

Heuristic*Problem*Solving

QUIZ #4

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MY NAME IS:

Q1. [10] I propose to play a coin flipping game, in which I will pay you as follows:

- (a) I give you coin to flip. You flip the coin and record the outcome: *H* or *T*.
- (b) You keep flipping until the first outcome is repeated, ending the game.
- (c) I pay you a \$1 for each opposite outcome that appeared between the first and the last outcomes (which must agree by the rules of the game).

Thus if the sequence of tosses is *HTTTTH*, I pay you \$4, but \$0 for *HH* and \$2 for *THHT*, etc.

Will you play it for \$0.99?