Solved Problems

1. Calculate the values of the following expressions using Python:
   (a) $\dfrac{5+7}{5-7}$
   (b) $2^0 + 2^1 + 2^2 + 2^3 + 2^4$
   (c) $\dfrac{1}{1 + \dfrac{1 + \frac{1}{5}}{1 + 5}}$
   (d) 2^{3^4}

2. Write a Python script that prints out:

   ```
   ha
   haha
   hahaha
   hahahaha
   ```

3. Write a Python script that writes out:

   ```
   1
   2
   3
   4
   5
   ```