

ORACLE®



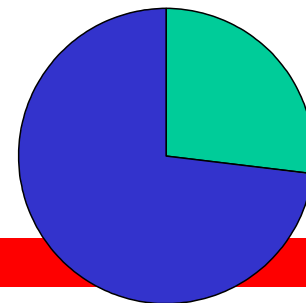
ORACLE[®]

The gory details of Garbage collection

Jesper Wilhelmsson
HotSpot JVM GC team lead

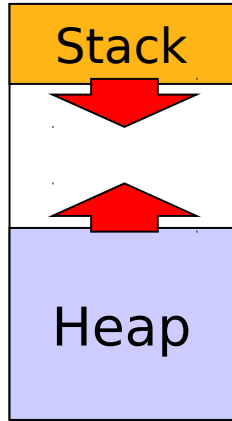
Our context: Erlang

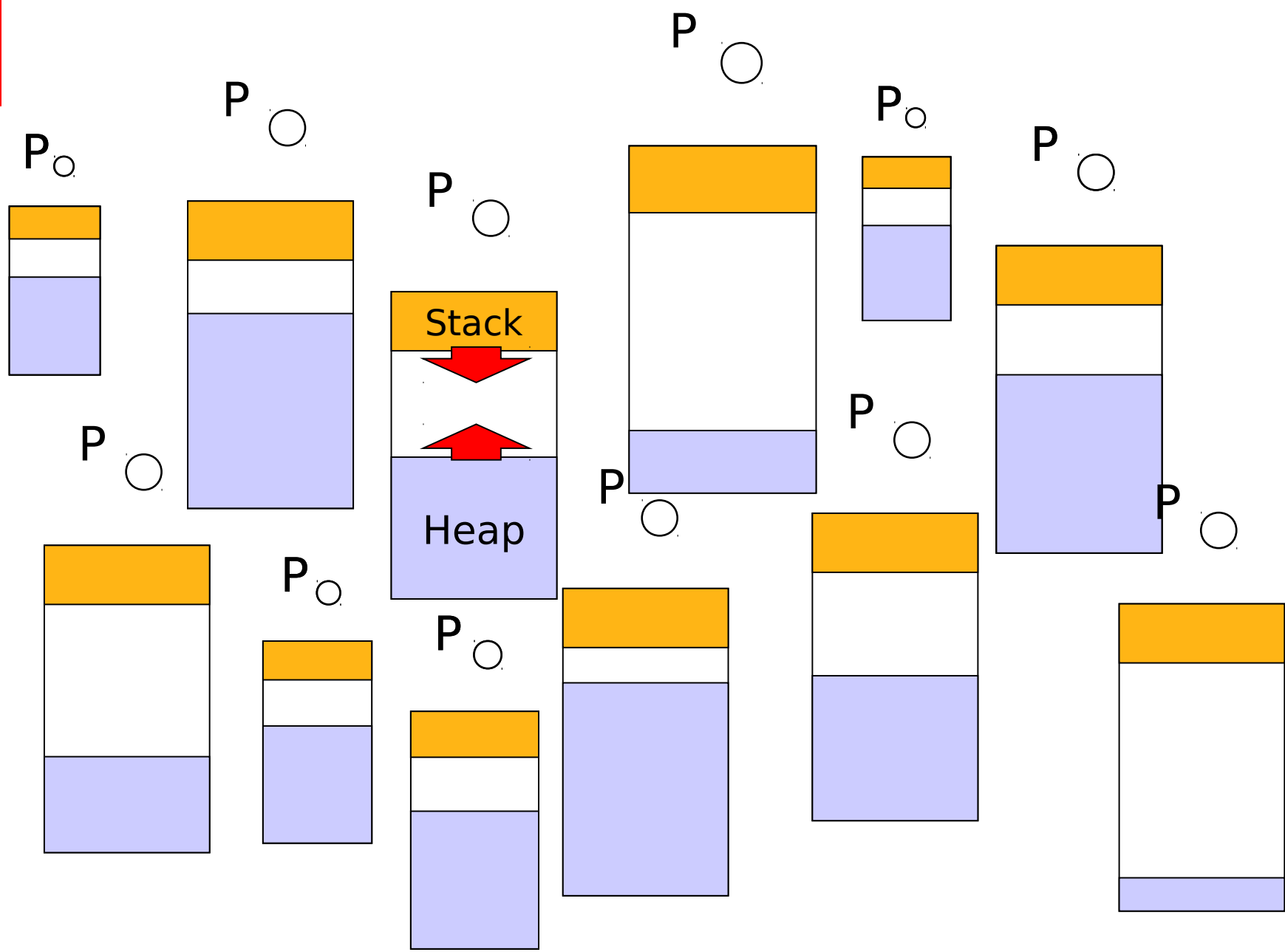
- ✓ Designed for highly concurrent applications
- ✓ Soft Real-Time
- ✓ Light-weight processes
- ✓ No destructive updates
- ✓ Data types: atoms, numbers, PIDs, tuples, cons cells (lists), binaries



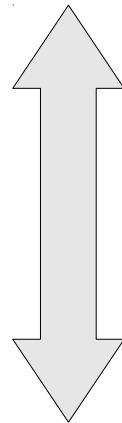
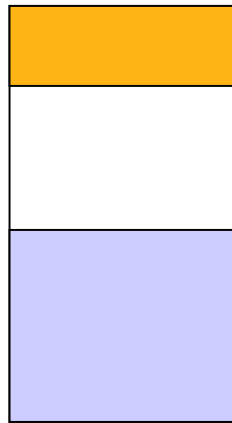
heap
data

P ○



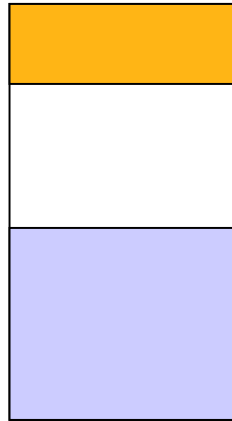


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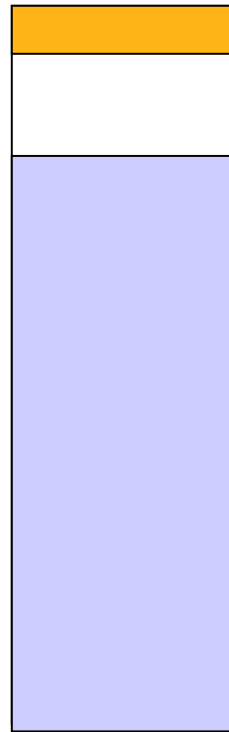


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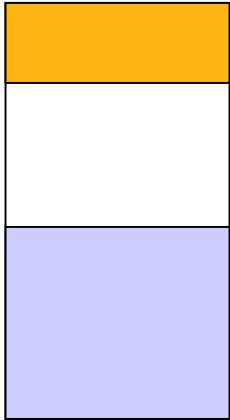
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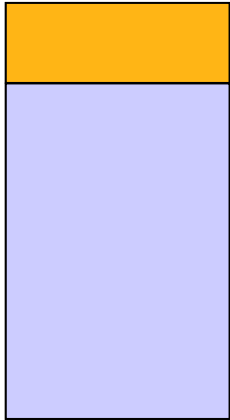
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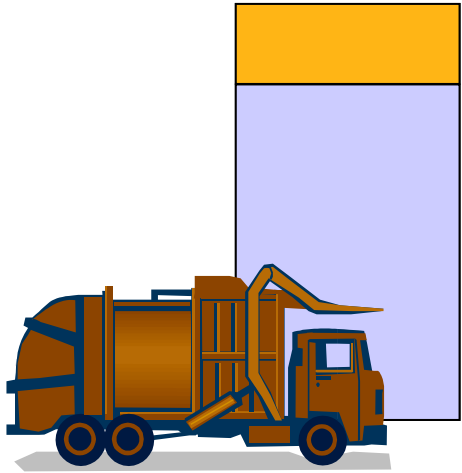
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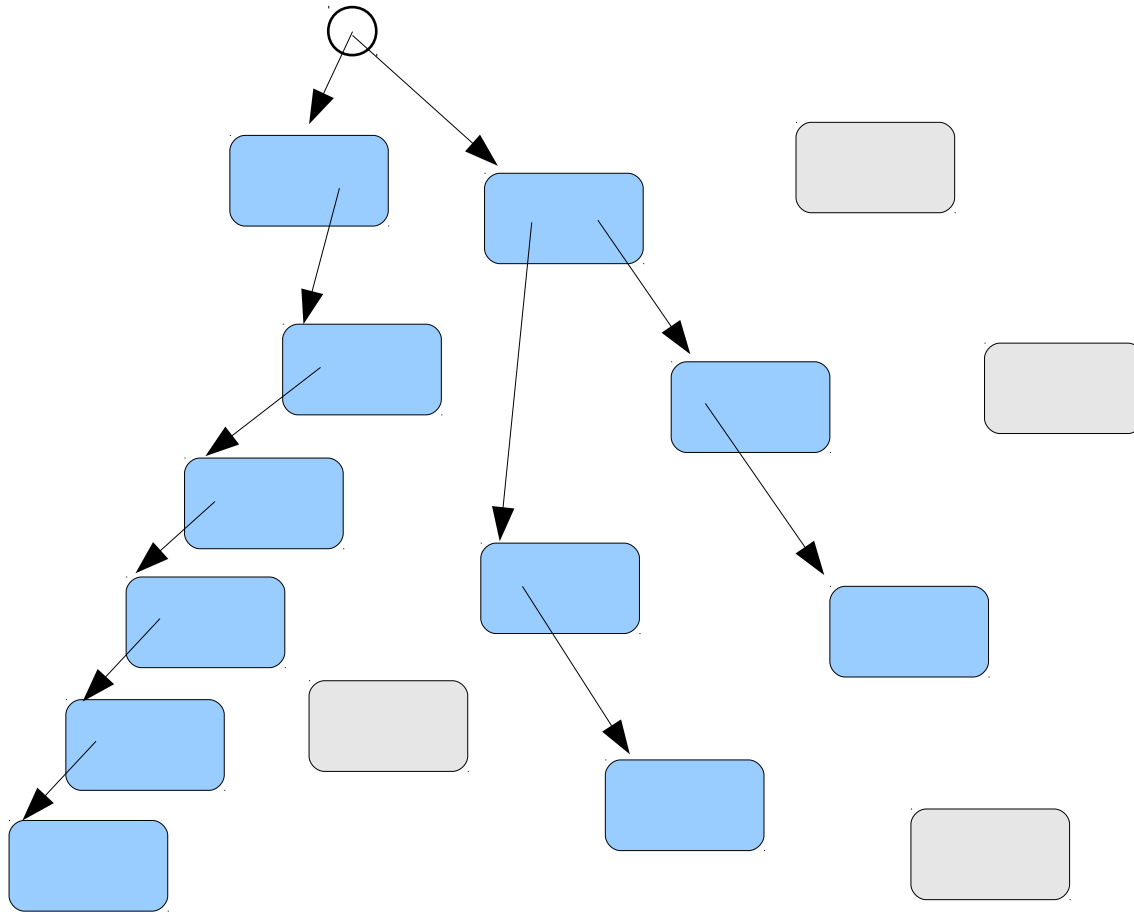


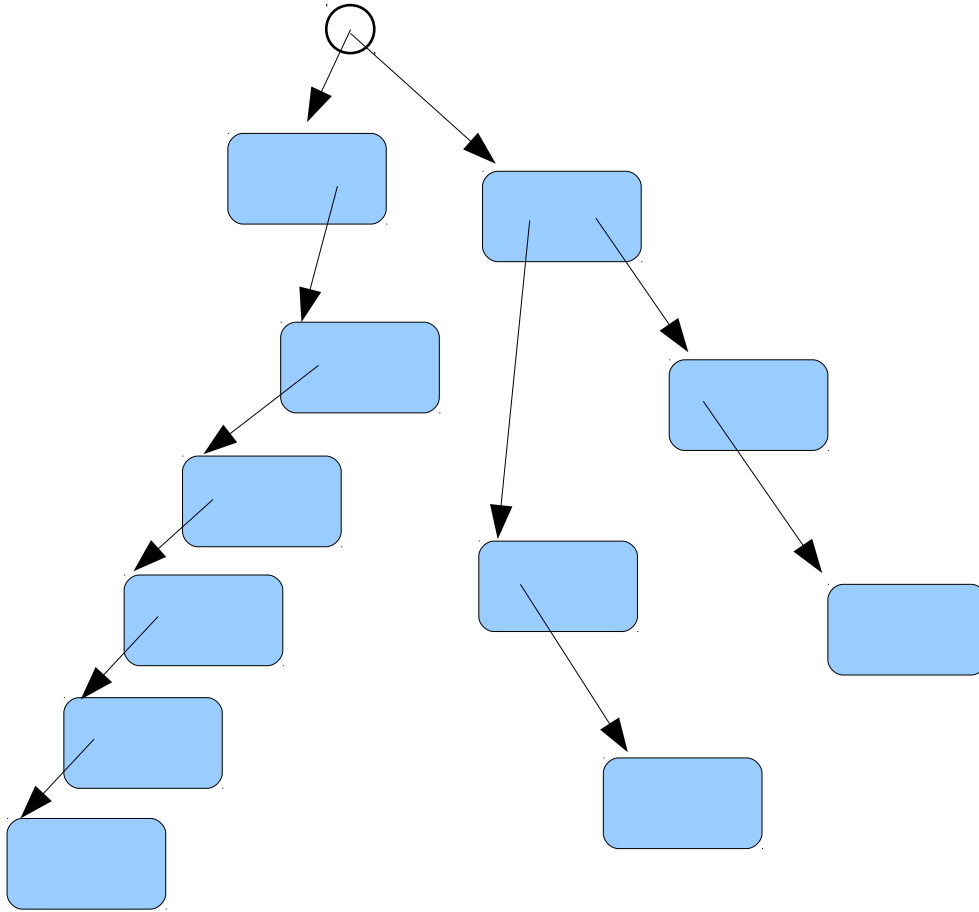
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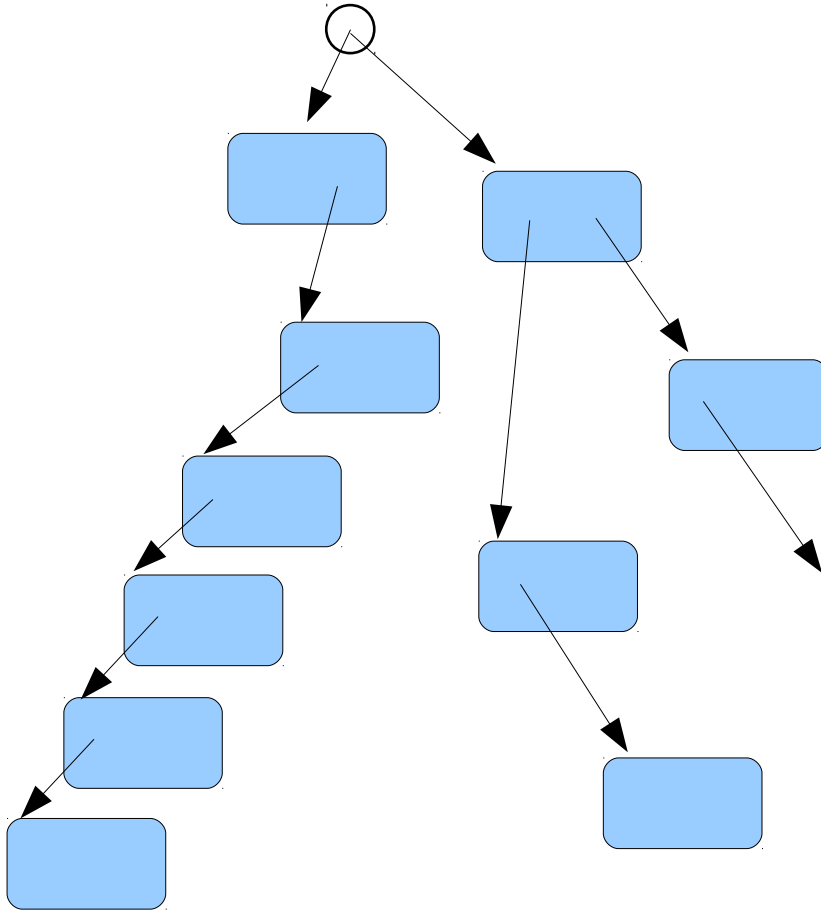


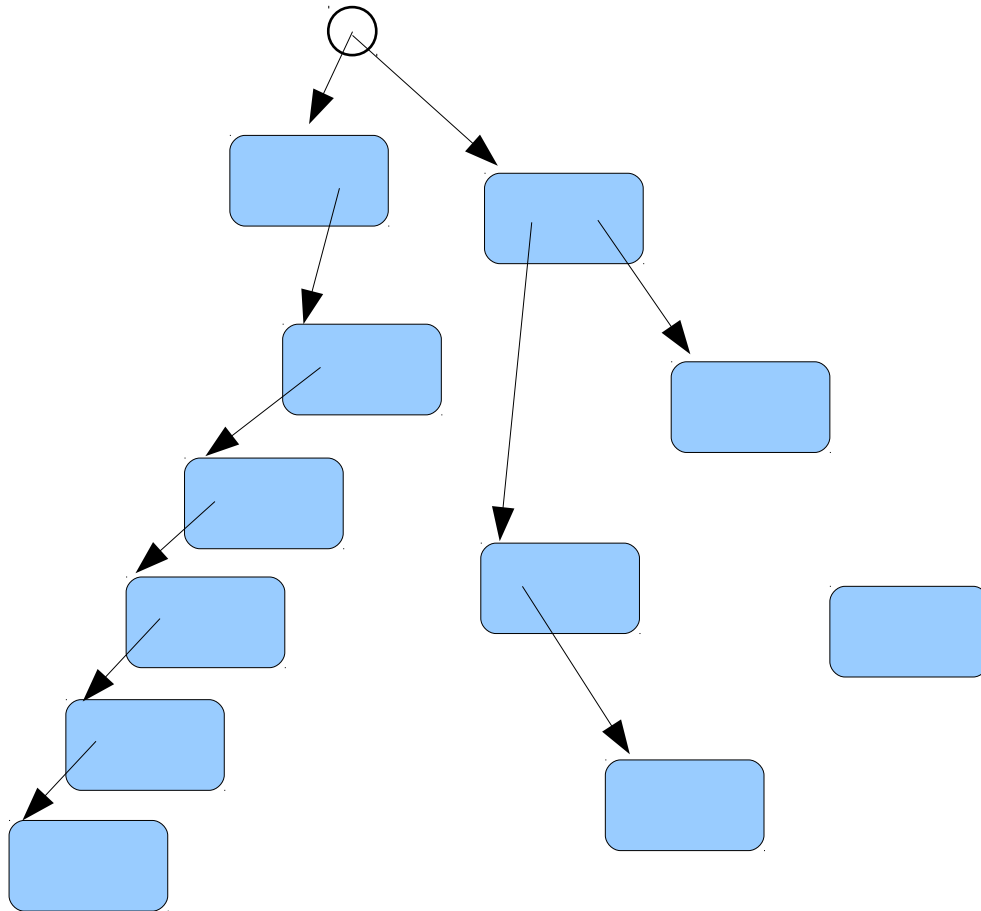
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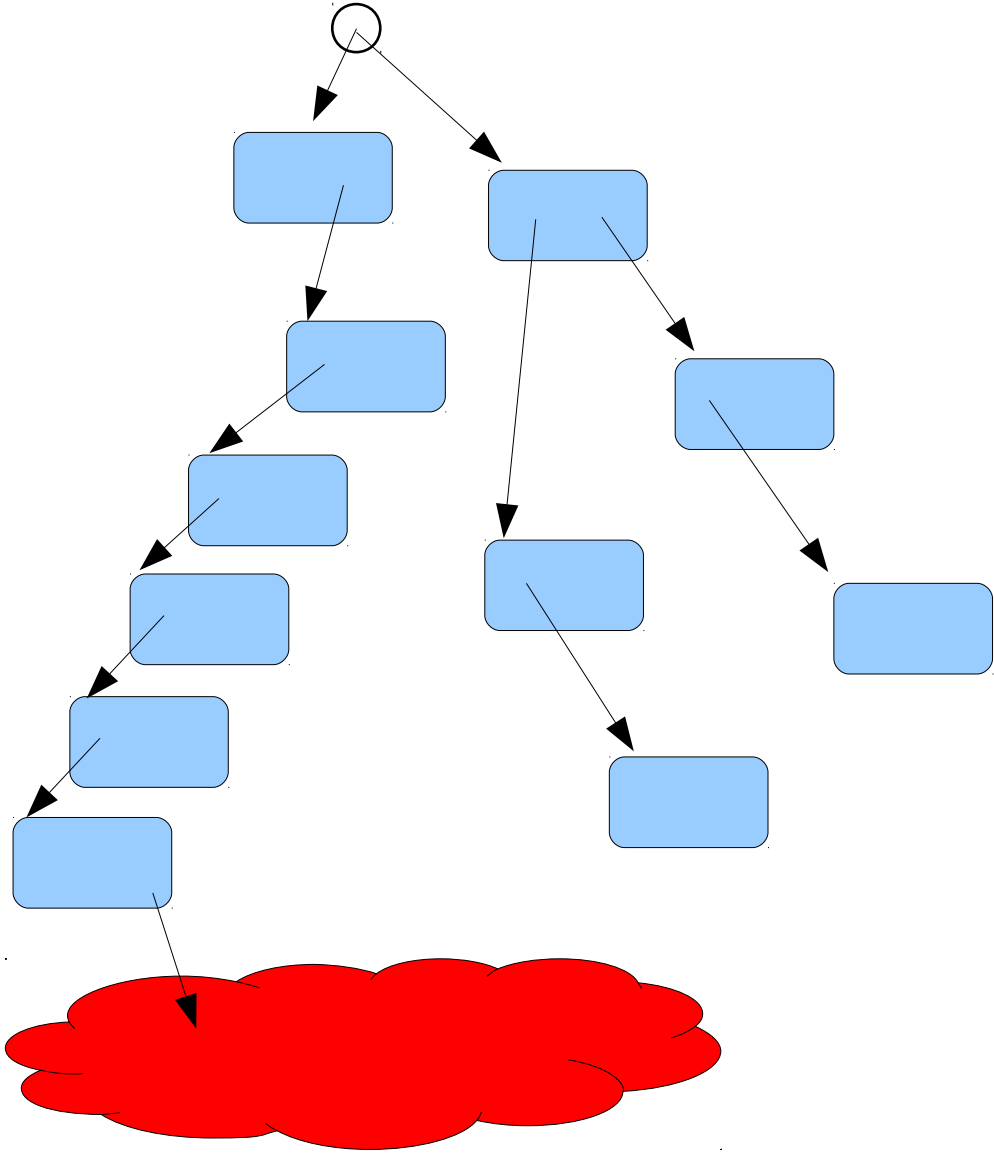












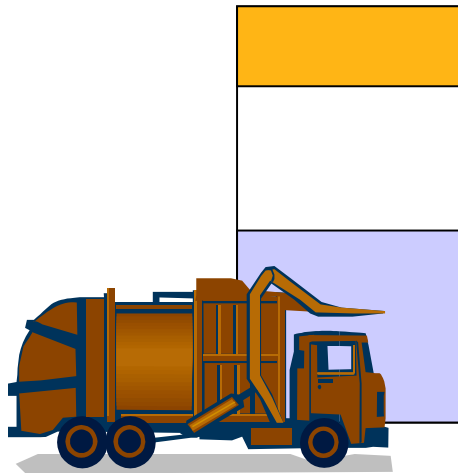




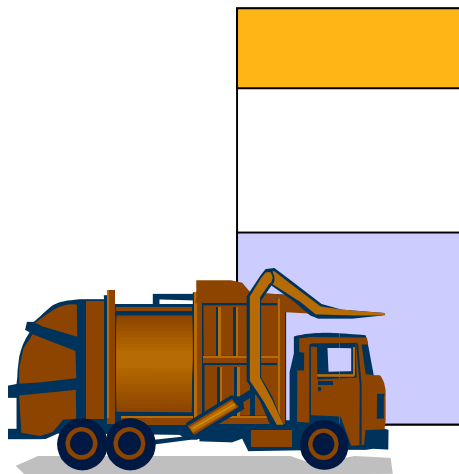




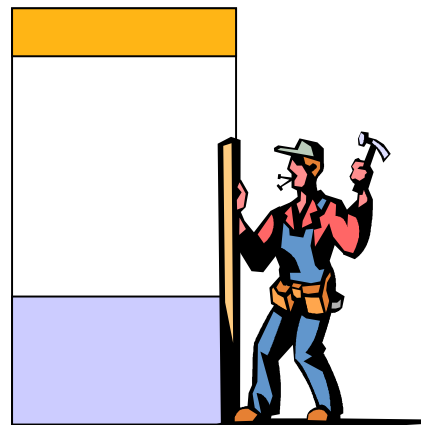
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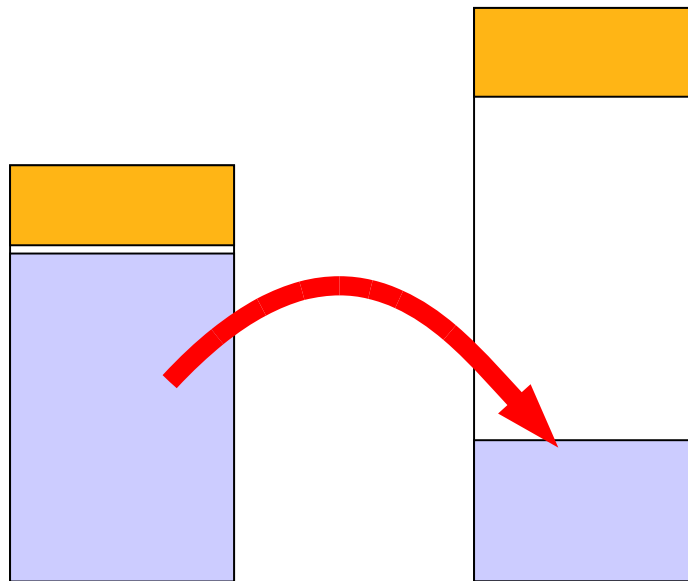


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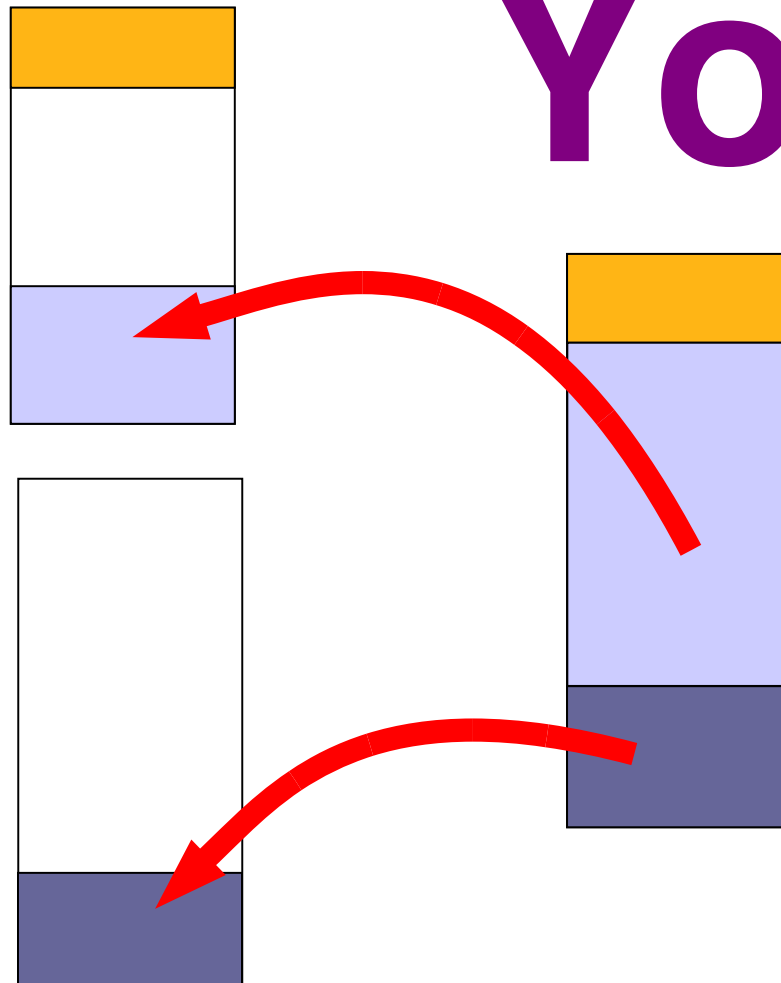
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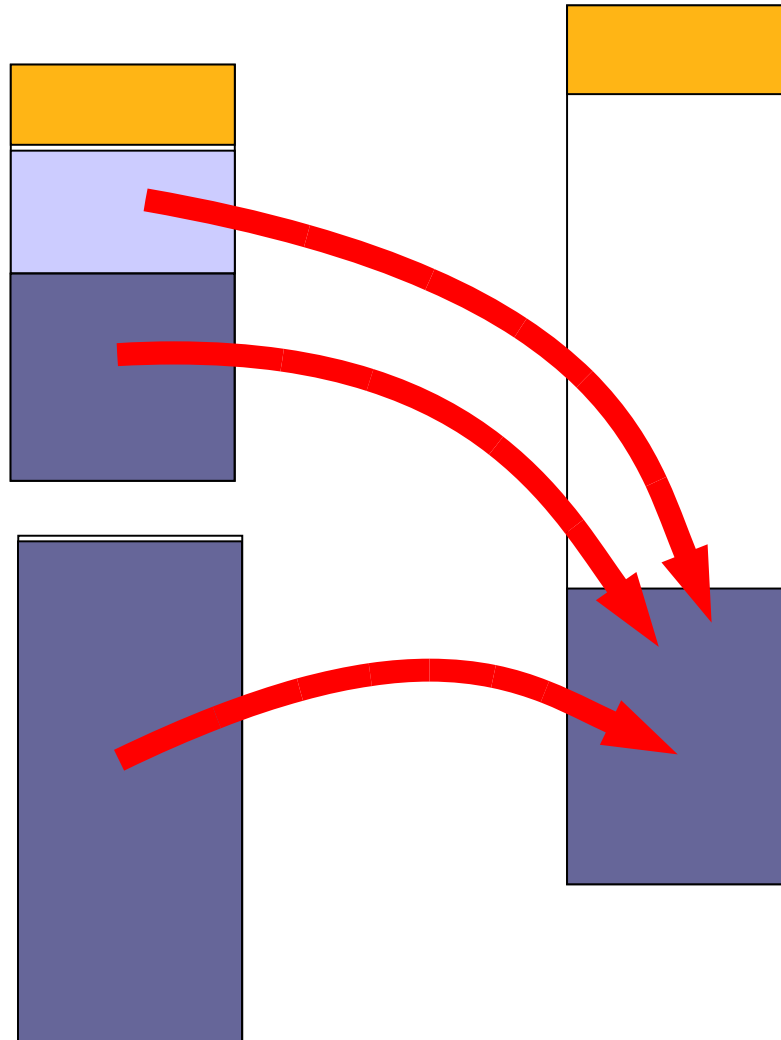


High water mark

Young



High water mark



Old

High water mark



From space

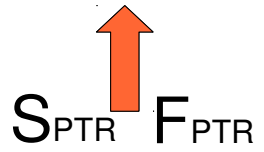
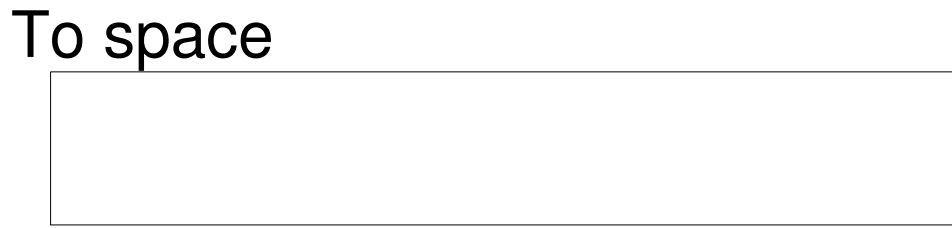
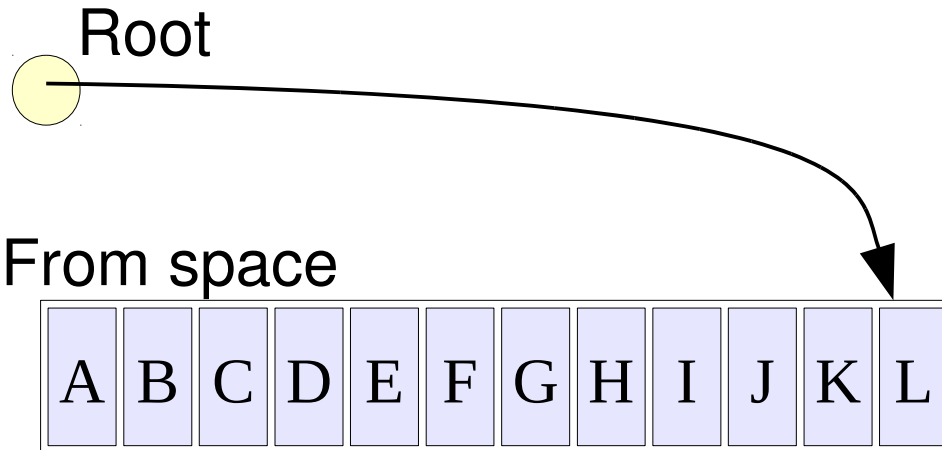
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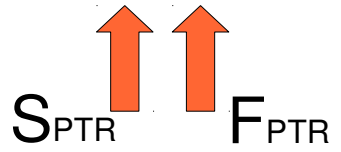
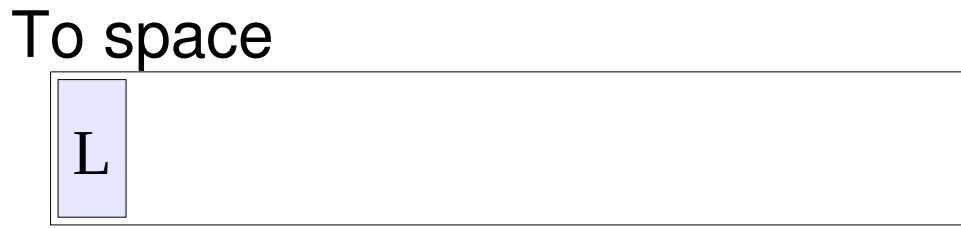
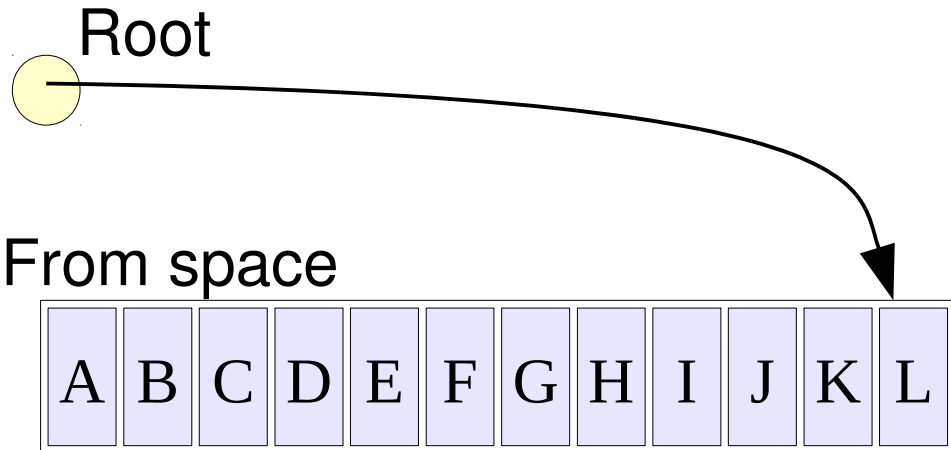
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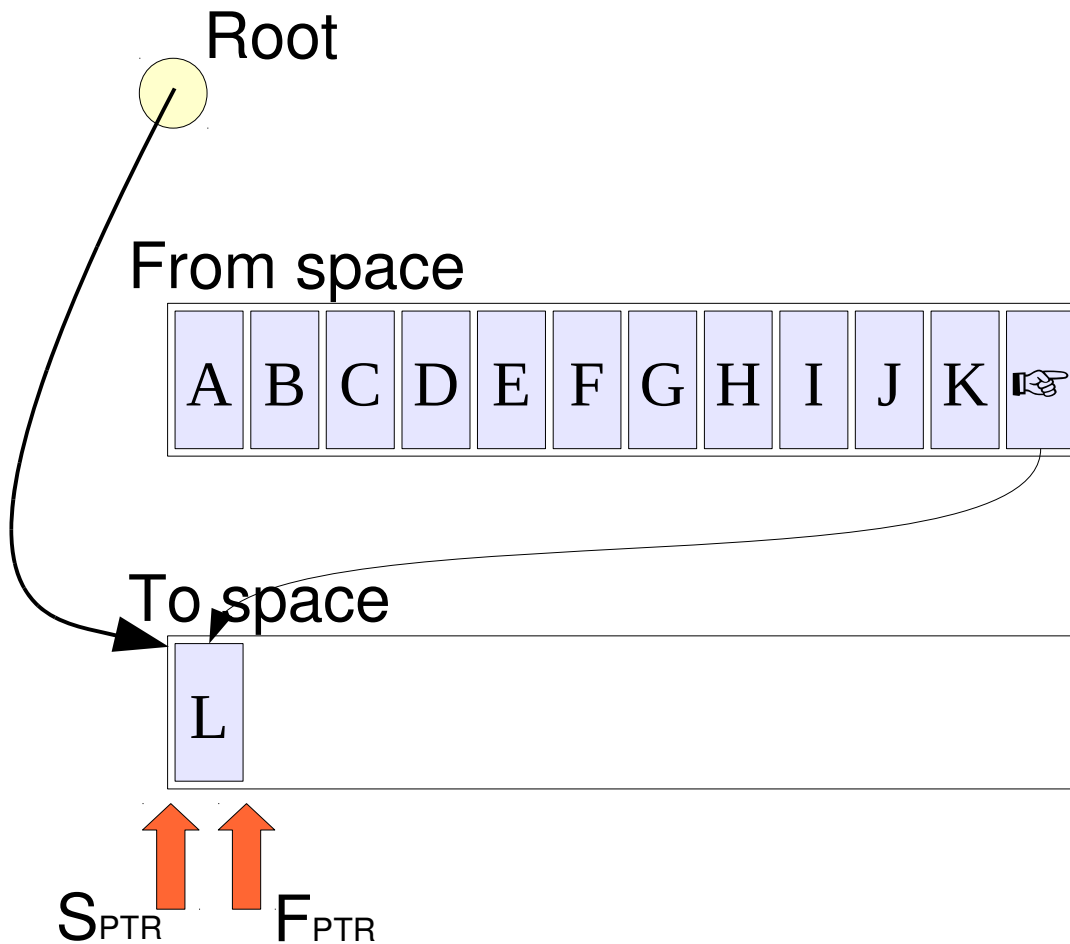
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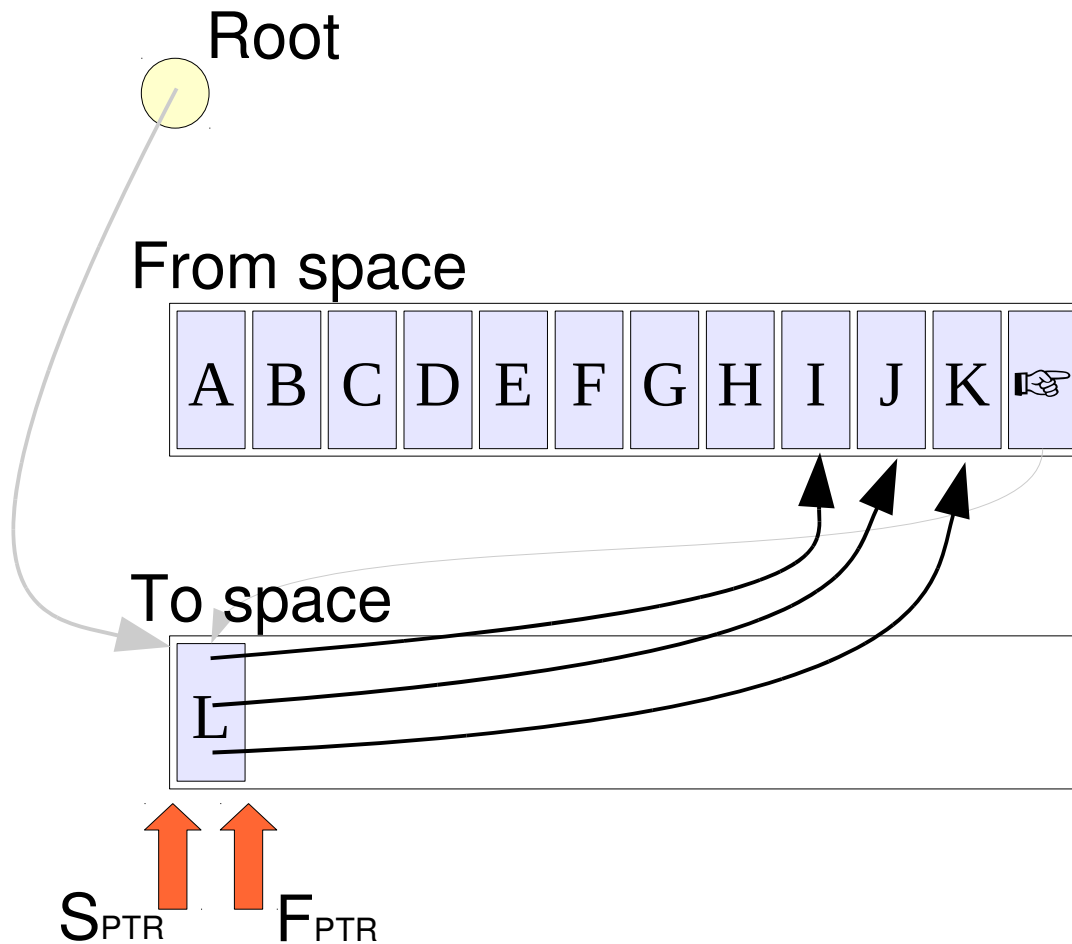
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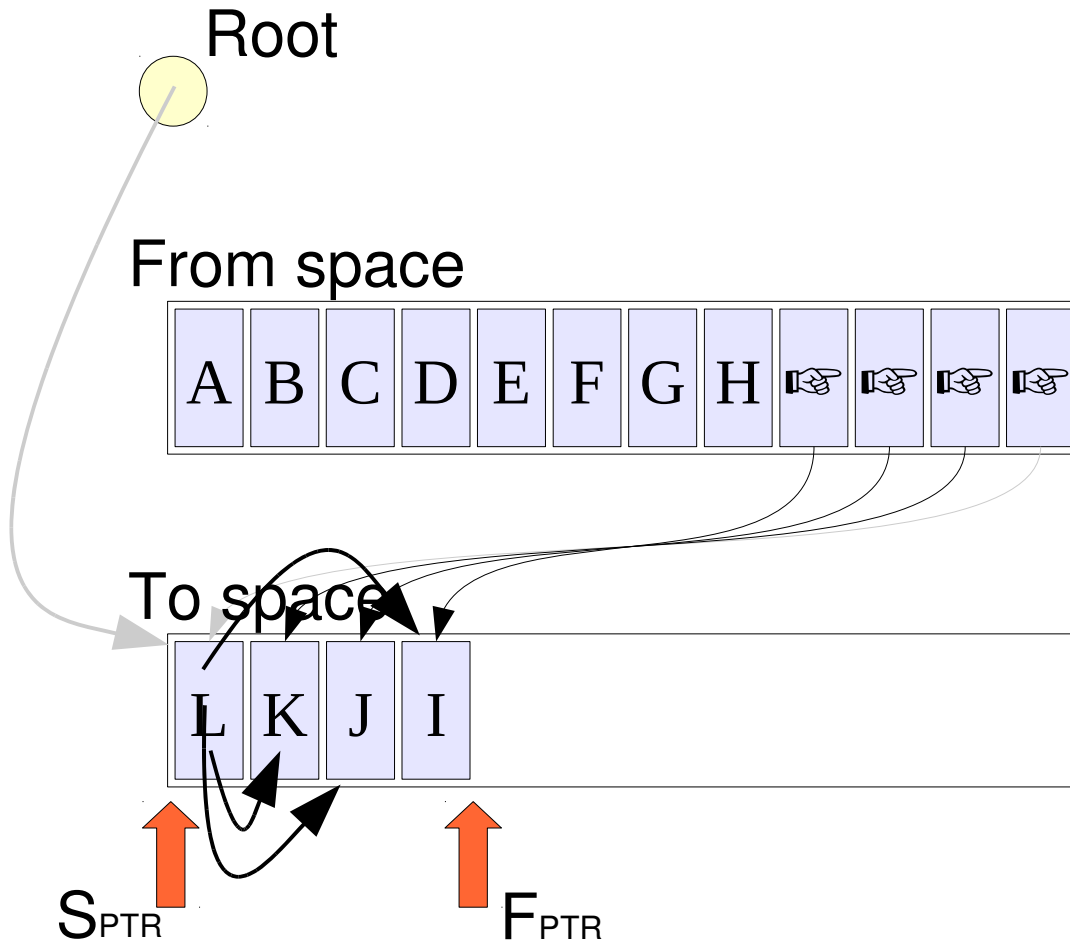
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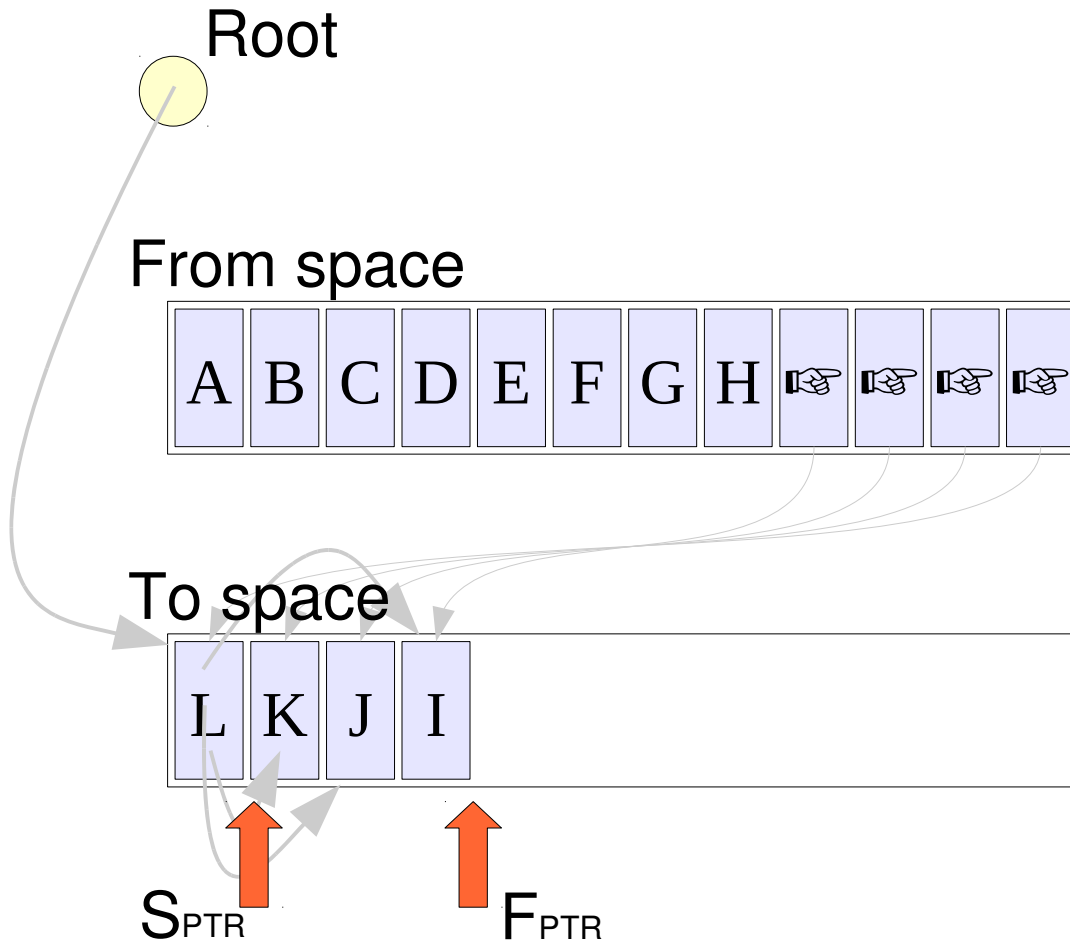


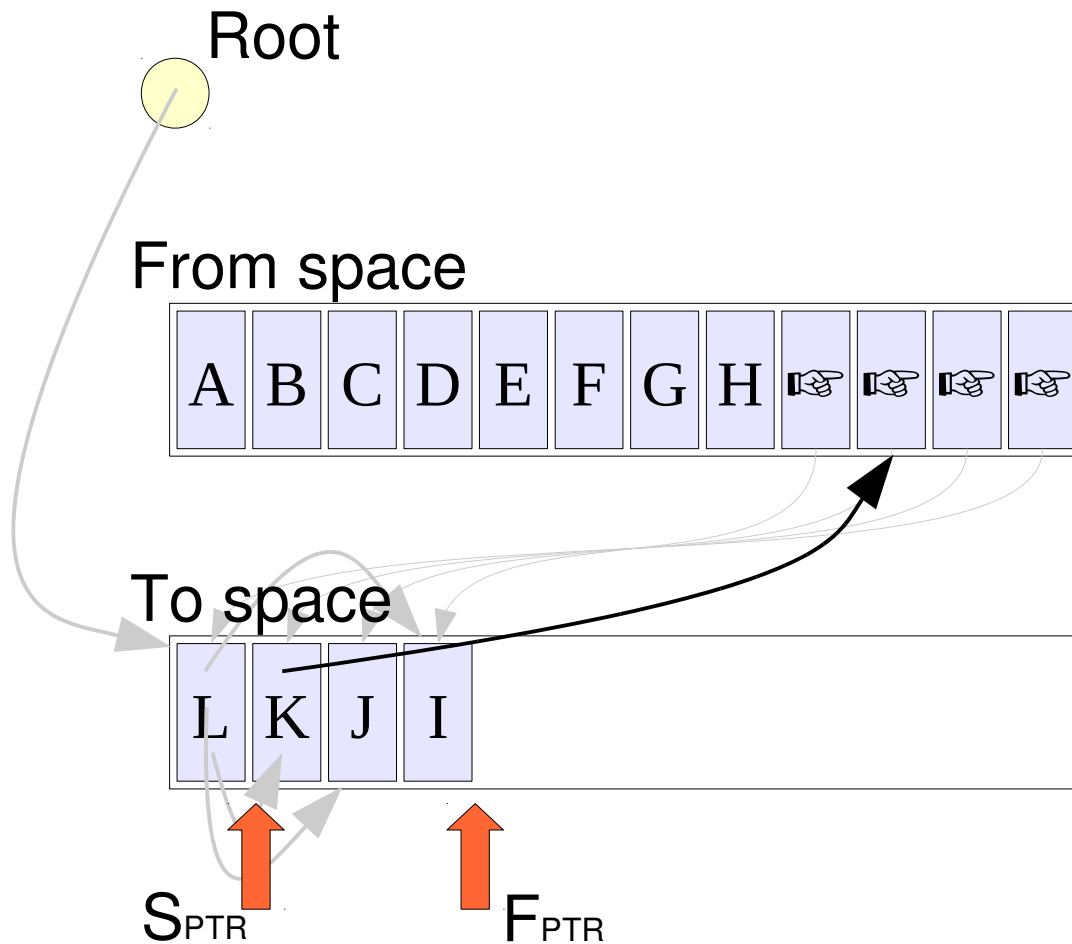


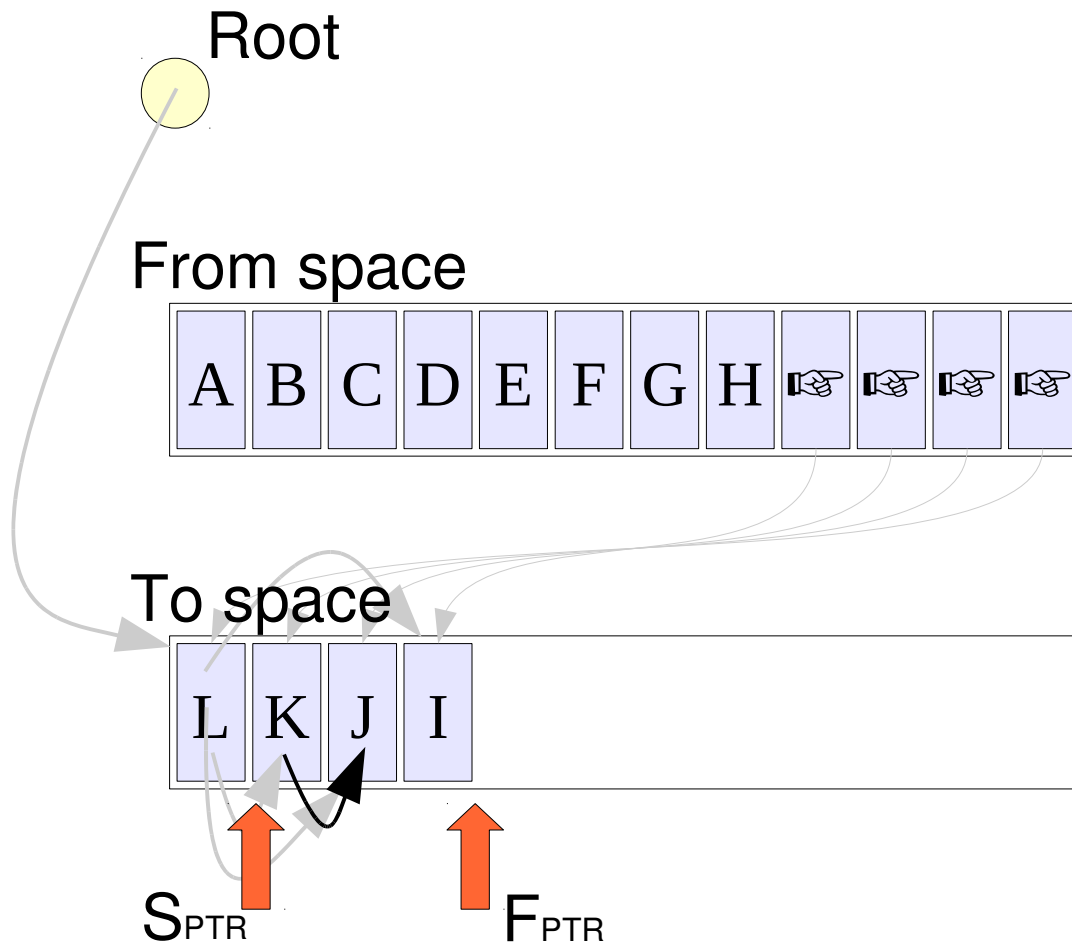


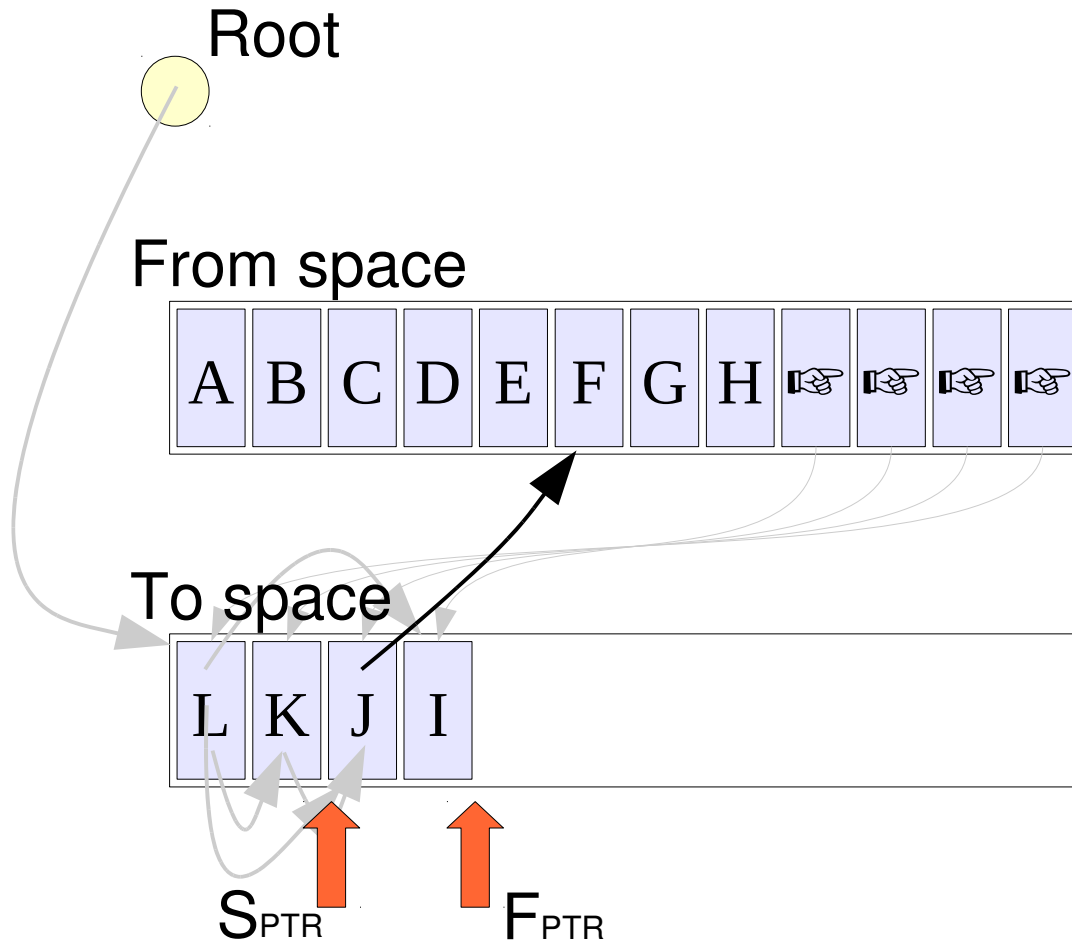


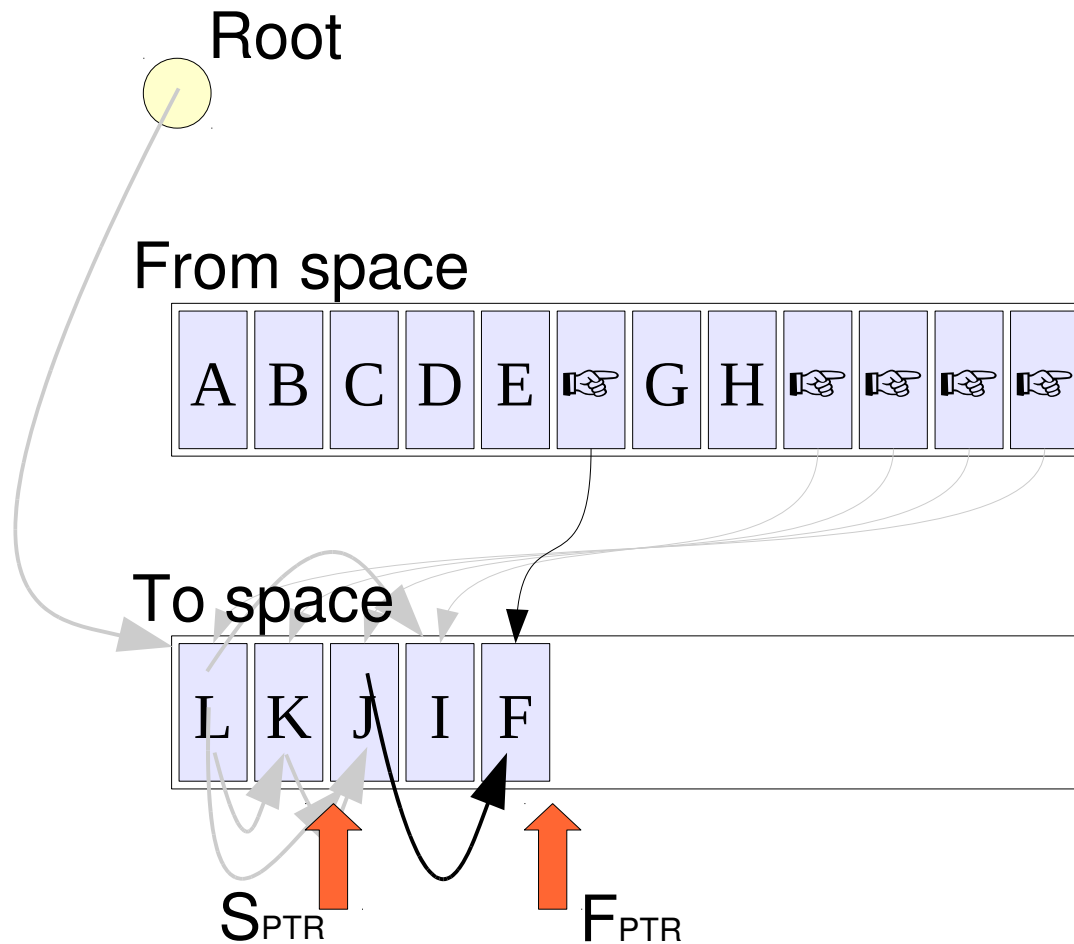


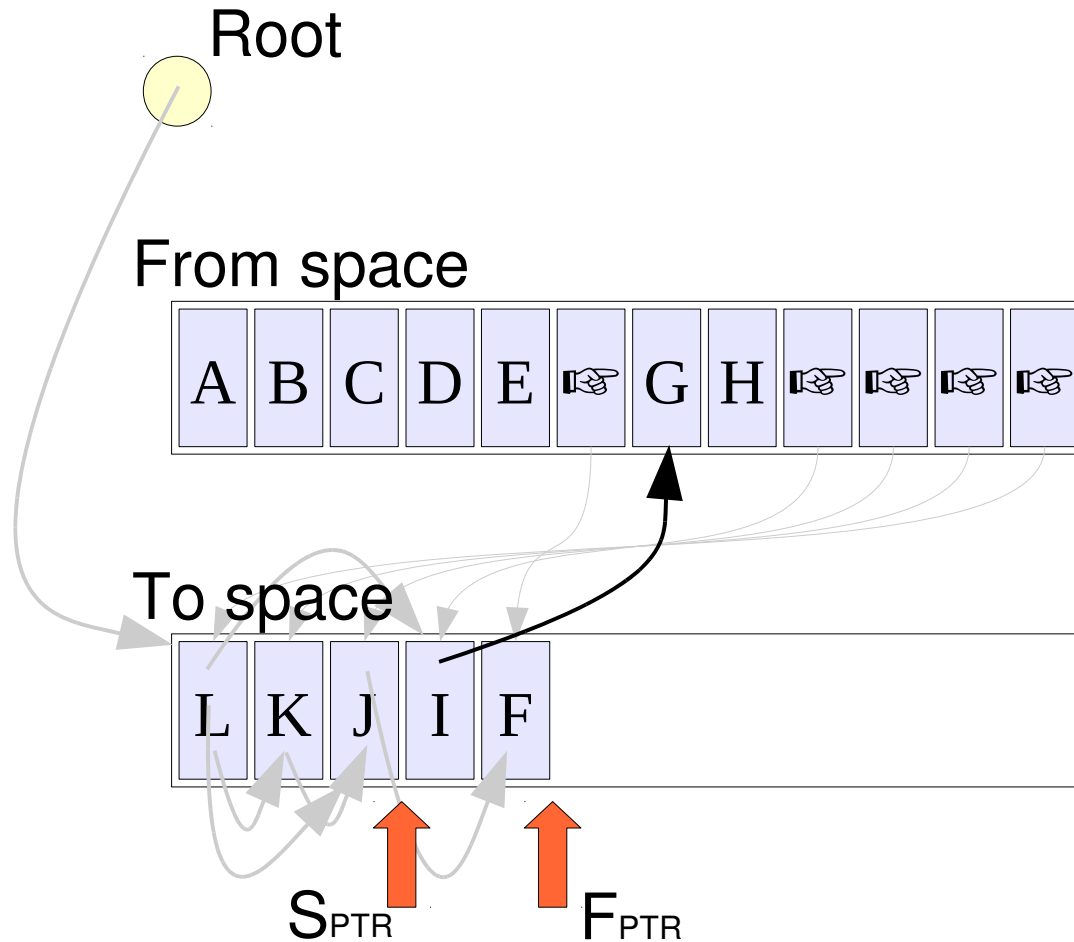


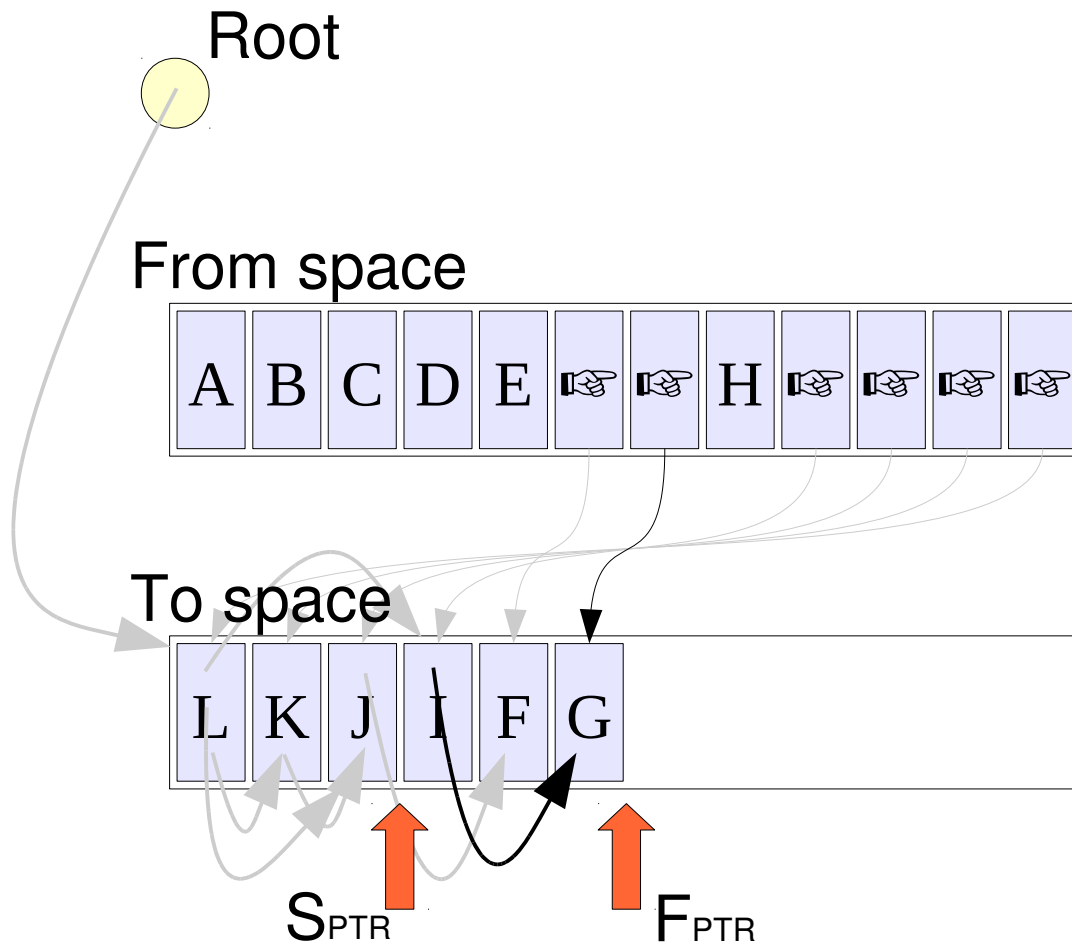


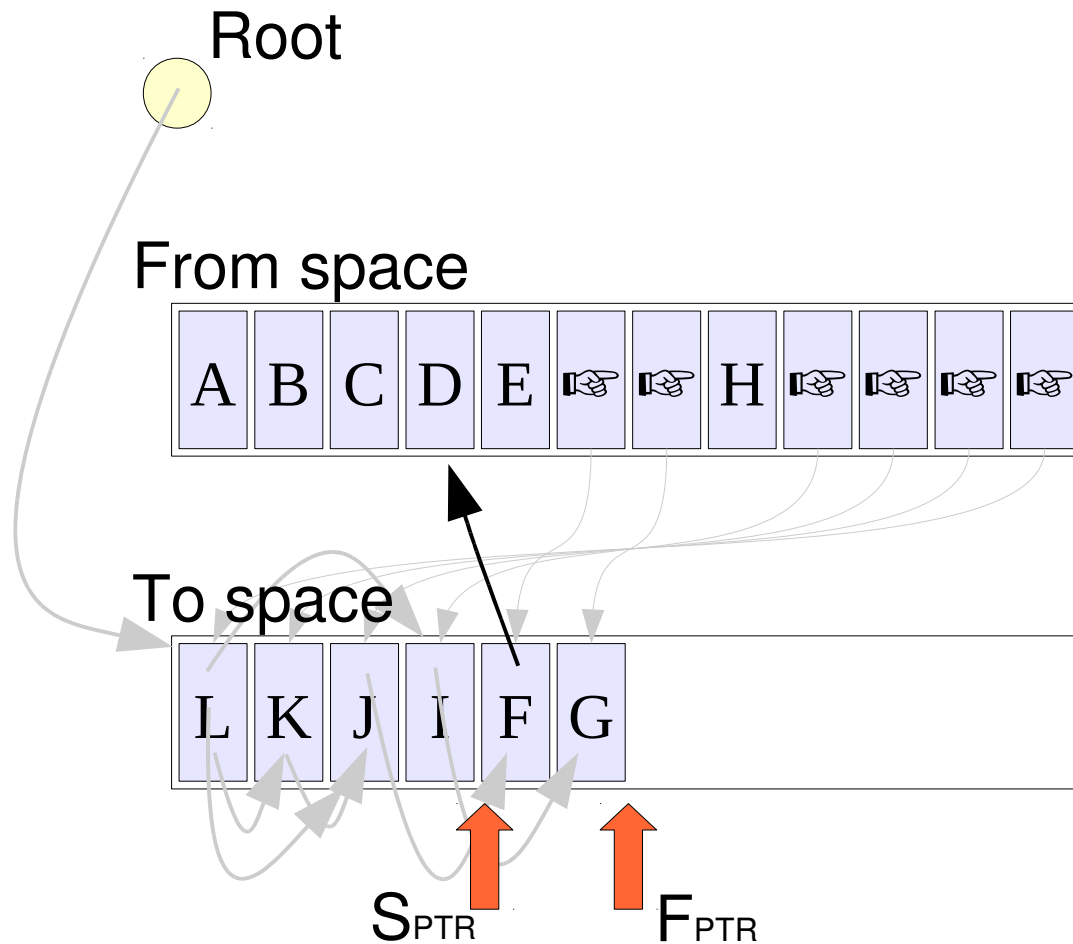


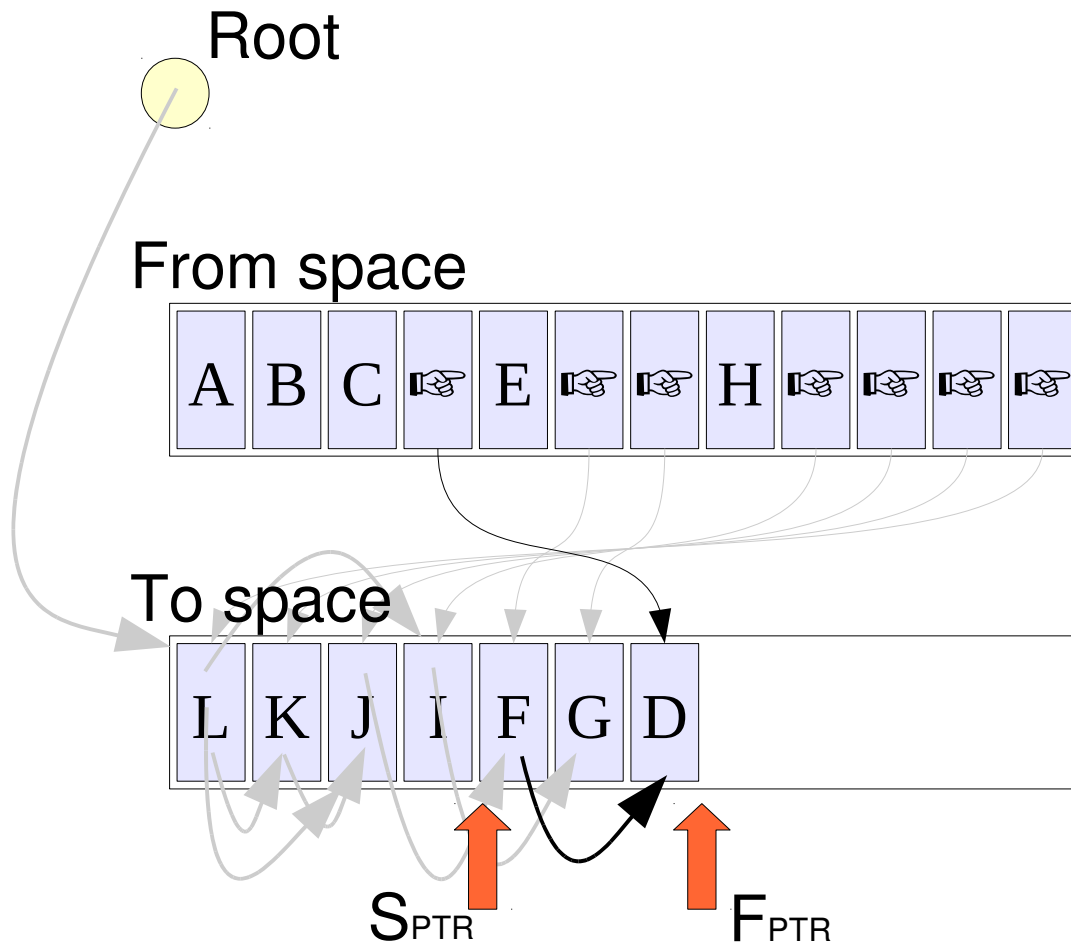


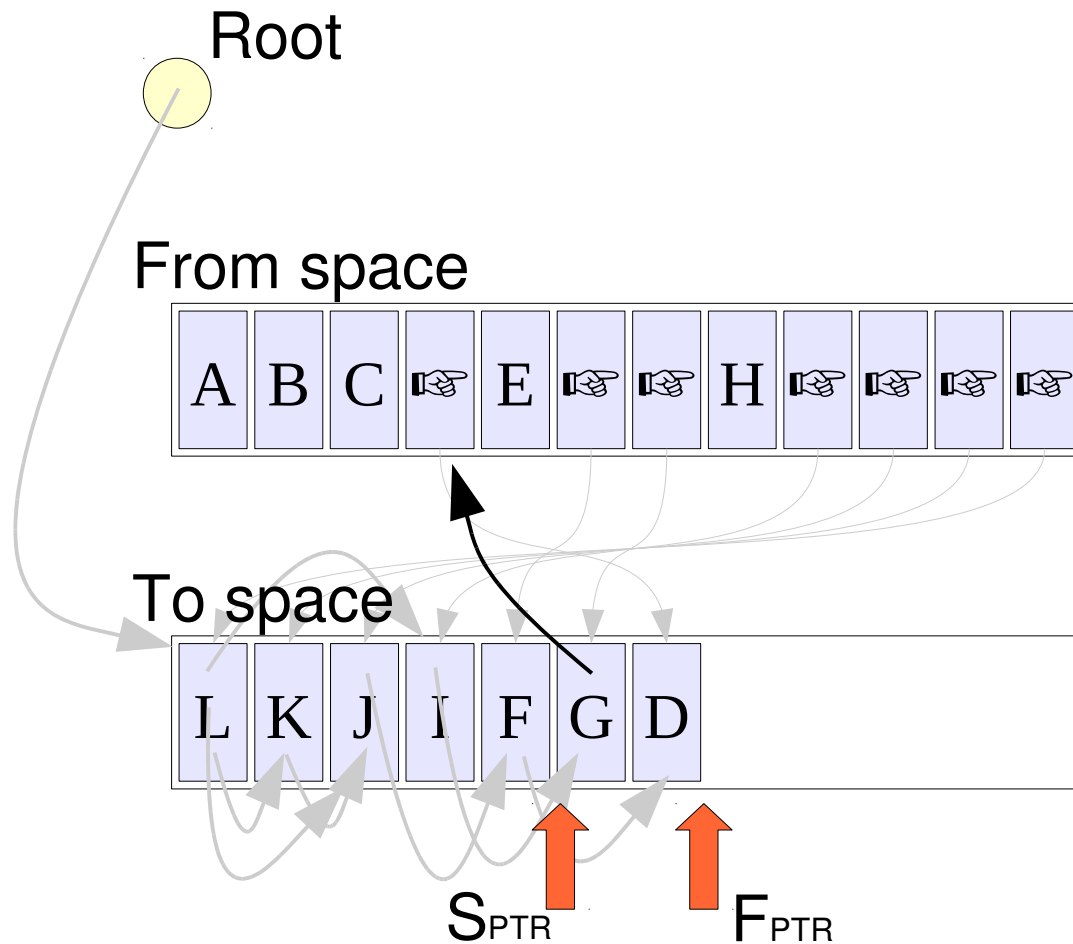


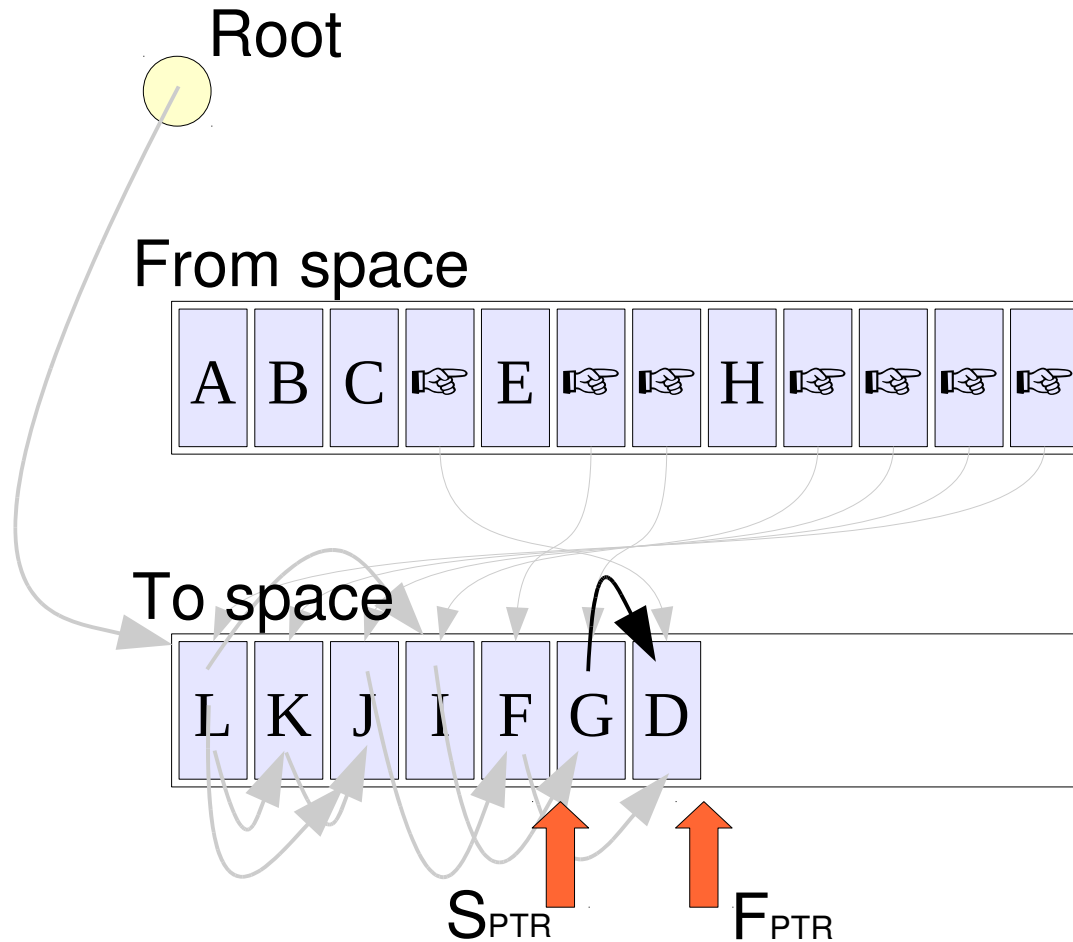


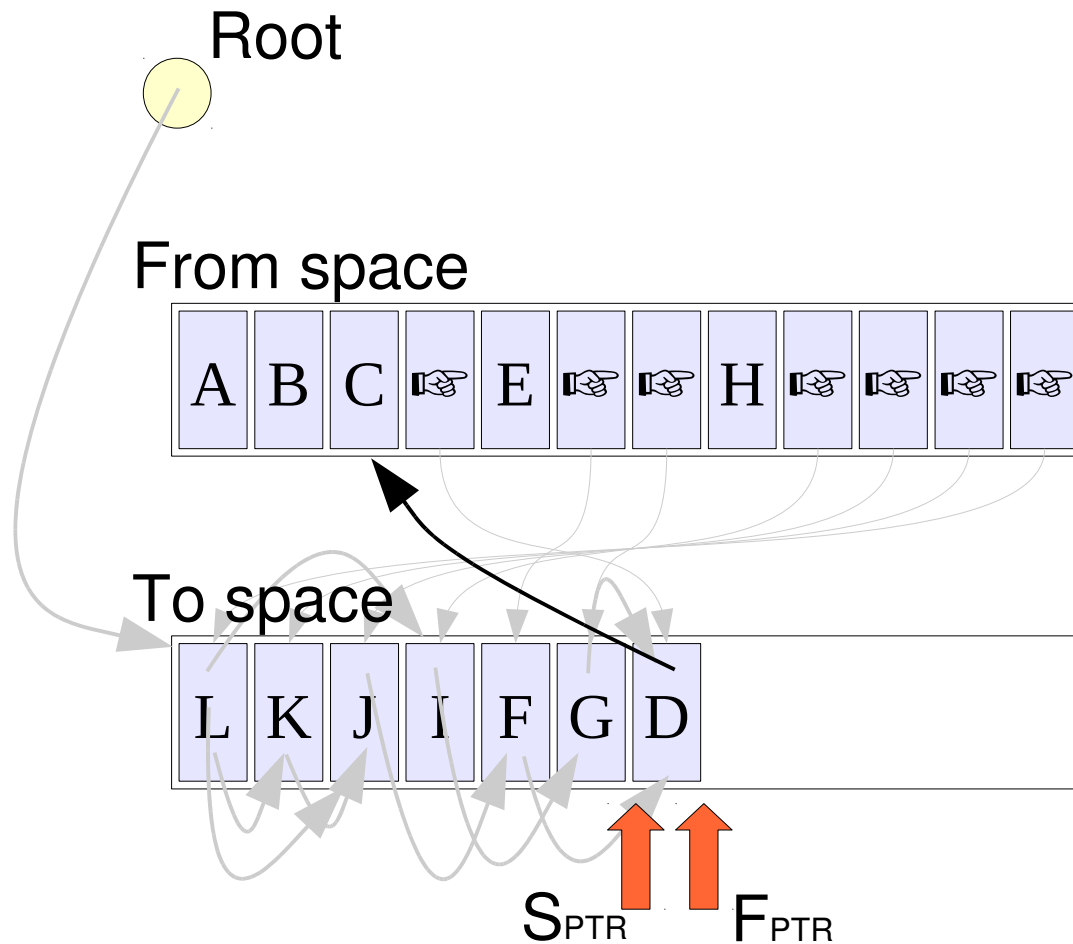


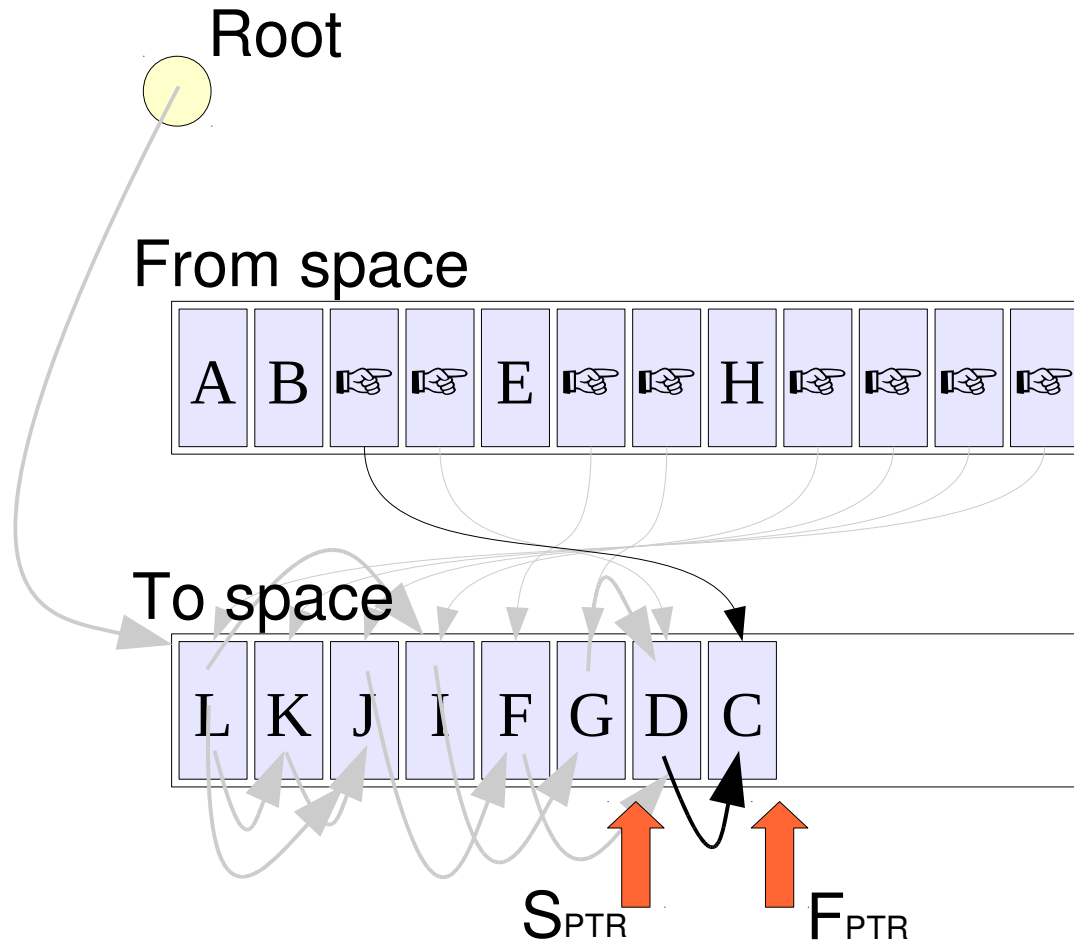


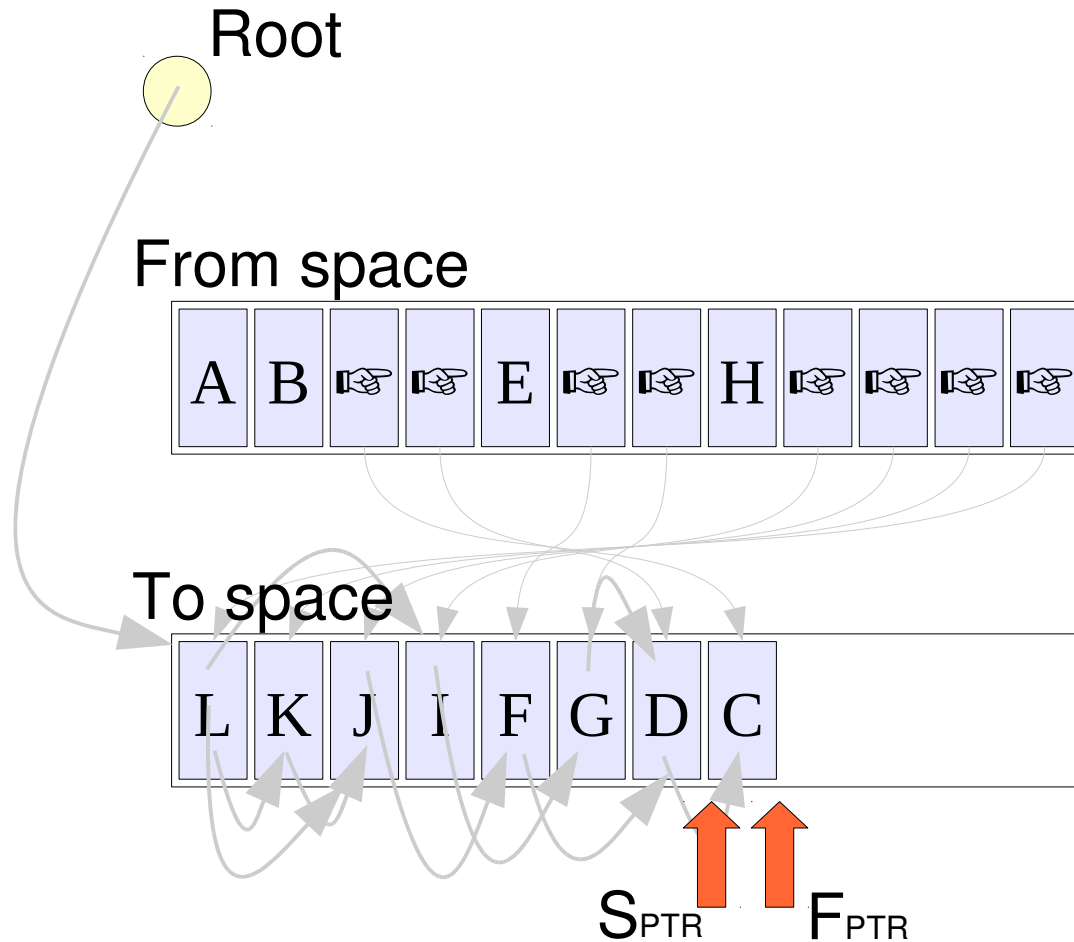


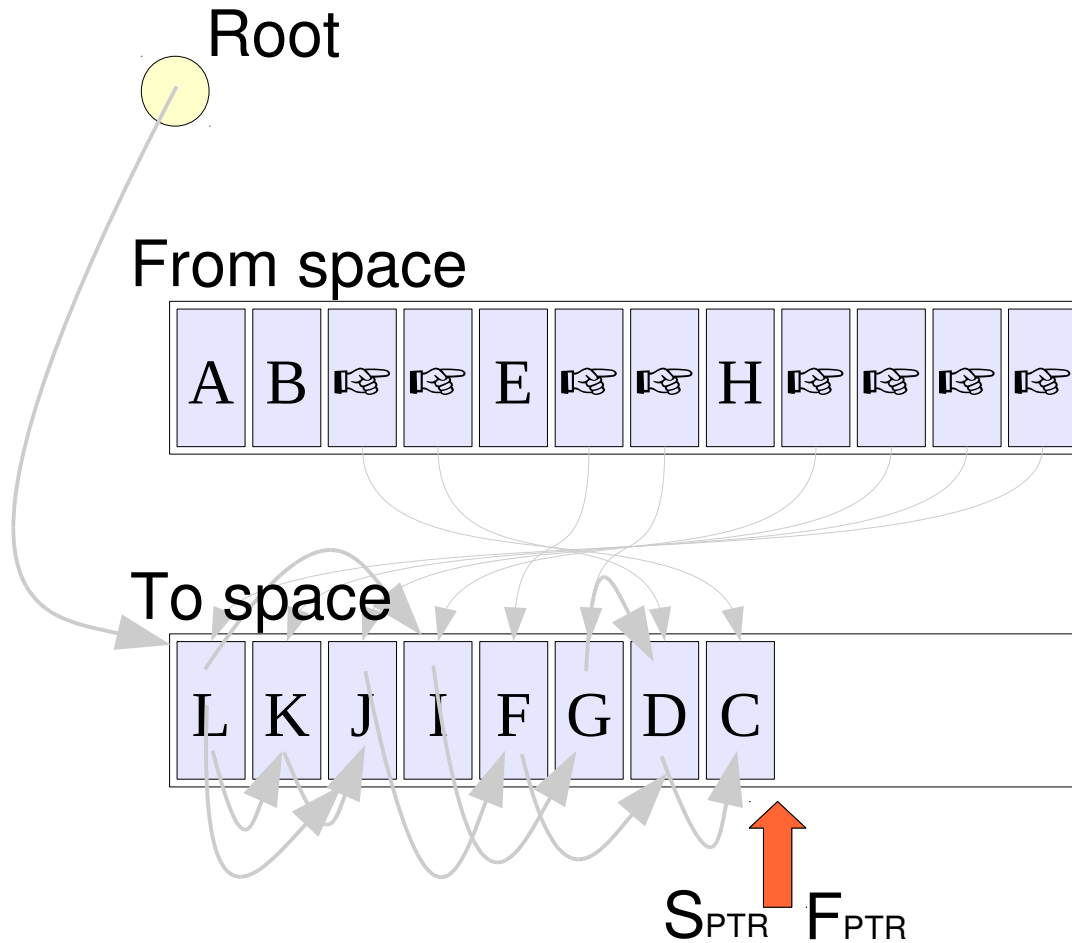


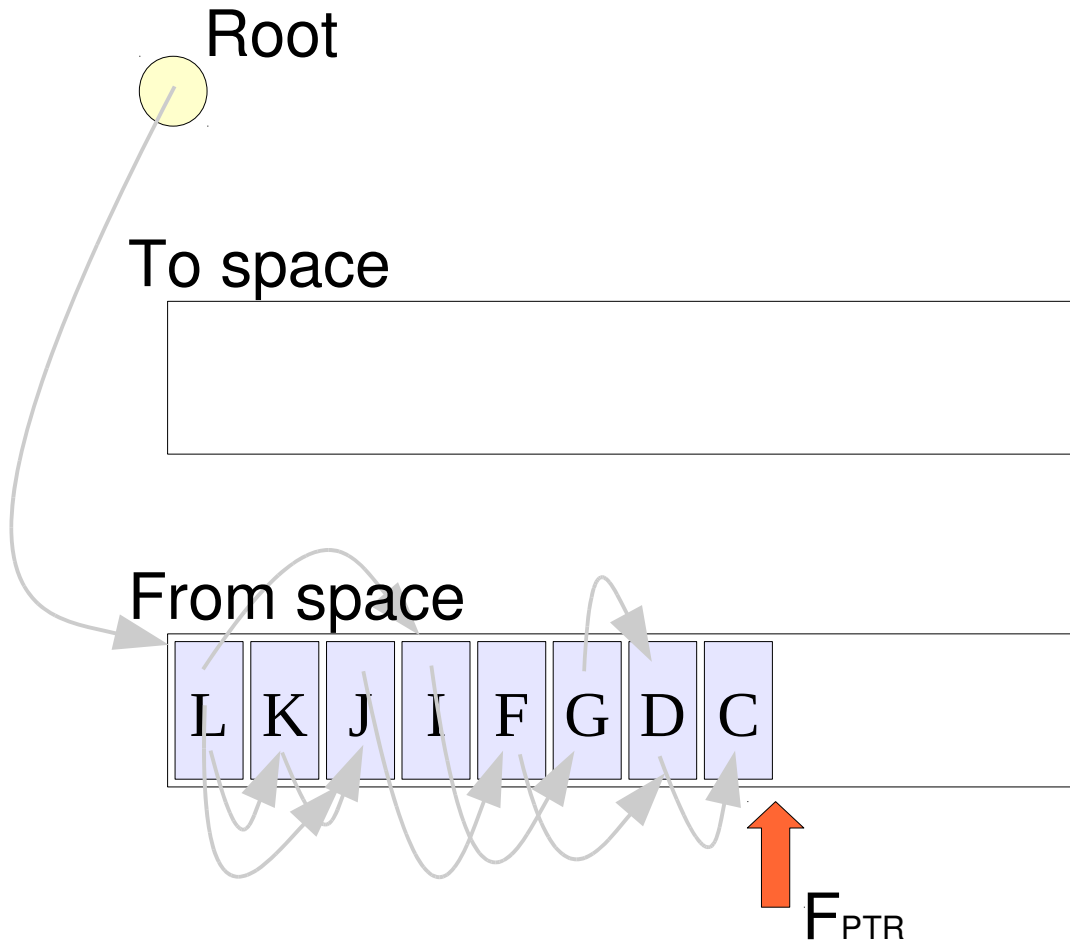


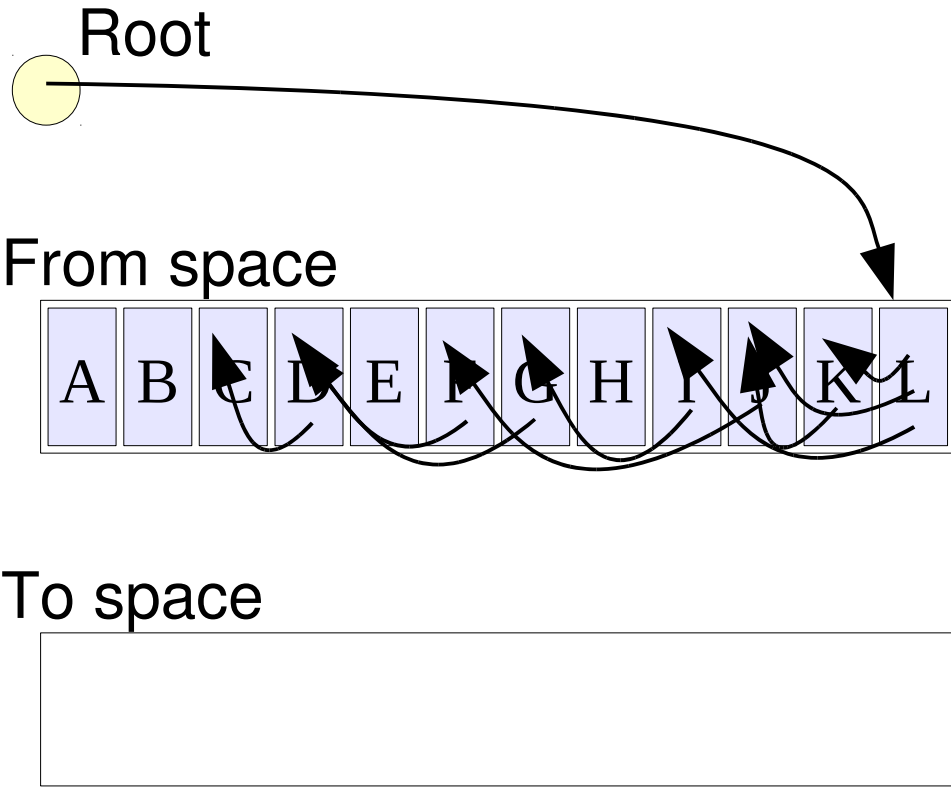


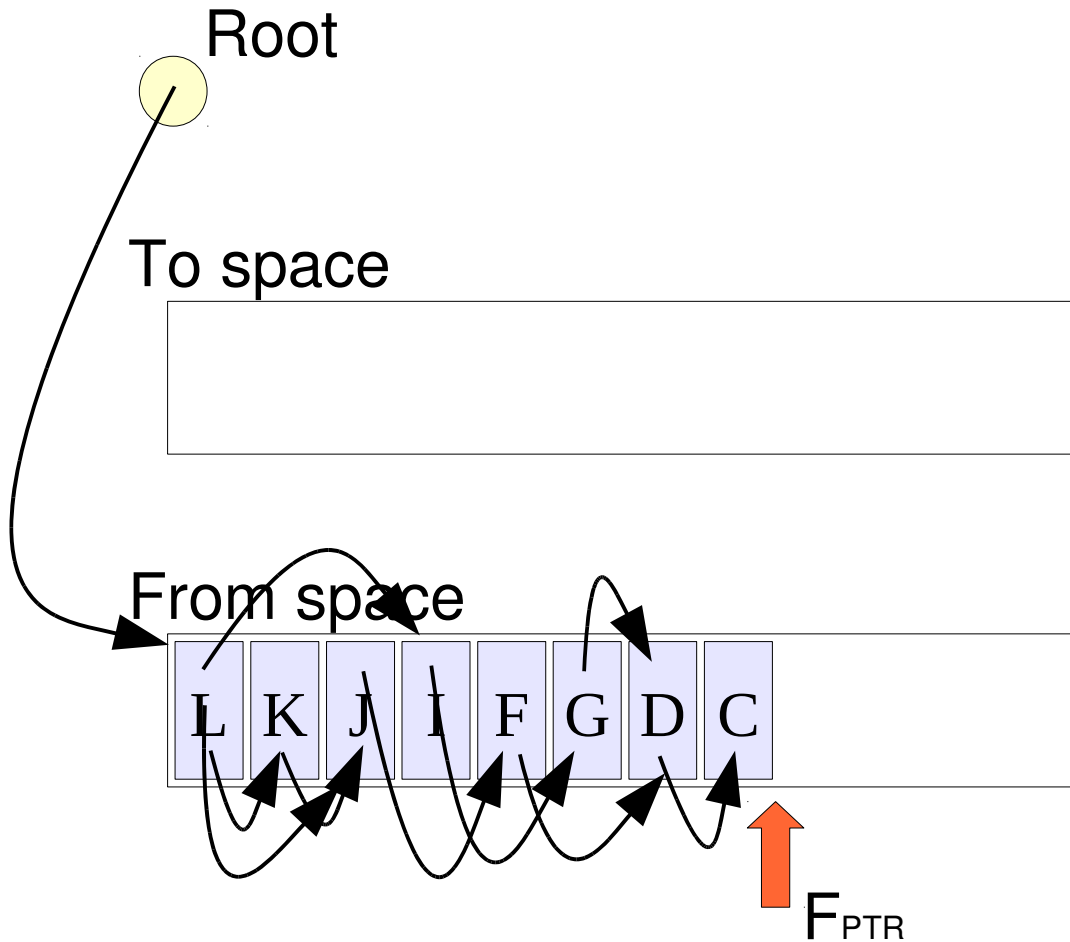






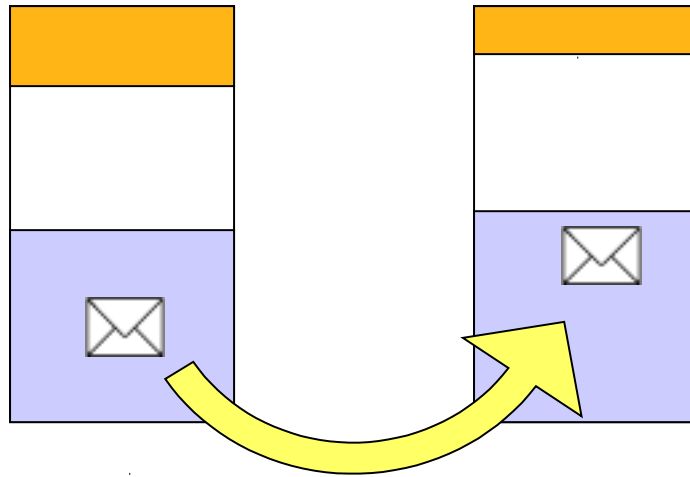


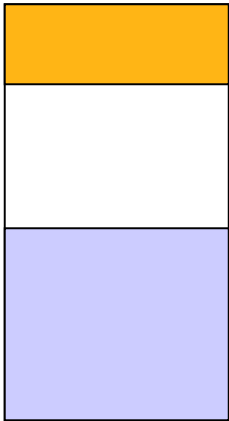


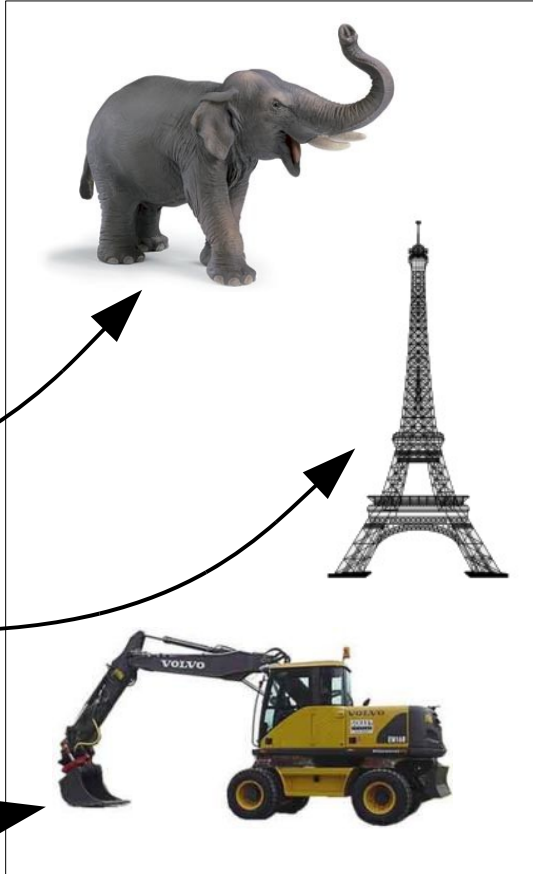
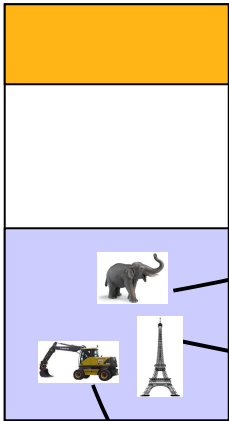


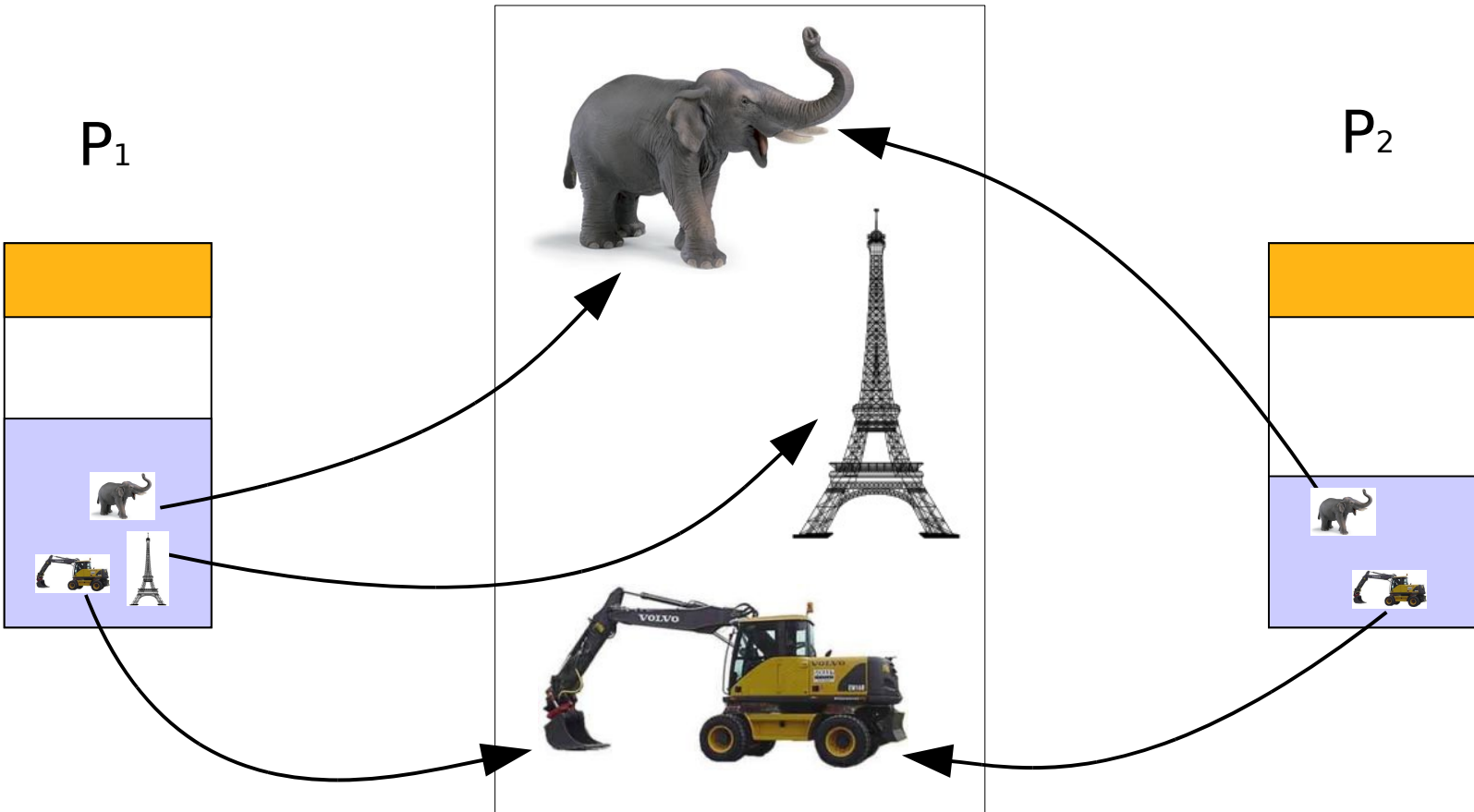
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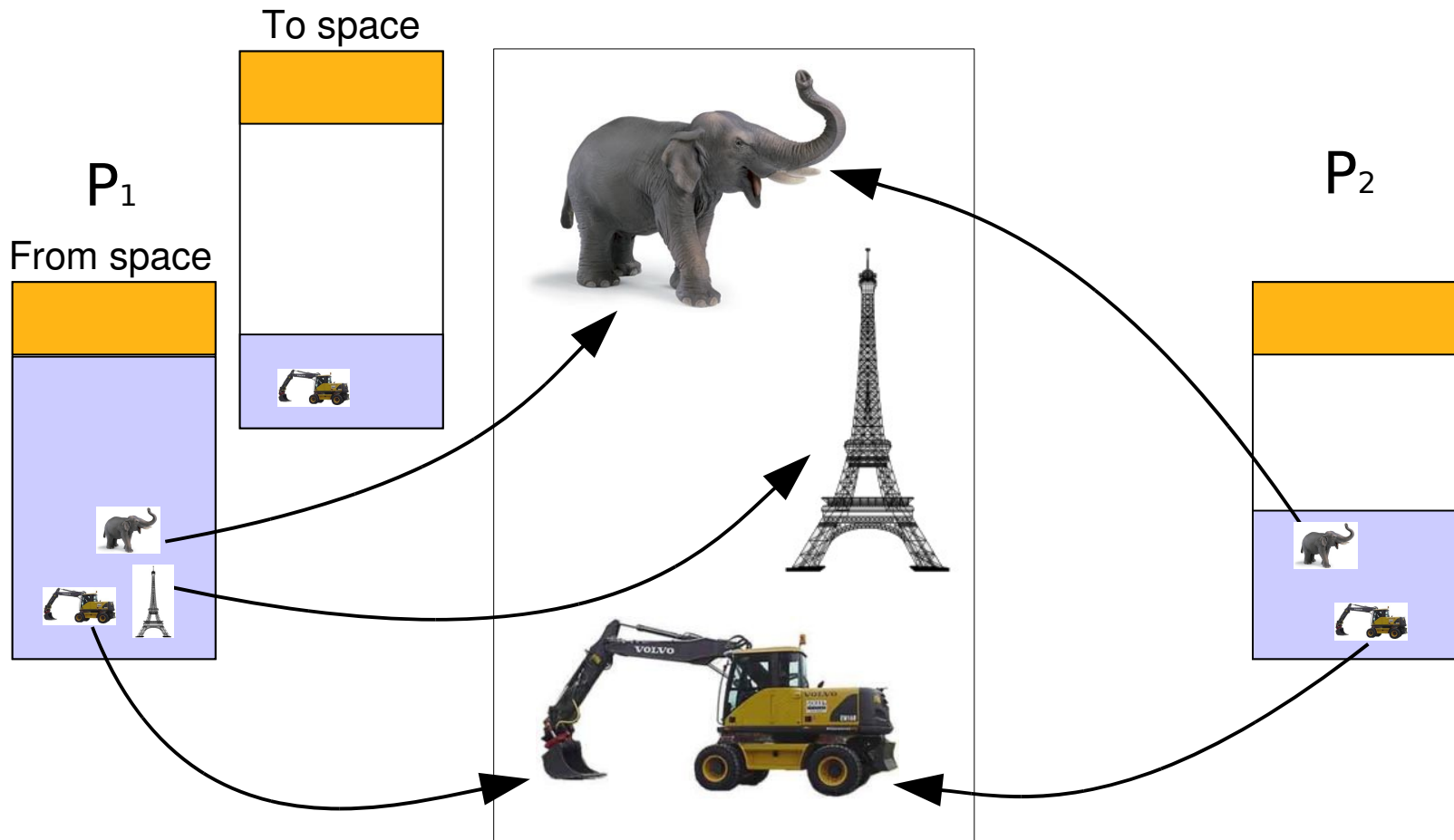
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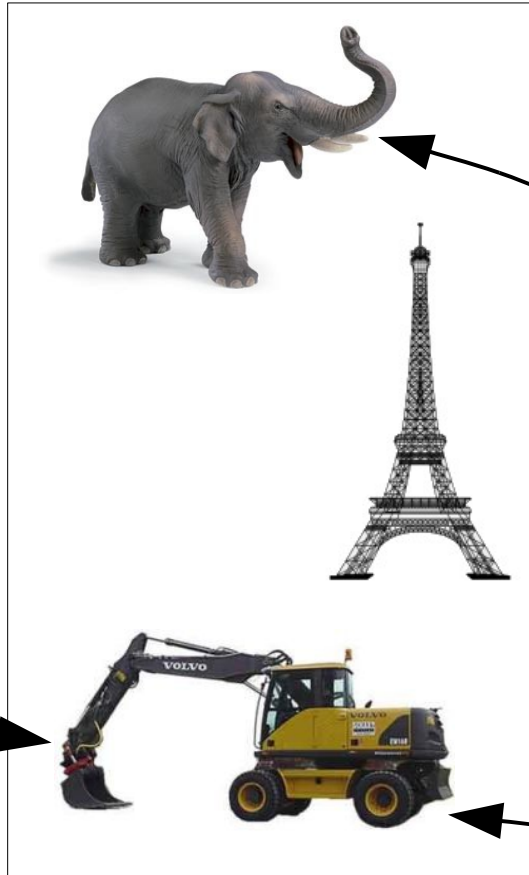
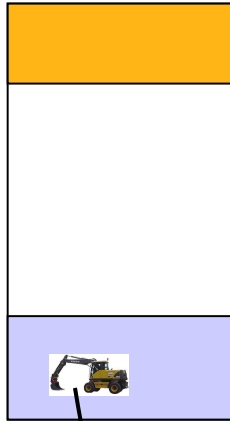




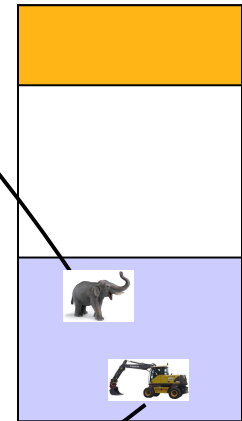


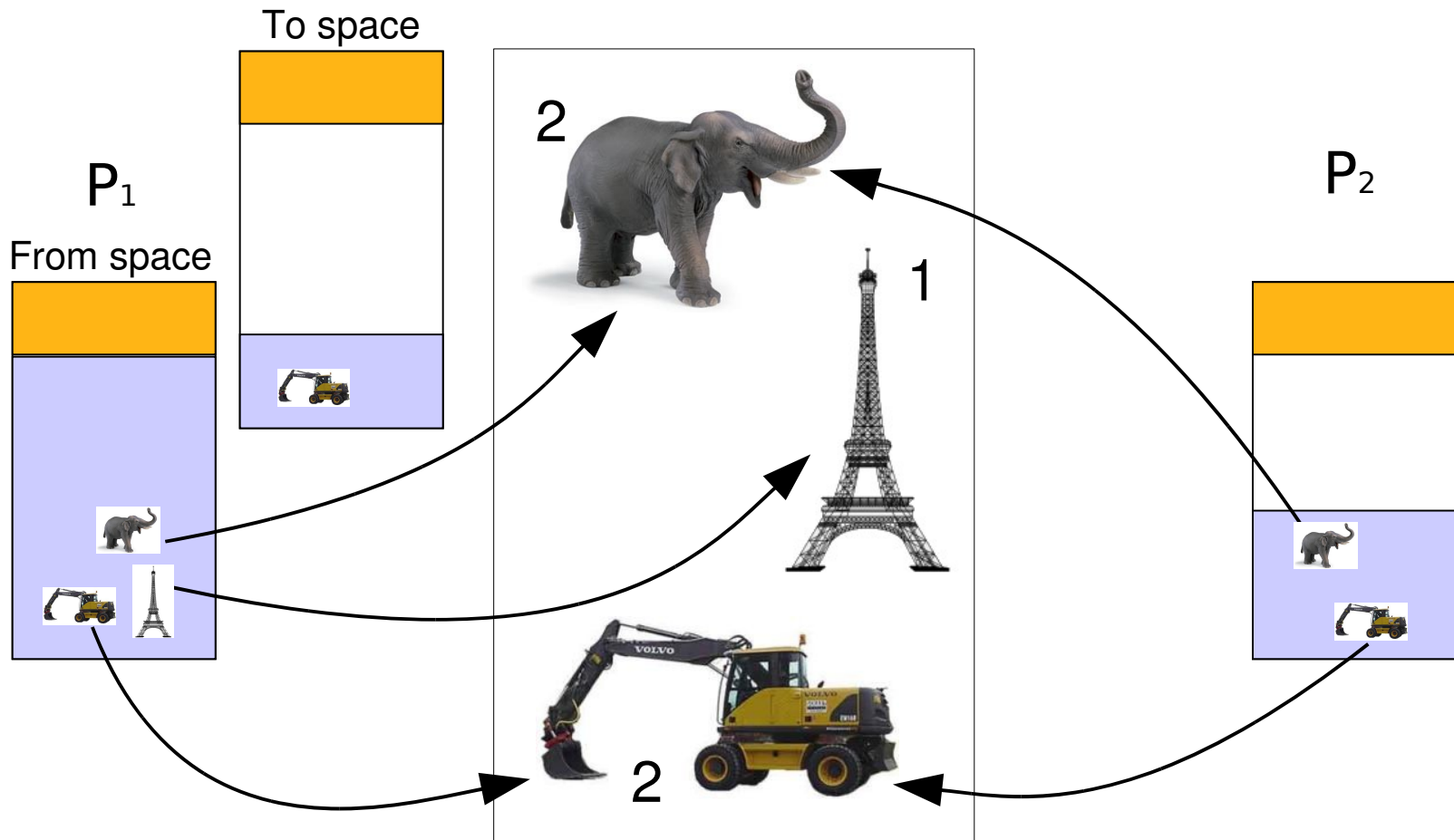


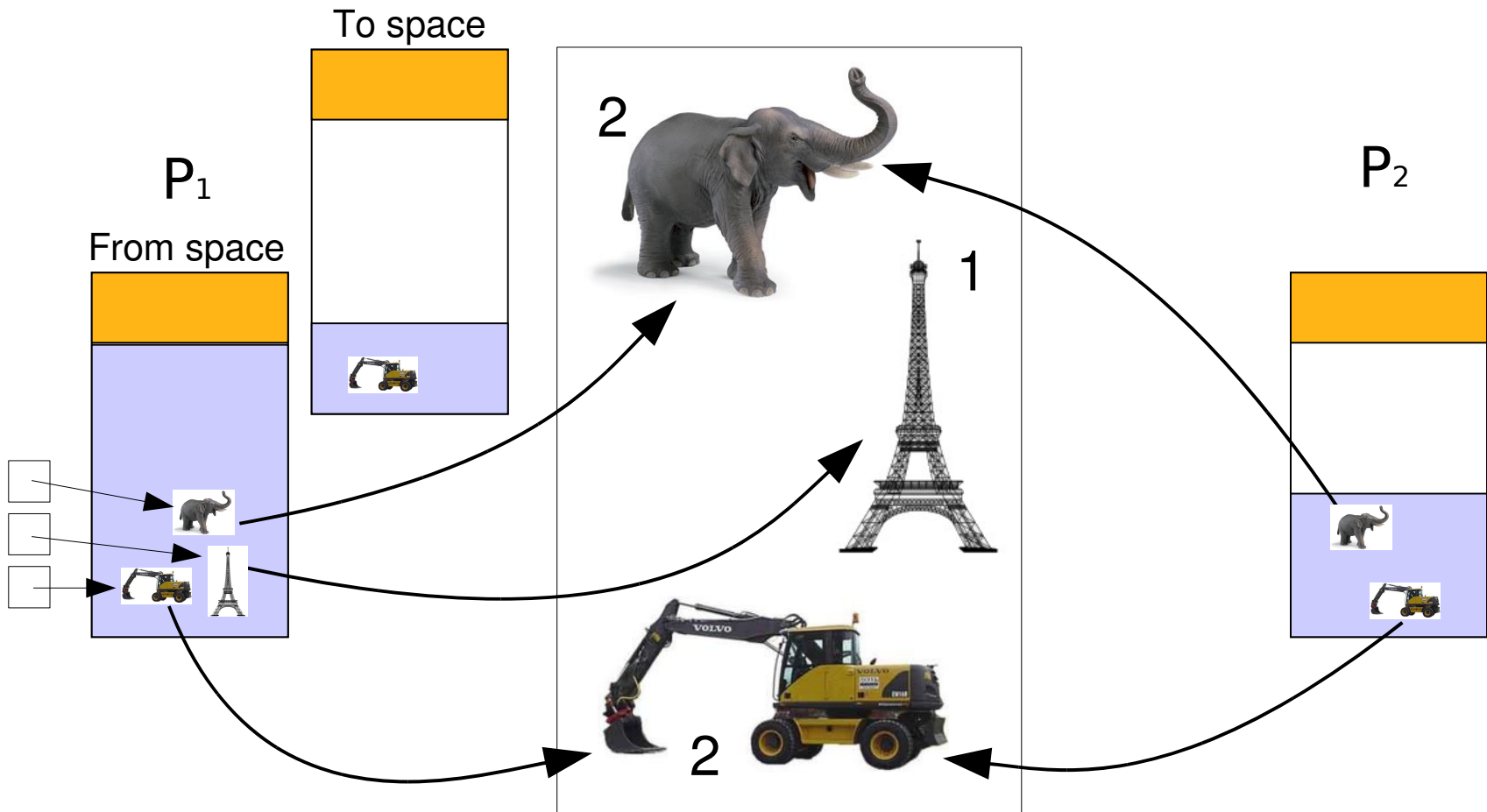
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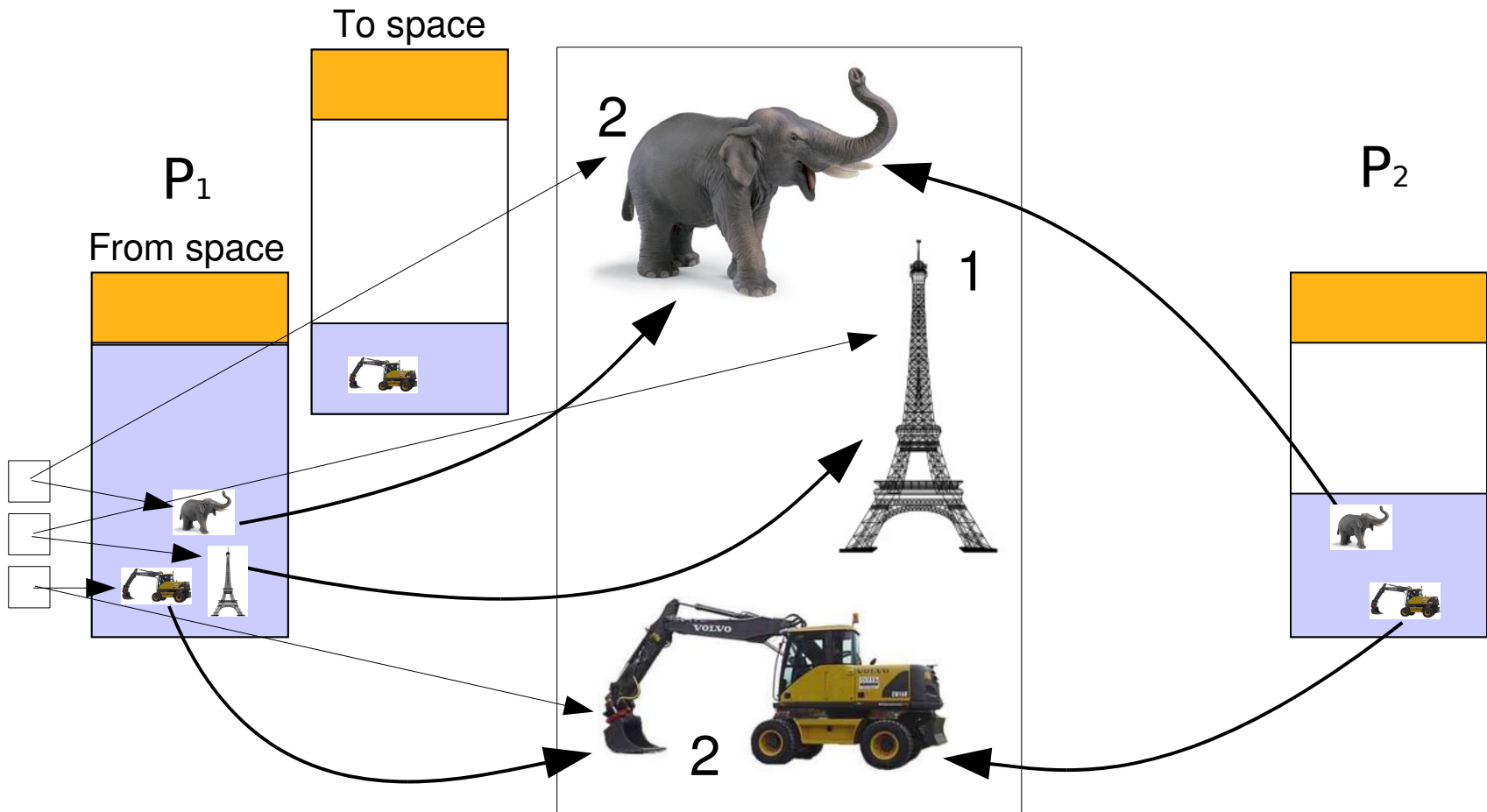


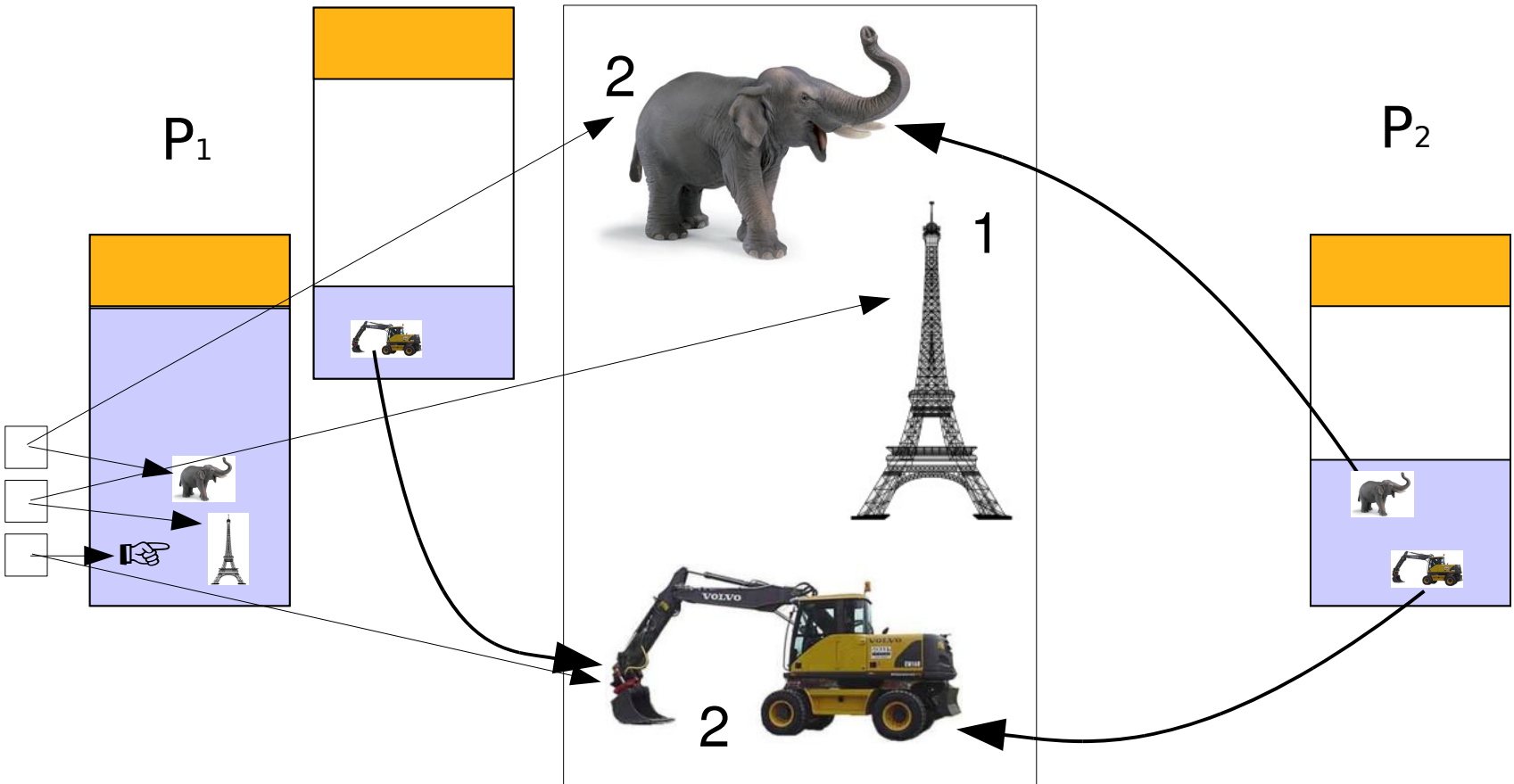
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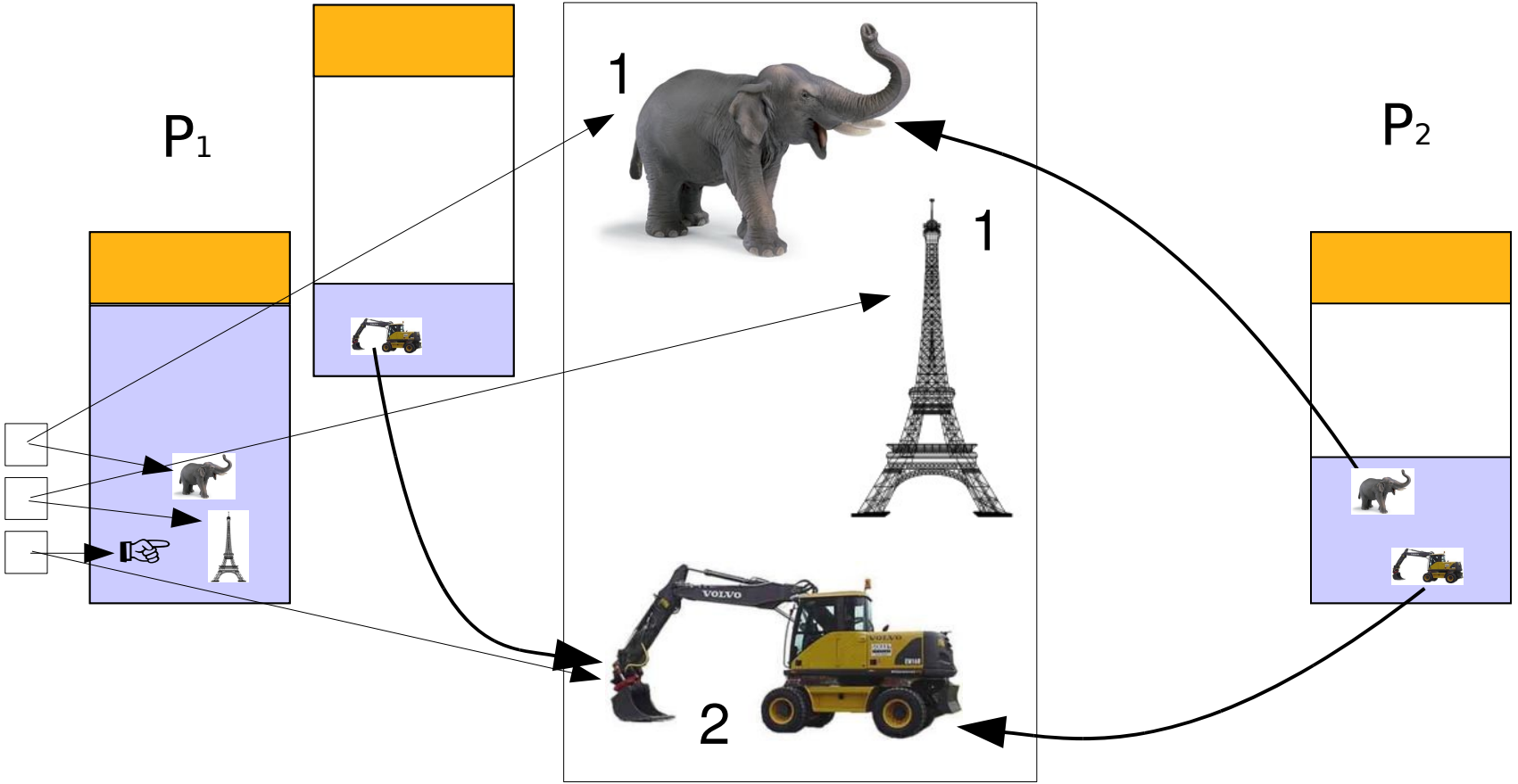


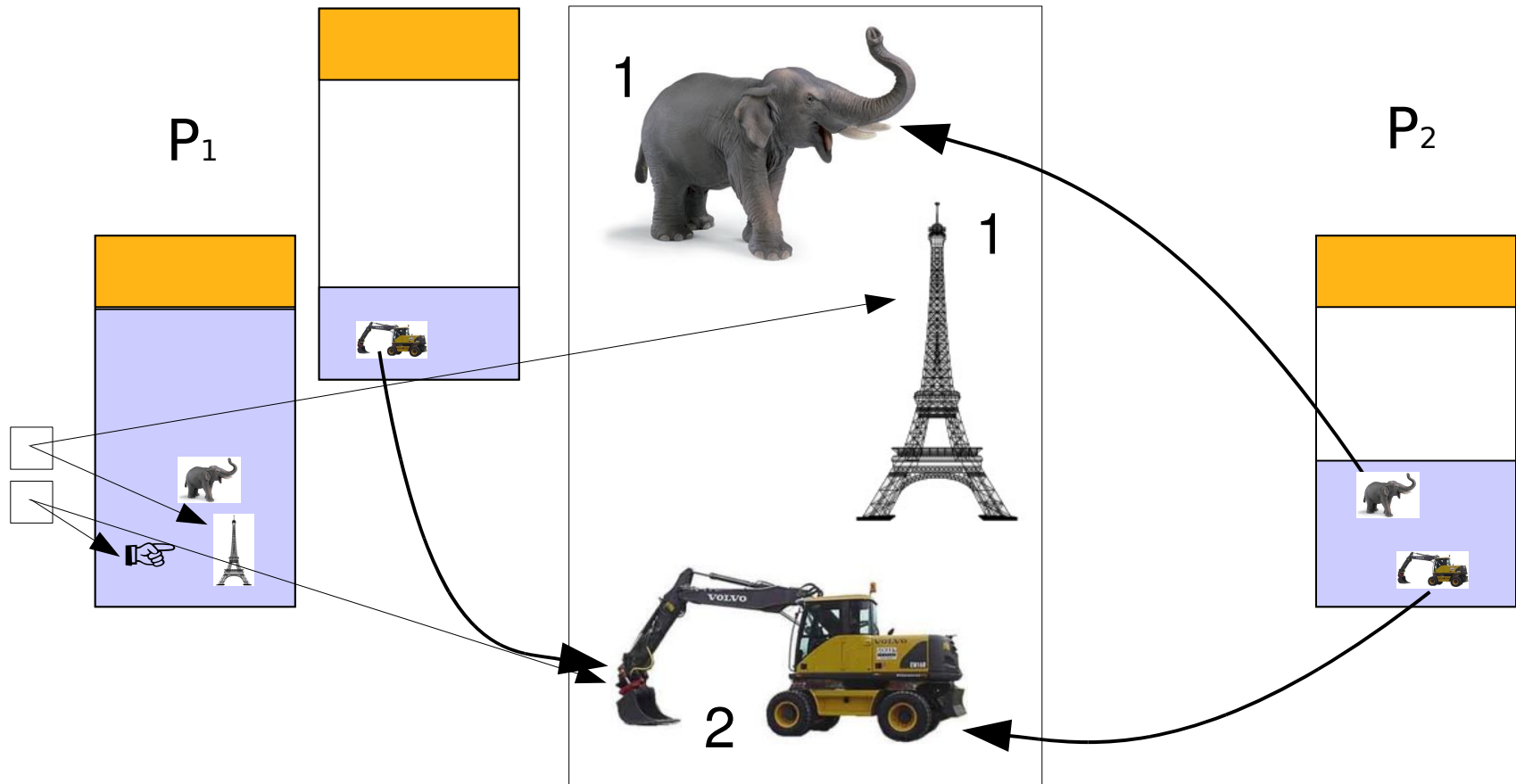
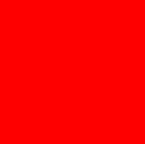


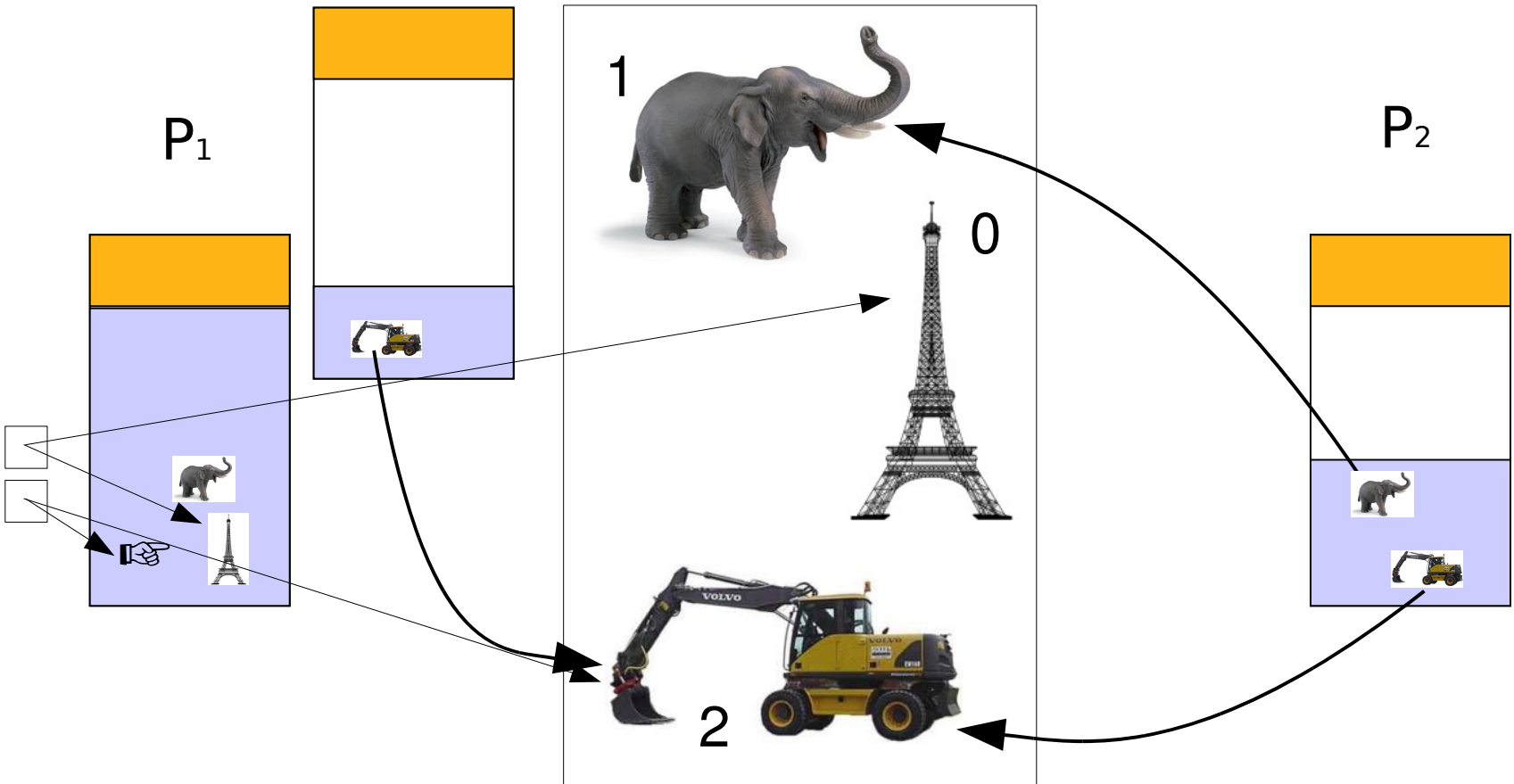


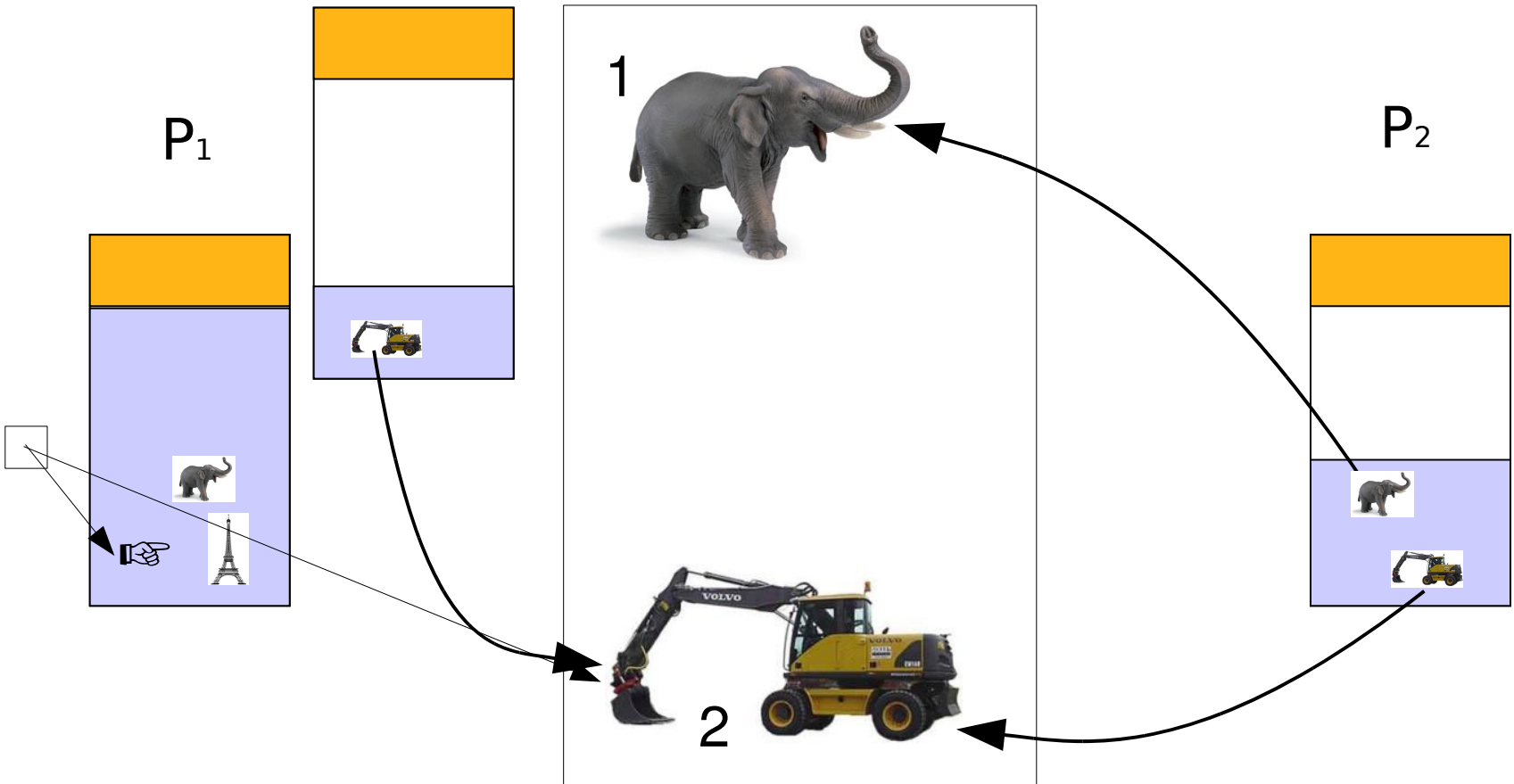


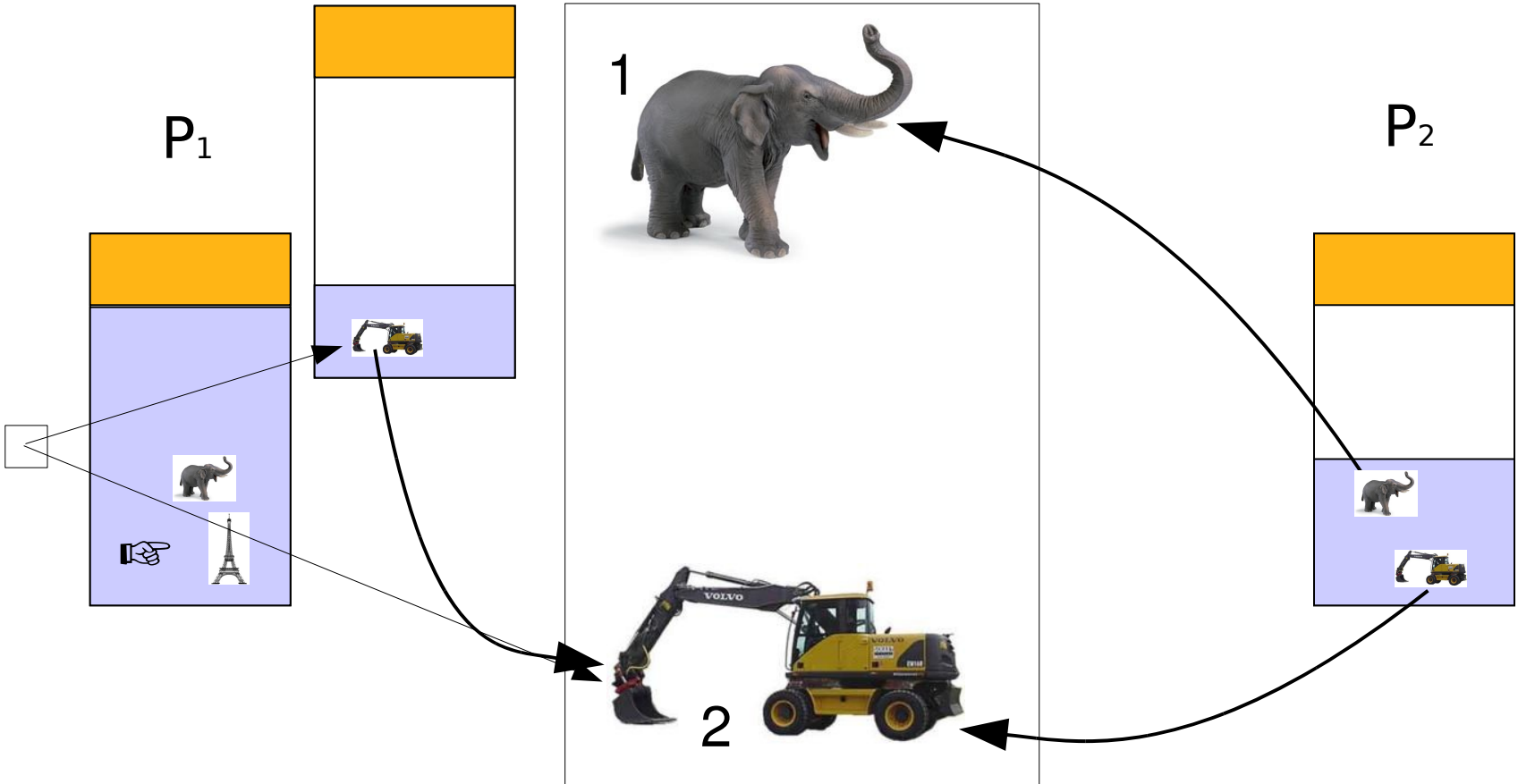


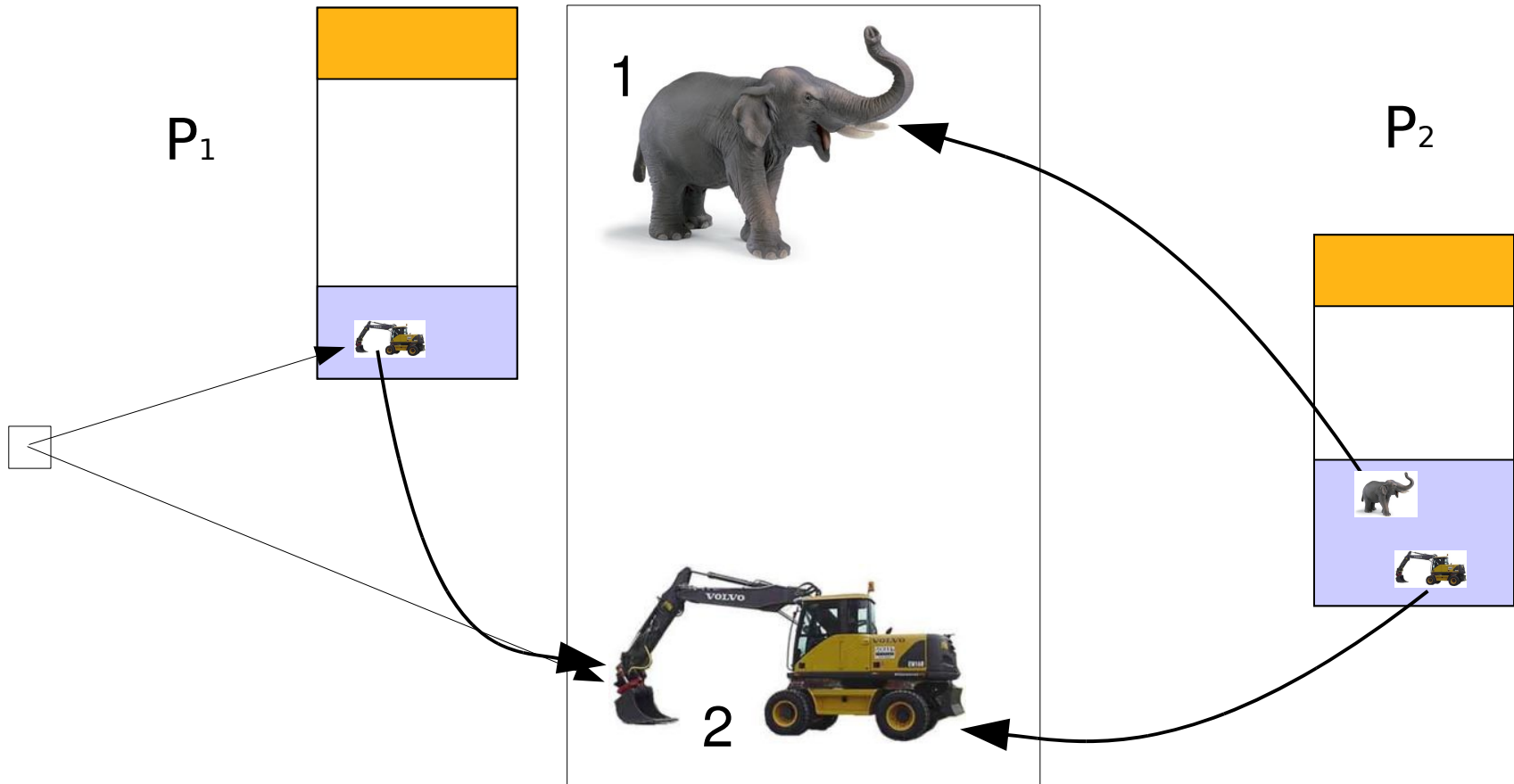
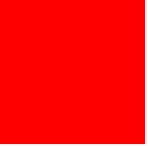














Summary



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Computer Science
Bibliography



Q&A

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