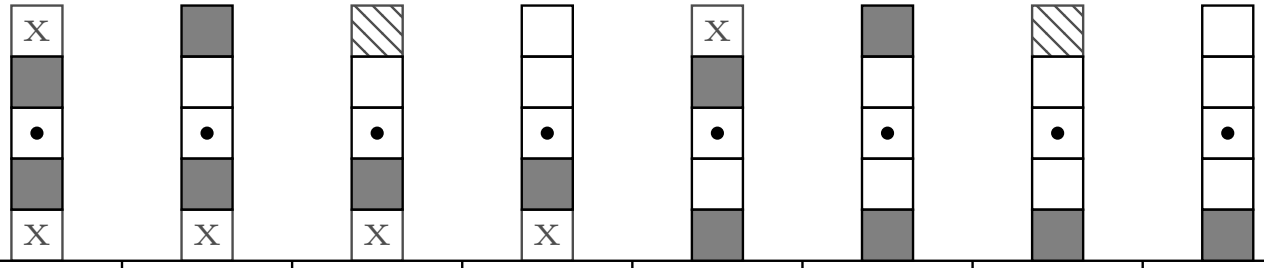

input \ memory								
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10	11,∅	01,∅	11,∅	01,∅	11,S	11,S	11,S	11,S
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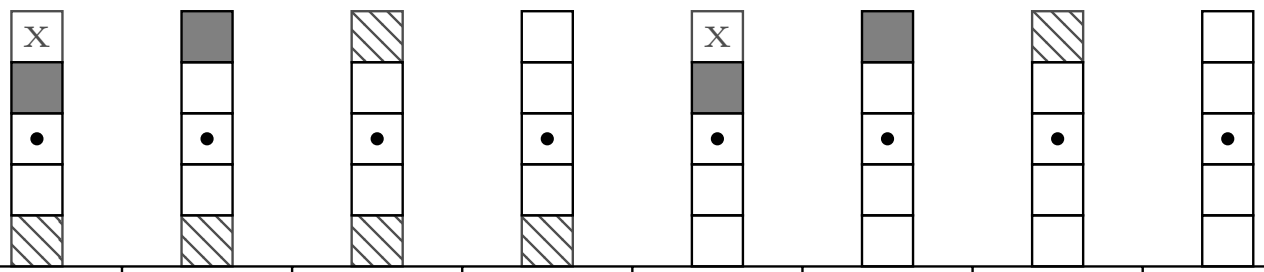

input \ memory								
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01	10,∅	00,N	10,∅	00,N	10,∅	00,N	10,∅	00,N
10	11,S	11,S	11,S	11,S	11,S	11,S	11,S	11,S
11	10,∅	10,∅	10,∅	10,∅	10,∅	10,∅	10,∅	10,∅