

# Semantics SV3

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## 1 Exam questions

1. Effects systems : 2018P4Q9
2. Heap allocation: 2017P6Q9
3. Exceptions: 2012P6Q9
4. Concurrency: 2007P6Q10

## 2 Additional questions

For groups where the question on substitution was not covered, the heap allocation question is optional but you should do the substitution proof properly.