1) 5pts. Contributions of the paper
* extensible adaptive optimization system
* enable research in feedback-directed compilation
* low overhead sample-based profiling technique
* performance analysis of different optimization levels
* new inlining optimization
* a detailed description of the intermediate representations of the optimizing compiler
* a comparison against the HotSpot JVM system

2) 4pts. Components of the adaptive optimizing system (AOS) system architecture.
* runtime measurement subsystem
* controller
* recompilation subsystem
* database
* event organizer subsystem
* interpreter
* static analysis subsystem
* inliner
* dynamic call graph

3) 3pts. What does a compilation plan consist of?
* optimization plan
* profiling data
* instrumentation plan
* interpretation plan
* threading plan
* organizers plan

4) 3pts. When are samples taken?
* loop (back edges)
* method entries
* thread yield points
* method exits
* during compilation
* thread switch checks
* timer interrupts

5) 5pts. What are the advantages of the profiling framework (listed in the Arnold and Ryder paper)?
* instrumentation can be performed longer without degrading performance
* it is tunable
* existing instrumentation techniques can be incorporated without modification
* multiple types of instrumentation can be used simultaneously
* does not require hardware support
* framework is non-deterministic