PLAYING STRATEGY

Since the computer favors scissors, I would play rock more often. Rock smashes scissors, so by playing rock, I am more likely to win against the computer's favorite choice.

Let's denote the probabilities of playing rock, paper, and scissors

For playing rock:
= (1×Pscissors) + (0×Ppaper) + (0×Prock)
= (1×0.6) + (0×0.2) + (0×0.2)
= 0.6

For playing paper:
= (1×Prock) + (0×Pscissors) + (0×Ppaper)
= (1×0.2) + (0×0.6) + (0×0.2)
= 0.2

For playing scissors:
= (1×Ppaper) + (0×Prock) + (0×Pscissors)
= (1×0.2) + (0×0.2) + (0×0.6)
= 0.2

From these calculations, we can see that playing rock has 0.6 and is the highest expected winning value.