1. Intro
   1. What values make a good cache?
2. Cost
   1. Pros and cons of a cheap model
   2. Pros and cons of an expensive model
      1. Talk about cost of unused space vs overall costs
      2. Miss rate
      3. CPI
3. CPI
   1. Pure performance
      1. Bigger the better?
         1. Cache size
         2. Block size
      2. Which associativity works the best?
         1. In terms of miss rate, cpi, an unused space
4. Cheapest:
   1. Lowest you can go
   2. Miss rate
   3. CPI
   4. Should have the lowest amount of unused space
5. Most Expensive
   1. Does it have the best CPI/ miss rate?
      1. If not show stats on best CPI and miss rate and give costs
   2. Cost and cost of wasted space though?
6. Cheapest and most efficient
   1. Limited cache size
   2. Small amount of wasted unused space
   3. But still a decent miss rate and CPI
   4. Best for small things?
7. Best CPI and miss rate at lowest cost
   1. Best if lots of differentiating data?
   2. How much?
8. Conclusion
   1. On average best size of:
      1. Cache
      2. blocks
      3. associativity
   2. explain how the costs and CPI change as they go lower/higher