ANIMALS

Question 1

What is the airspeed velocity of an unladen swallow?

Question 2

How much wood would a woodchuck chuck if a woodchuck could chuck wood?

(a) Suppose "chuck" implies throwing.

(b) Suppose "chuck" implies vomiting.

STATISTICS

Question 3

Identify the author of Equation 1 below and briefly describe it in English.

$$P(A|B) = \frac{P(B|A)P(A)}{P(B)} \tag{1}$$

BONUS QUESTIONS

Question 4

The table below shows the nutritional consistencies of two sausage types. Explain their relative differences given what you know about daily adult nutritional recommendations.

Per 50g	Pork	Soy
Energy	760kJ	538kJ
Protein	7.0g	9.3g
Carbohydrate	0.0g	4.9g
Fat	16.8g	9.1g
Sodium	0.4g	0.4g
Fibre	0.0g	1.4g

Question 5

Listing 1: Luftballons Perl Script

```perl
#!/usr/bin/perl

use strict;
use warnings;

for (1..99) { print $_." Luftballons\n"; }

# This is a commented line

my $string = "Hello World!";

print $string."\n\n";

$string =~ s/Hello/Goodbye Cruel/;

print $string."\n\n";

finale();

exit;

sub finale { print "Fin.\n"; }
```

(a) How many luftballons will be output by the Listing 1 above?

Page 3 sur 4

(b) Identify the regular expression in Listing 1 and explain how it relates to the anti-war sentiments found in the rest of the script.