Valid:

E->E+E

E->E\*E

E->(E)

E->d

Enter the input string followed by $

d+d\*d$

STACK BUFFER ACTION

----- ------- ------

$ d+d\*d$ Shift

$d +d\*d$ Reduce E->d

$E +d\*d$ shift

$E+ d\*d$ shift

$E+d \*d$ Reduce E->d

$E+E \*d$ shift

$E+E\* d$ shift

$E+E\*d $ Reduce E->d

$E+E\*E $ Reduce E->E\*E

$E+E $ Reduce E->E+E

$E $ Valid

Invalid:

E->E+E

E->E\*E

E->(E)

E->d

Enter the input string followed by $

d+\*d$

STACK BUFFER ACTION

----- ------- ------

$ d+\*d$ Shift

$d +\*d$ Reduce E->d

$E +\*d$ shift

$E+ \*d$