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CSCI 4640, Fall 2015

Asignment 1 – Extended Micro Grammer

1. <program> 🡪 **begin** <stmt list> **end**
2. <stmt list> 🡪 <statement> | <statement> <stmt list>
3. <statement> 🡪 Id := <expression>;
4. <statement> 🡪 **read** (<id list>);
5. <statement> 🡪 **write** (<expr list>);
6. <id list> 🡪 Id | Id, <id list>
7. <expr list> 🡪 <expression> | <expression>, <expr list>
8. <bool expression> 🡪 <expression> = <expression>
9. <expression> 🡪 <factor> | <factor> + <expression> | <factor> - <expression>
10. <factor> 🡪 <exponential> | <exponential> \*<factor>
11. <exponential> 🡪 <primary> | <primary> \*\* <exponential>
12. <primary> 🡪 Id
13. <primary> 🡪 IntLiteral
14. <primary> 🡪 (<expression>)
15. <add op> 🡪 + | -
16. <mult op> 🡪 \*
17. <exp op> 🡪 \*\*
18. <system goal> 🡪 <program>$