The Decision Matrix Exercises

2.1

	RIGHT NUMBER (1 / 38)	WRONG NUMBER (37 / 38)
bet	35x	-X
no bet	0	0

2.2

	GOD EXISTS	GOD DOESN'T EXISTS
We believe God Exist	gain eternity and infinity	gain nothing and lose nothing
We don't believe God exist	gain nothing	gain nothing and lose nothing

2.3

Even though the probability is extremely low, the probability of which god does in fact exist > 0.

2.4

Think in a different way:

- a and b are two single OR bits that can have only two values : 0 and 1
- a = 0 => not getting stomach infection
- a' = 1 => getting stomach infection
- b = 0 => it is not too cold in Japan
- b' = 1 => it is too cold in Japan
- two bits => 4 states, s_1, s_2, s_3, s_4
 - ab, ab', a'b, a'b'

	S1	S2
a1	p	q
a2	r	S
a3	t	u