Write a bison compatible grammar to implement the following table. Note precedence 1 is highest precedence. Your solutions must be typed and submitted to blackboard as a Word document or PDF.

|  |  |  |
| --- | --- | --- |
| Precedence | Operators | Associativity |
| 1 | ( expr ) | N/A |
| 1 | INT\_VAL | N/A |
| 2 | / \* % | Left |
| 3 | + - | Left |
| 4 | ^ | Right |
| 5 | == | Left |
| 6 | ^^ | Left |

expr: expr “^^” equals {}

| equals {}

equals: equals “==” pow {}

| pow {}

pow: addit ‘^’ pow {}

| addit {}

addit: addit ‘+’ term {}

| addit ‘-’ term {}

| term {}

term: term ‘/’ fact {}

| term ‘\*’ fact {}

| term ‘%’ fact {}

| fact {}

fact: ‘(’ expr ‘)’ {}

| INT\_VAL {}