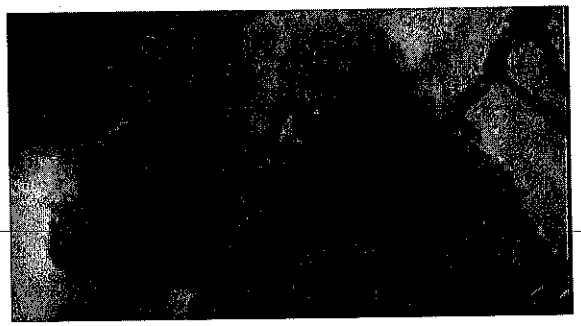
Discrete Probability Distribution ???

Imagine you are in a game show, where

Now, let us start the money give-away! There are 4 prizes hidden on a game board with 16 spaces. One prize is worth $4000, another is worth $1500, and two are worth $1000.

But, wait!!! You are also told that, in the rest of the spaces, there will be a bill of $50 that you have to pay to the host as a penalty for not making the "wise" choice.

OK, you are lucky that you only have to pay $50 for making a bad choice. Imagine that you failed to answer the question asked by

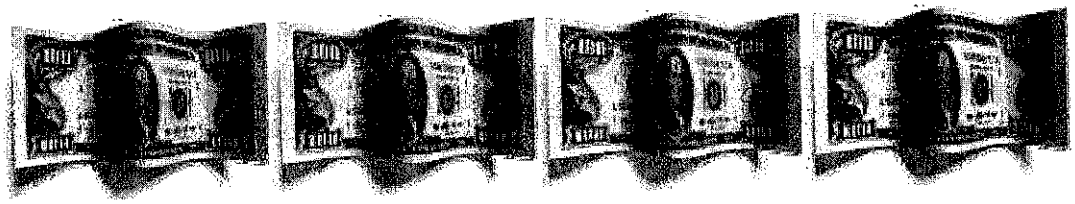


in the Monty Python and the Holy Grail!

But, of course, it is a much kinder and gentler world now than the time of King Arthur and his knights.

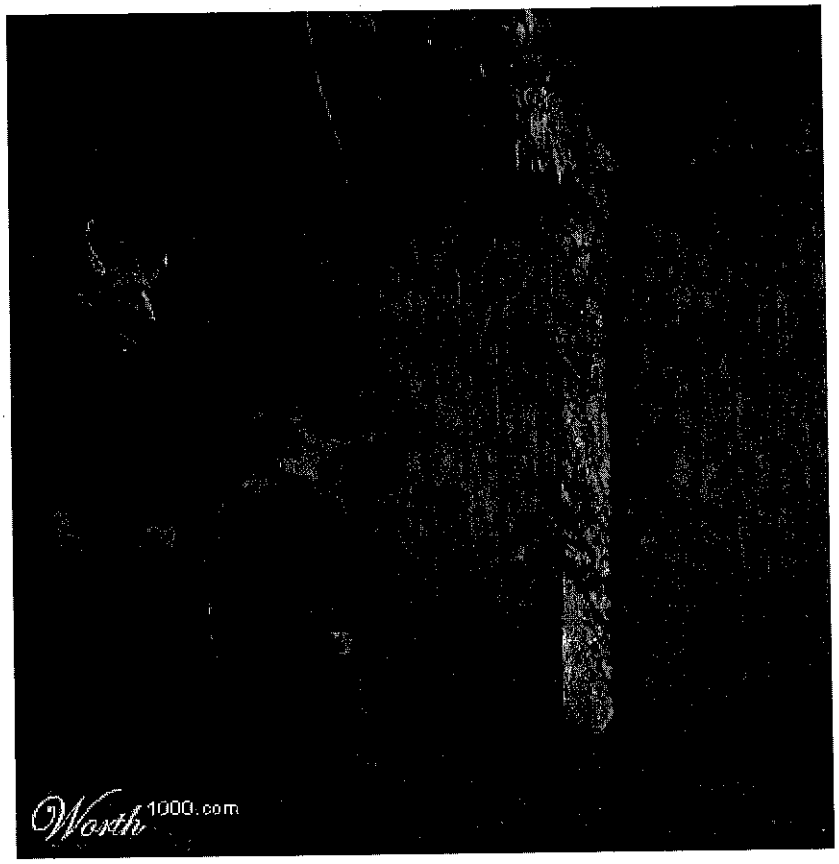
In this modern game show, you are actually given a choice, a real choice.

Choice #1: You are offered a sure prize of $400 cash, and you just take the money and walk away. Period. No question asked.....

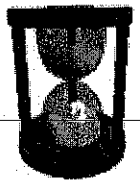


Choice #2: Take your chance and play the game.....

What would be your choice? Take the money and run, or play the game? Why??? Hmmmm.....



You have to make a decision..... quick .....



By the way, I am not that devil above. He is just a friend, a drinking pal, from hell.