CODE:

```python
def balanced(s):

    pairs = {"{": "}", "(": ")", "[": "]"}

    stack = []

    for c in s:

        if c in "[{(":

            stack.append(c)

        elif stack and c == pairs[stack[-1]]:

            stack.pop()

        else:

            return False

    return len(stack) == 0




test_cases = ("({(a+b)})"), (")((a+b}"), ("((a+b))"),("(())"),("[a+b]*(x+2y)*{gg+kk}")

for s in test_cases:

    print(s, balanced(s))
```