# **Semantics Past Paper**

#### L1

y2013p6q9 (stack) y2015p6q9

# L2 (Function)

y2009p6q9 y2018p4q8

#### L3

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#### **Subtype**

y2003p6q12 y2020p4q9

#### Concurrent

y2007p6q10

### **Exception**

y2012p6q9 y2017p6q9 (dynamic memory)

# **Effect System**

y2018p4q9 {R,W}, also covered in Part II Compiler Opt Lecture 13