

Sheet1

| opr   | val   | input     | action |
|-------|-------|-----------|--------|
| \$    | \$    | (1+2)*3\$ | shift  |
| \$ (  | \$    | 1+2)*3\$  | shift  |
| \$ (  | \$1_  | +2)*3\$   | shift  |
| \$ (+ | \$1_  | 2)*3\$    | shift  |
| \$ (+ | \$1 2 | )*3\$     | reduce |
| \$ (  | \$3_  | *3\$      | shift  |
| \$    | \$3_  | *3\$      | shift  |
| \$ *  | \$3_  | 3\$       | shift  |
| \$ *  | \$3 3 | \$        | reduce |
| \$    | \$9_  | \$        | accept |

V1

|     |    | input  |        |       |        |        |
|-----|----|--------|--------|-------|--------|--------|
|     |    | +      | *      | (     | )      | \$     |
| opr | +  | reduce | shift  | shift | reduce | reduce |
|     | *  | reduce | reduce | shift | reduce | reduce |
|     | (  |        |        |       |        | error  |
|     | )  |        |        |       |        |        |
|     | \$ | reduce | reduce | error | reduce | accept |

V2

|     |    | input  |        |       |        |        |
|-----|----|--------|--------|-------|--------|--------|
|     |    | +      | *      | (     | )      | \$     |
| opr | +  | reduce | shift  | shift | reduce | reduce |
|     | *  | reduce | reduce | shift | reduce | reduce |
|     | (  | shift  | shift  | shift | shift  | error  |
|     | )  | reduce | reduce | error | reduce | reduce |
|     | \$ | shift  | shift  | shift | error  | accept |

V2

|     |    | input |   |   |   |    |
|-----|----|-------|---|---|---|----|
|     |    | +     | * | ( | ) | \$ |
| opr | +  |       |   |   |   |    |
|     | *  |       |   |   |   |    |
|     | (  |       |   |   |   |    |
|     | )  |       |   |   |   |    |
|     | \$ |       |   |   |   |    |

V2

|     |     | input |    |   |   |    |
|-----|-----|-------|----|---|---|----|
|     |     | AND   | OR | ( | ) | \$ |
| opr | AND |       |    |   |   |    |
|     | OR  |       |    |   |   |    |
|     | (   |       |    |   |   |    |
|     | )   |       |    |   |   |    |
|     | \$  |       |    |   |   |    |