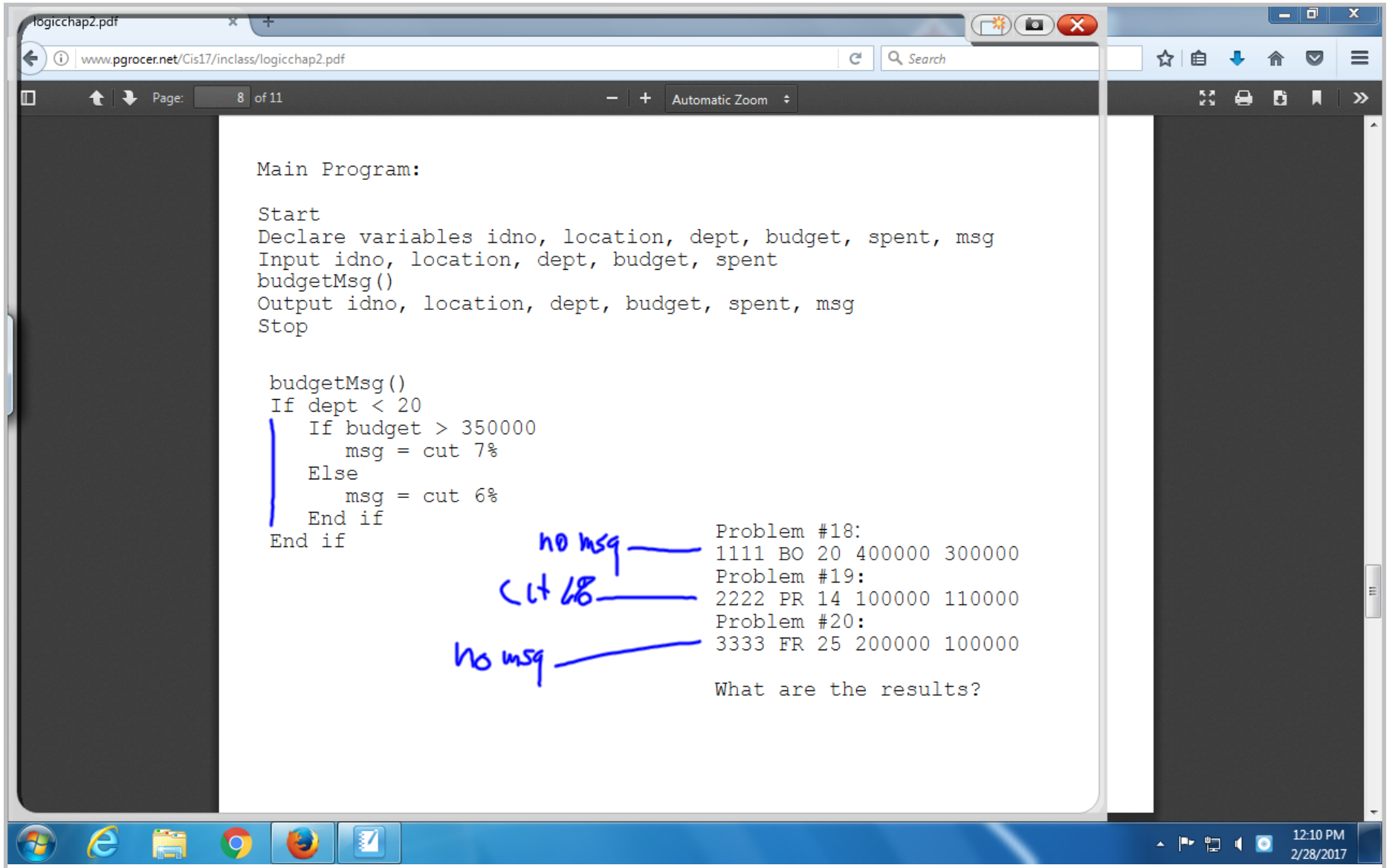
Automatic Zoom
What would be the results?
Main Program:
Start
Declare variables idno, location, dept, budget, spent, msg
Input idno, location, dept, budget, spent
If dept < 20
msg = cut 5%
Else
If budget > 350000
msg = cut 7%
Else
msg = cut 6%
End if
End if
Output idno, location, dept, budget, spent, msg
Stop
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?
1111 BO 20 400000
3000 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
no msg
cut 6%
no 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?
12:10 PM
2/28/2017

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
```

5%
6%
5%

Problem #21:
1111 BO 20 400000 300000
Problem #22:
2222 PR 14 100000 110000
Problem #23:
3333 FR 25 200000 100000

What are the results?