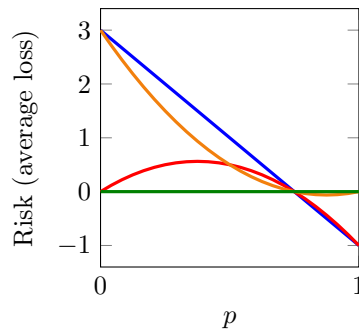


# Worst-Case Analysis: Hints

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**Minimax Cookies** Here is a picture that addresses all three questions:



## Dunn-Šidák correction

1. Independence means that  $\Pr(p \wedge q) = \Pr(p) \Pr(q)$ .
2. Solve a quadratic equation.

## Bonferroni Correction

1. In general,  $\Pr(p \vee q) = \Pr(p) + \Pr(q) - \Pr(p \wedge q)$ , and  $\Pr(p) = \Pr(q) = \alpha$ .
2. What have you thrown away?
3. Everybody gets a slice.