

COMP 348: Principles of Programming
Languages
Assignment no.1

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1 Example to demonstrate LaTeX

Here is an example for the latex file

```
all_sections(CNAM, CNUM, L) :-  
findall(L, takes_course(_, CNAM, CNUM, L), X),  
sort(X, L).
```

2 Question 10

2.1 A. Implement the circuit

The detailed implementation is in file *question-10.pl*

2.2 B. Query to calculate the outputs for S and C

```
?- circuit(0, _, S, C).
```

The output is as following:

```
S = 1,  
C = 0;  
S = C, C = 0 ;  
false
```
