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| $\langle \rangle$ |
| ϵ |

(i)

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|-------------------|
| $\langle \rangle$ |
| x |

(ii)

| |
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| $\langle o_4 : \text{INS}(b, 2) \rangle$ |
| xb |

(iii)

| |
|---|
| $\langle o'_4 : \text{INS}(b, 1) \rangle$ |
| b |

(iv)

| |
|--|
| $\langle o''_4 : \text{INS}(b, 1) \rangle$ |
| ba |

(v)