CS3345 Exam 1

Question 6

Drew Pulliam – DTP18003

Convert [ a + b \* (c + d) + e ] to postfix

1. stack = , output = a
2. stack = + , output = a
3. stack = + , output = ab
4. stack = + \* , output = ab
5. stack = + \* ( , output = ab
6. stack = + \* ( , output = abc
7. stack = + \* ( + , output = abc
8. stack = + \* ( + , output = abcd
9. stack = + , output = abcd+\*+
10. stack = + , output = abcd+\*+e
11. stack = , output = abcd+\*+e+

Result = abcd+\*+e+