



Neurological Nasties XIII

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1. The first interplanetary travellers are about to set off. Who is going to the wrong planet ?

A



Mars

B



Jupiter

C



Venus

D



Saturn

E



Uranus

2. Rebecca Stayafloat is walking the countryside with her dog, cat and budgie. She comes to a riverbank and the only means of getting across is a small boat which can hold her and only one of the dog, the cat or the budgie. Unfortunately she dare not leave the dog alone with the cat or the cat alone with the budgie for the dog would eat the cat and the cat would eat the budgie. Please note that the Budgie is domesticated and can't fly across the river.

After some thought Rebecca realised that she could use the boat to transport herself and all her animals safely across the river. How did she do it ?

3. After a flood three married couples found themselves surrounded by water, and had to escape from their holiday hotel in a boat that would only hold three persons at a time. Each husband was so jealous that he would not allow his wife to be in the boat or on either bank with any other man (or men) unless he was himself present.

Find a way of getting the couples across the river to safety which requires the smallest number of boat crossings. Swimming or helicopters are not allowed ?

Now solve the problem if there are five married couples.