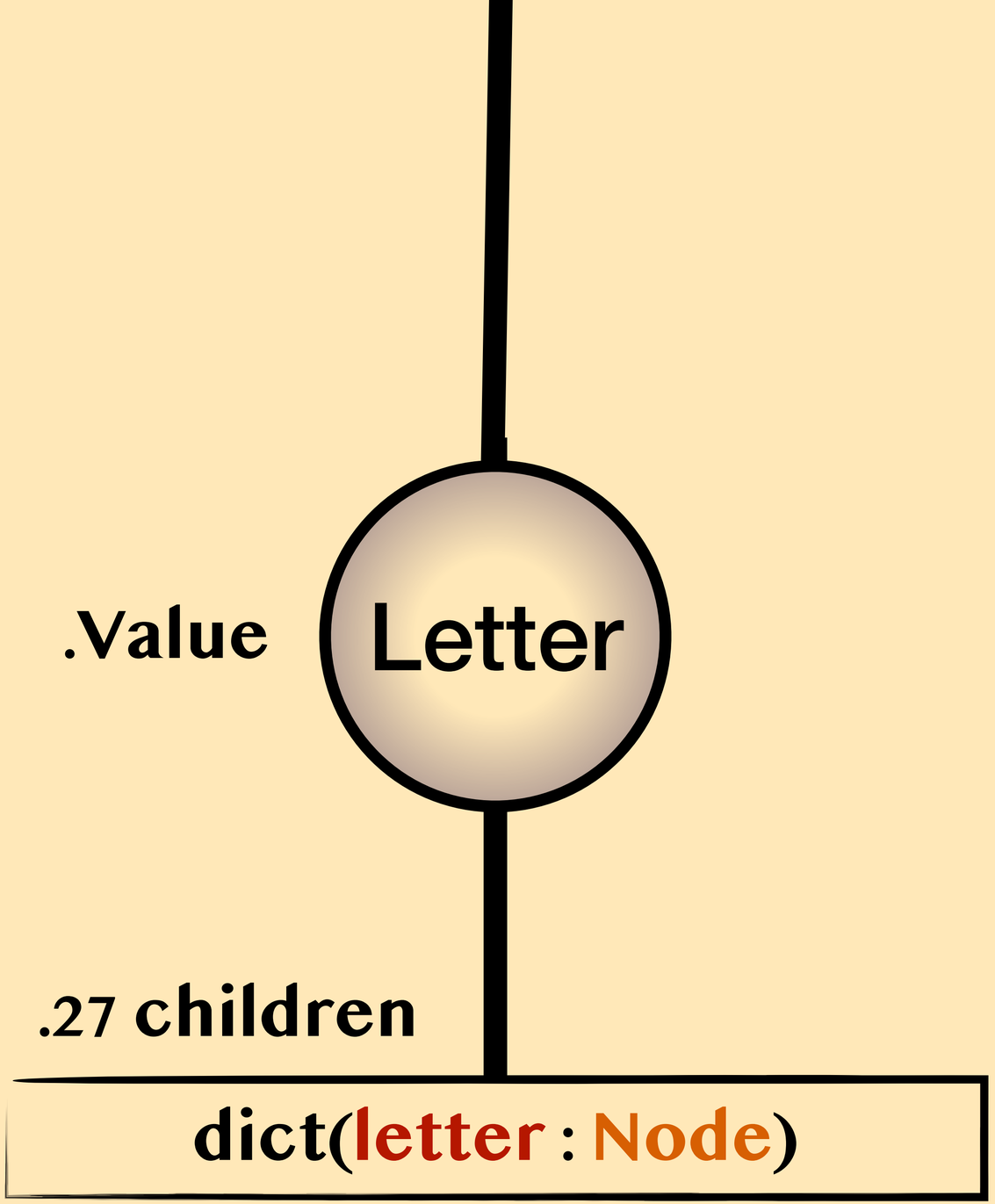
Trie. Red-Black Tree.

Seminar 6.

Plan for the day

	Seminar 1	Seminar 2
All together	1. Revise Trie 2. Implement Compact trie	1. Implement Compact trie
Pro level	1. Implement Red-Black tree	

Trie node



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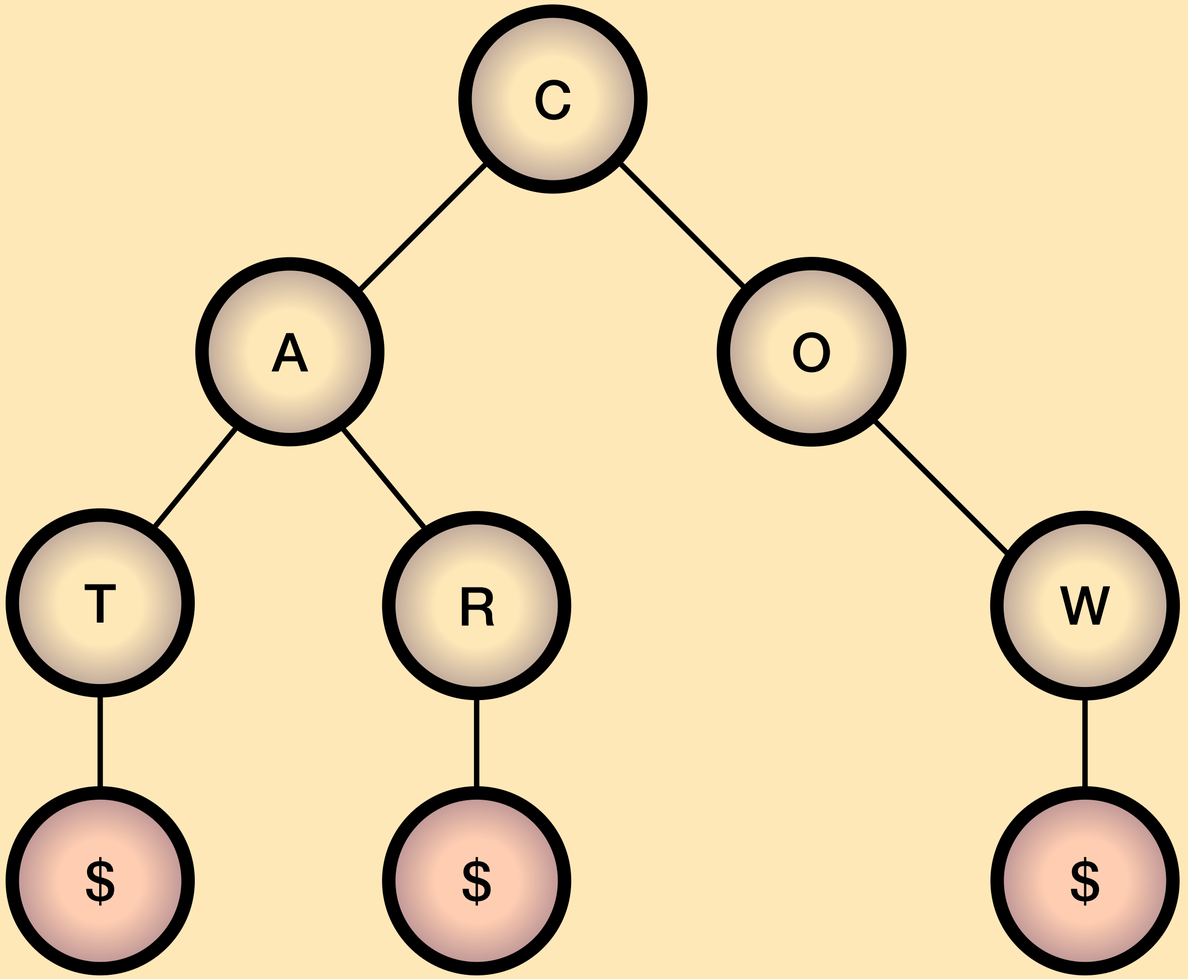

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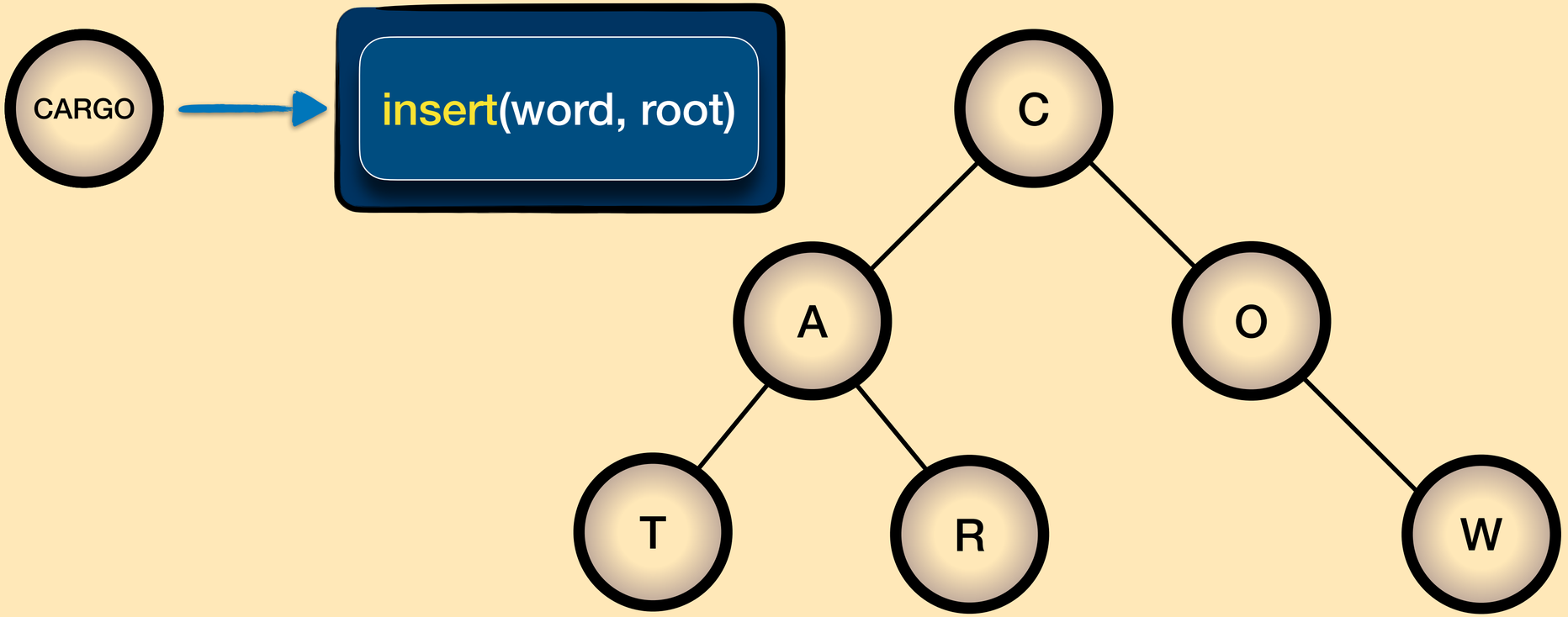

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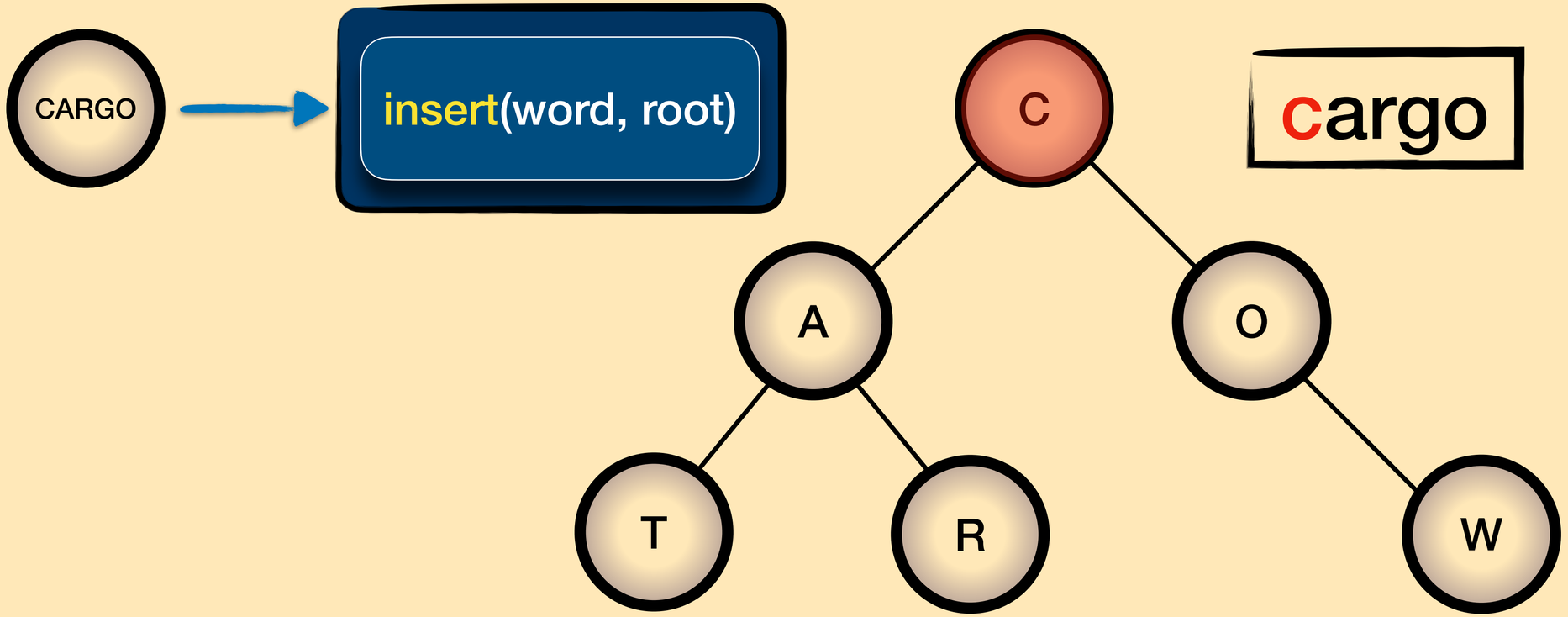

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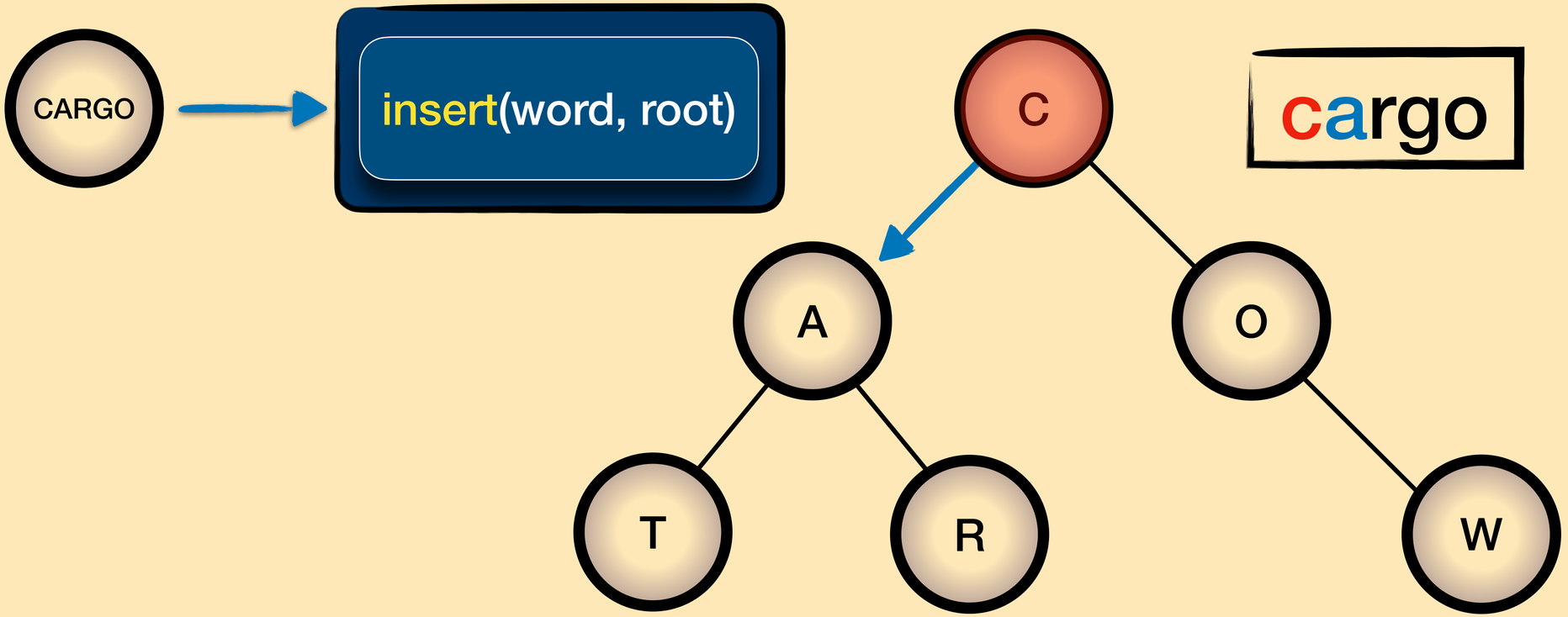

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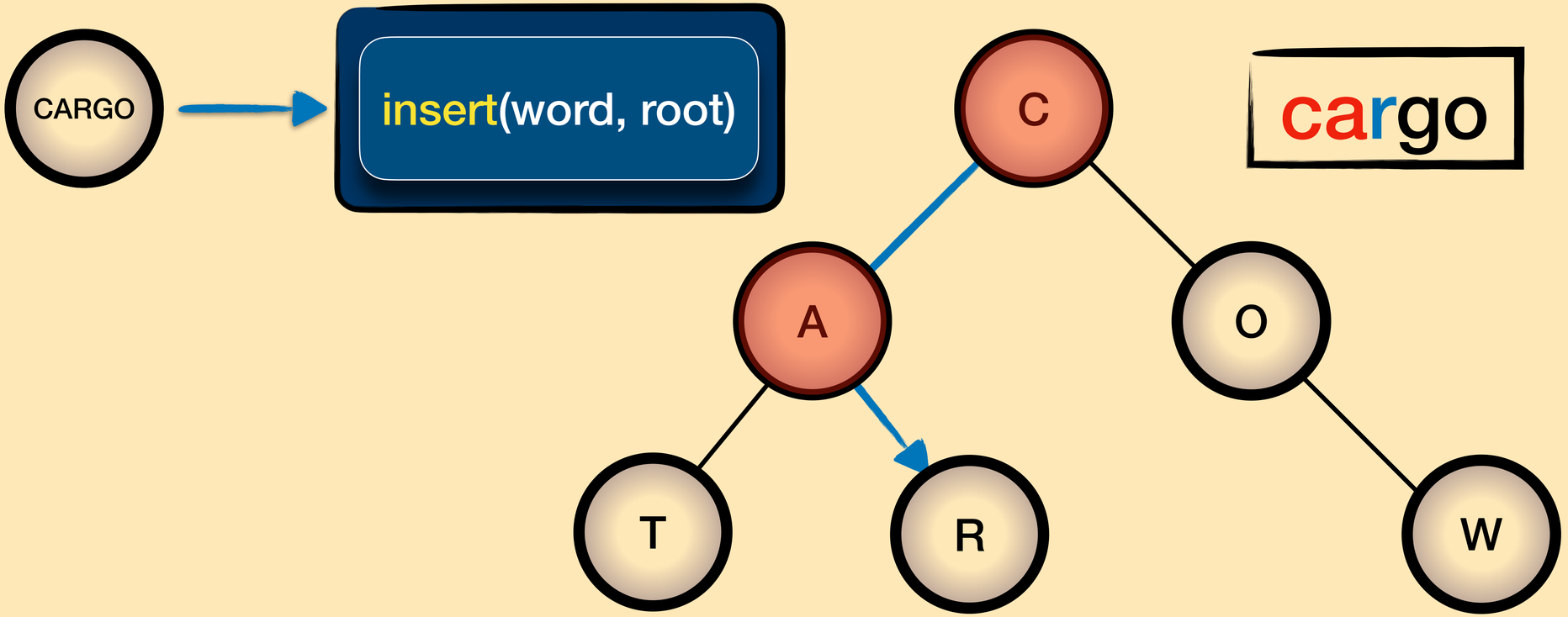

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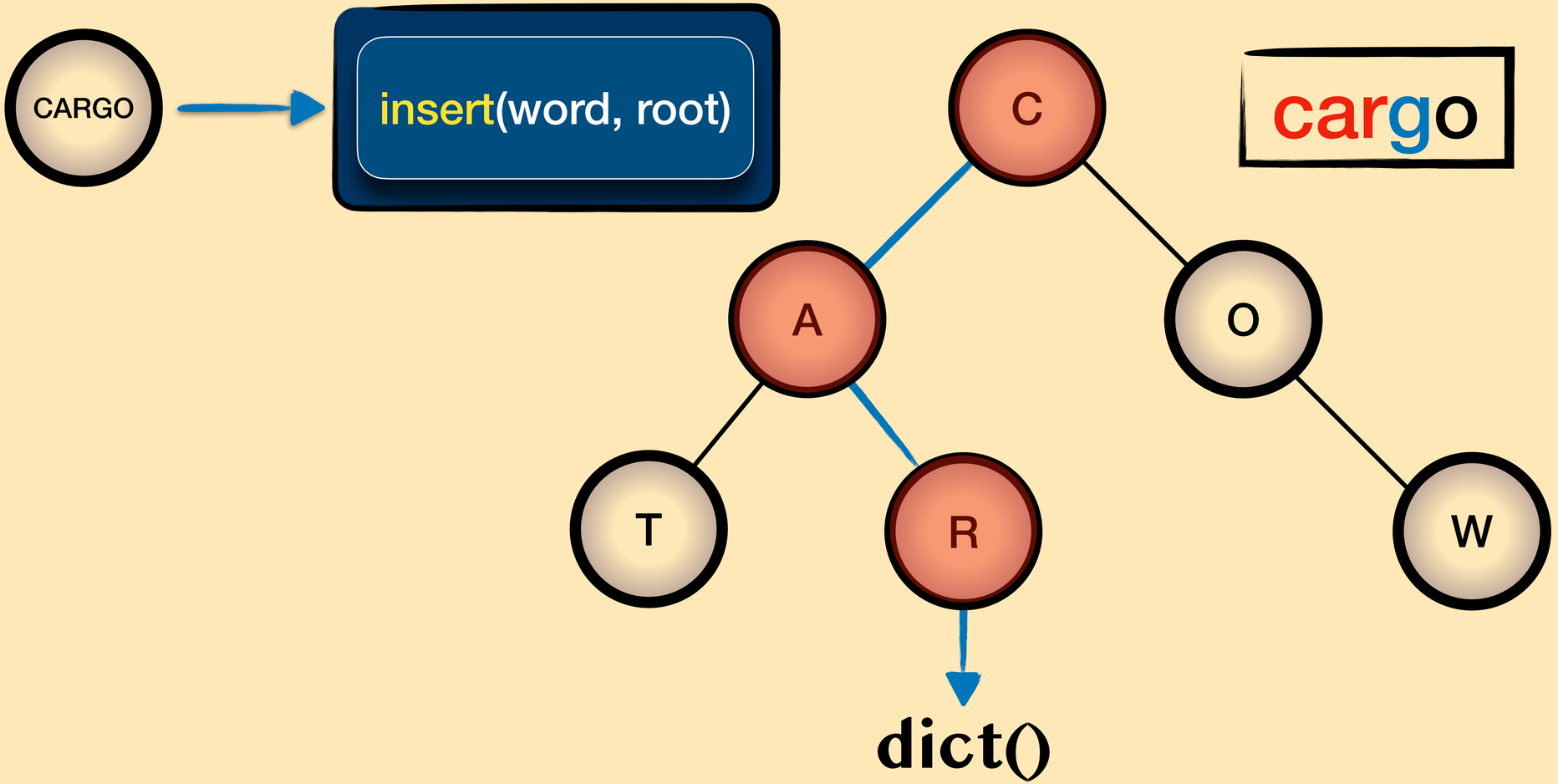

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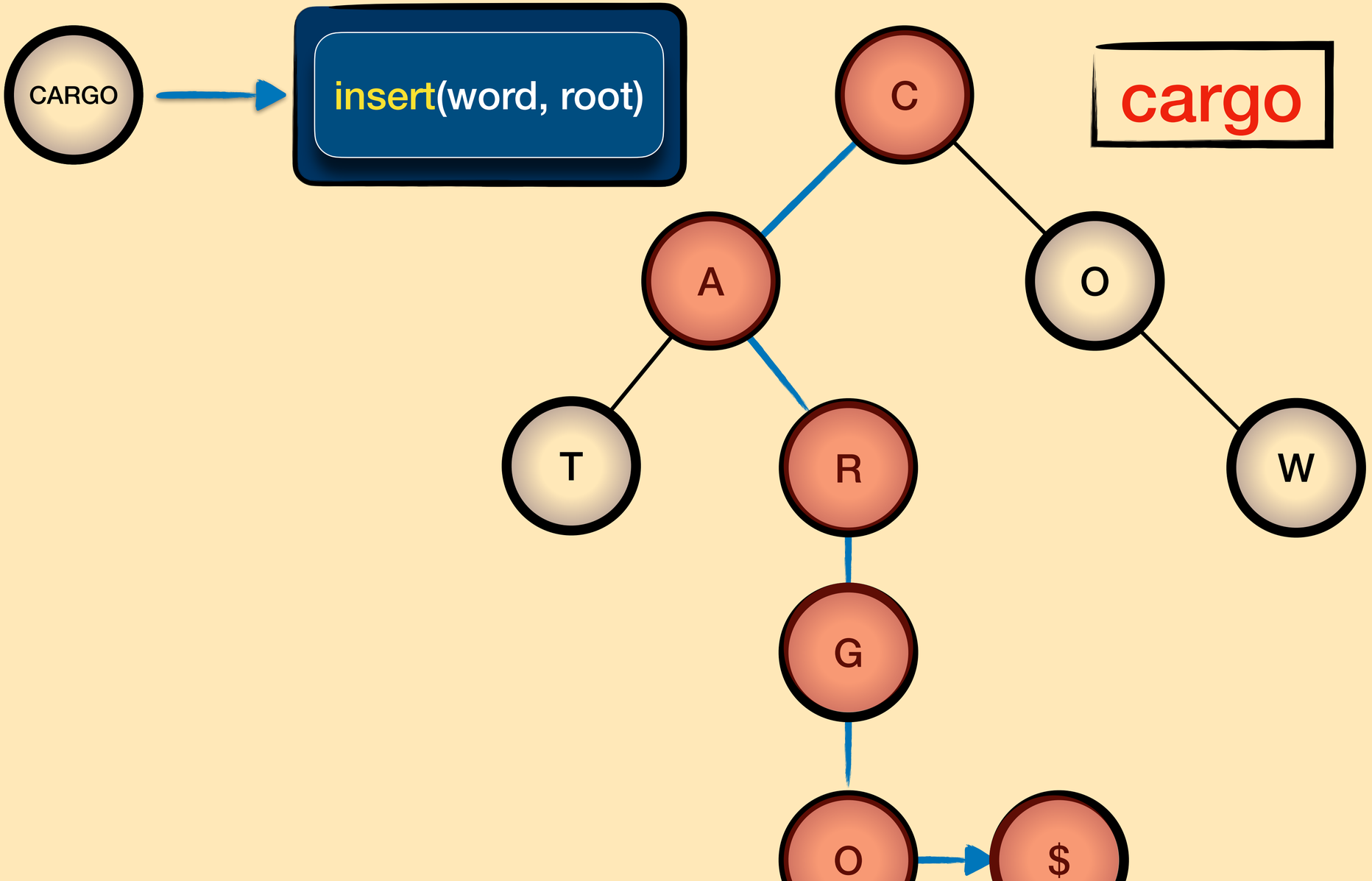
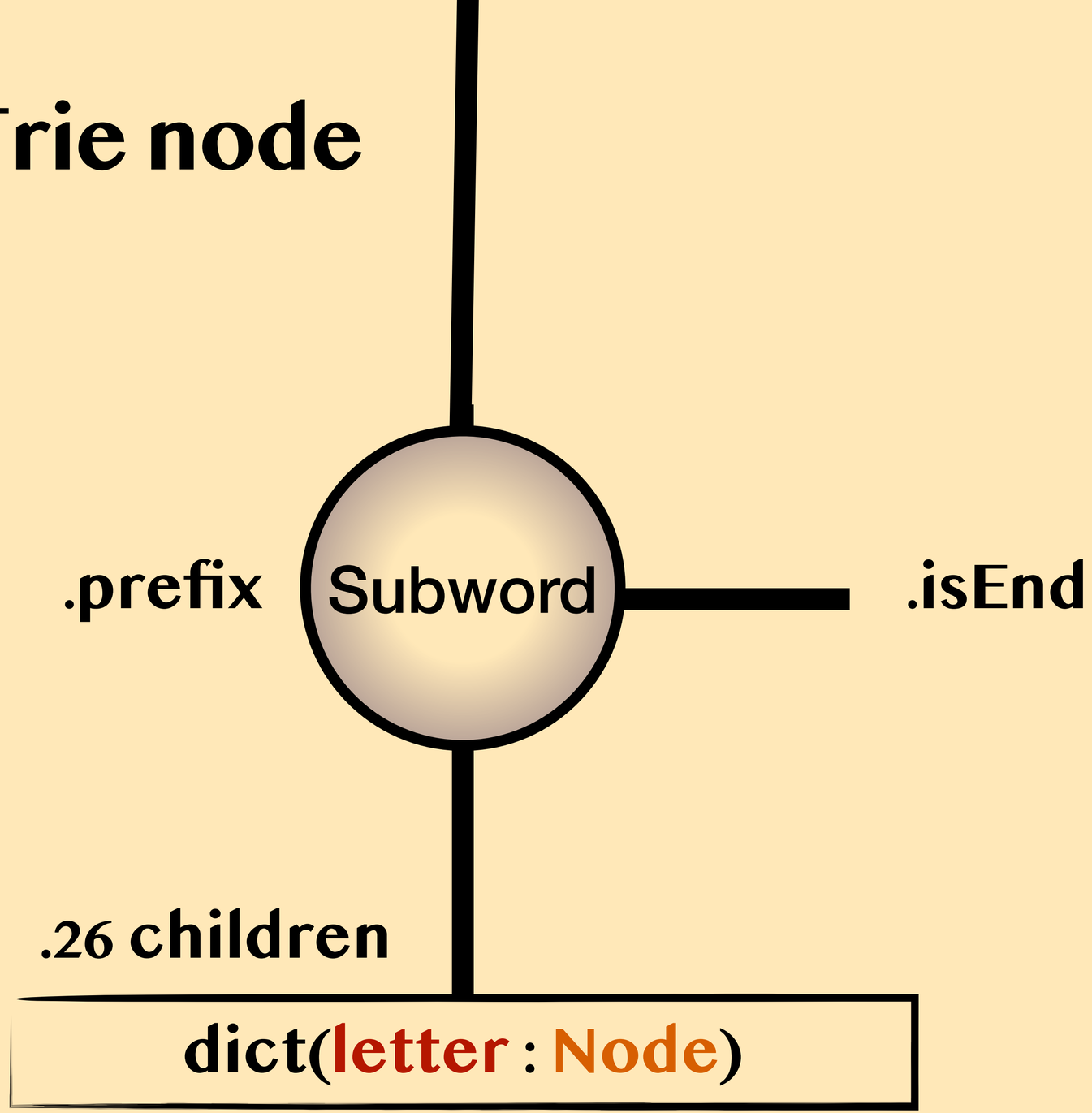


Compact Trie node



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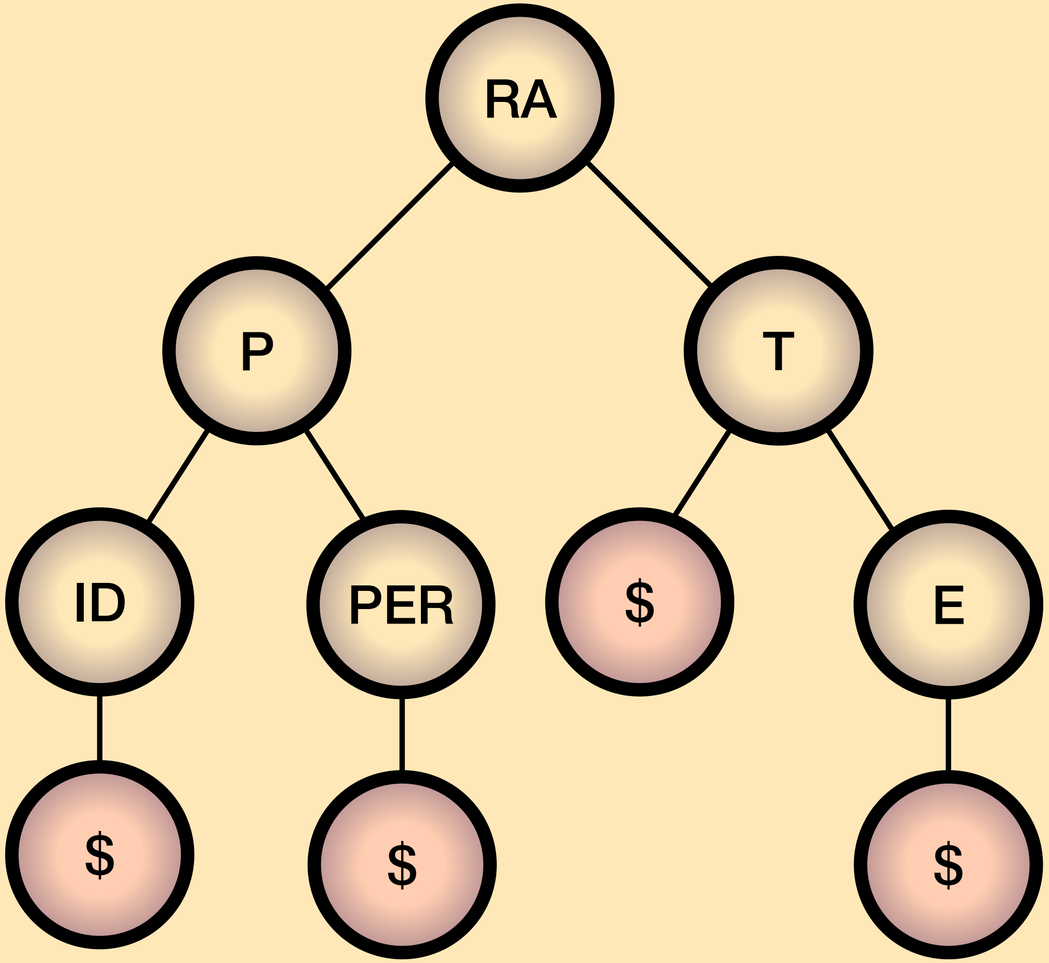

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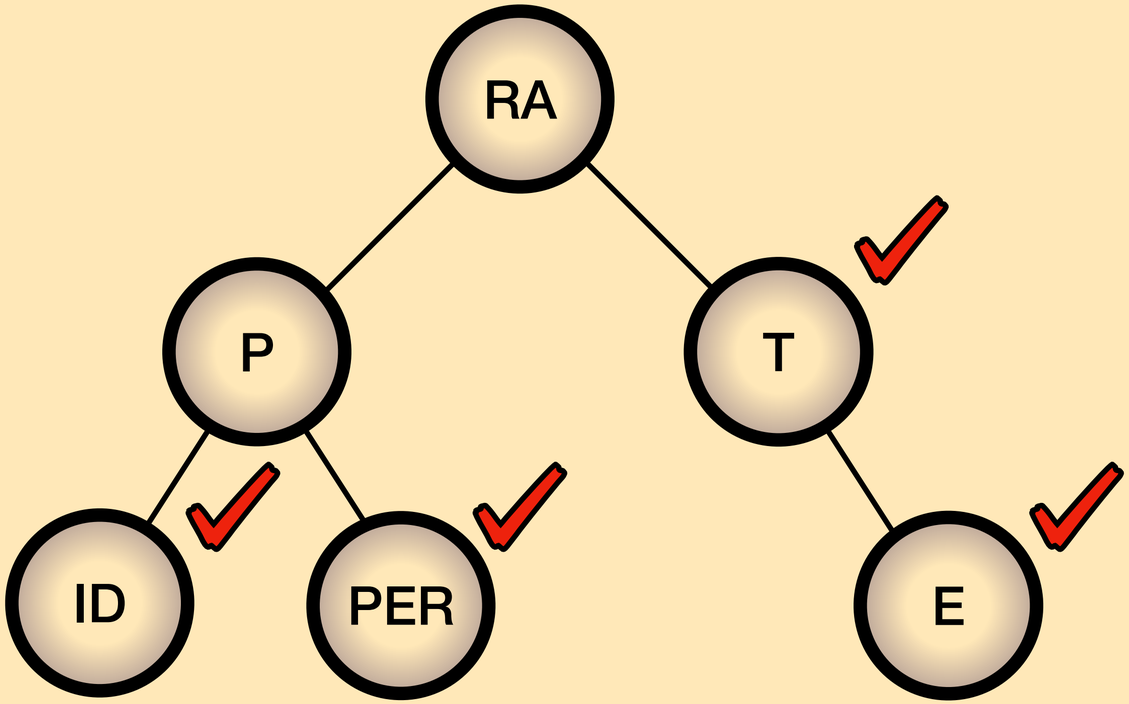
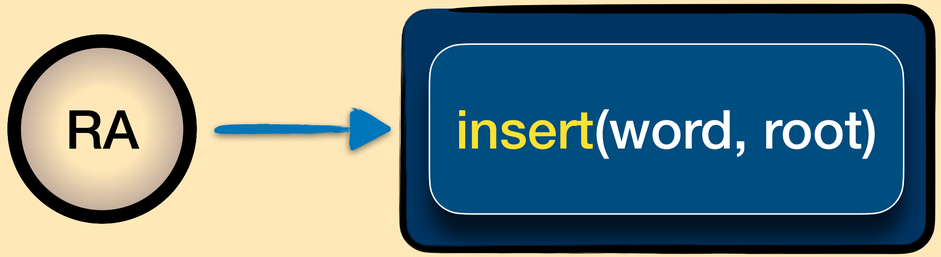
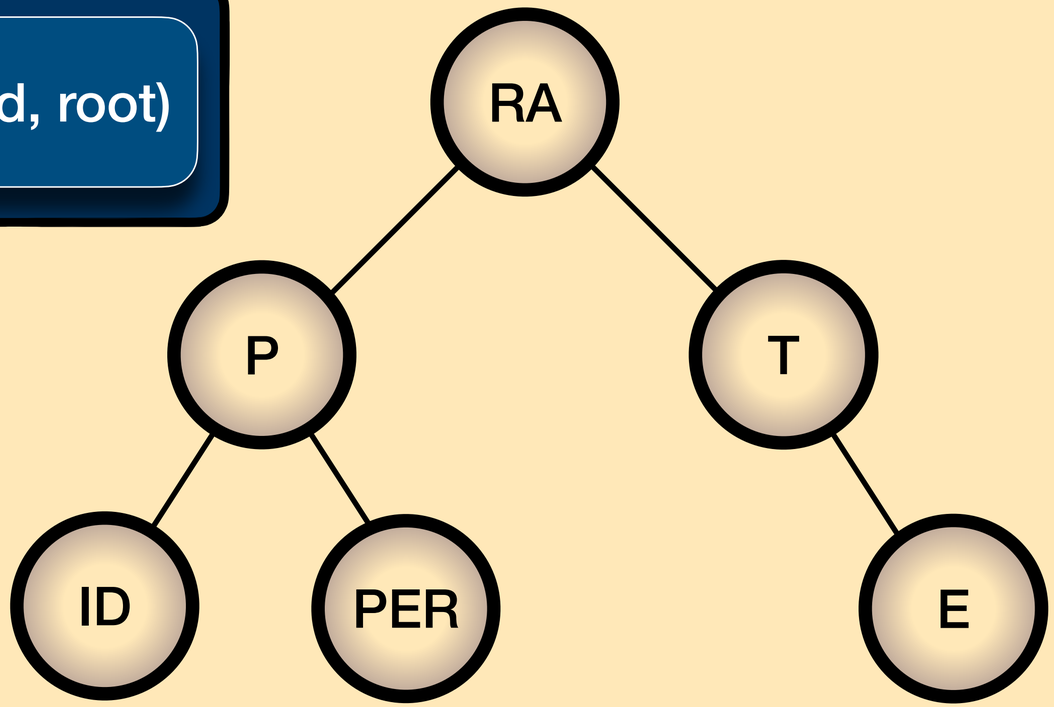
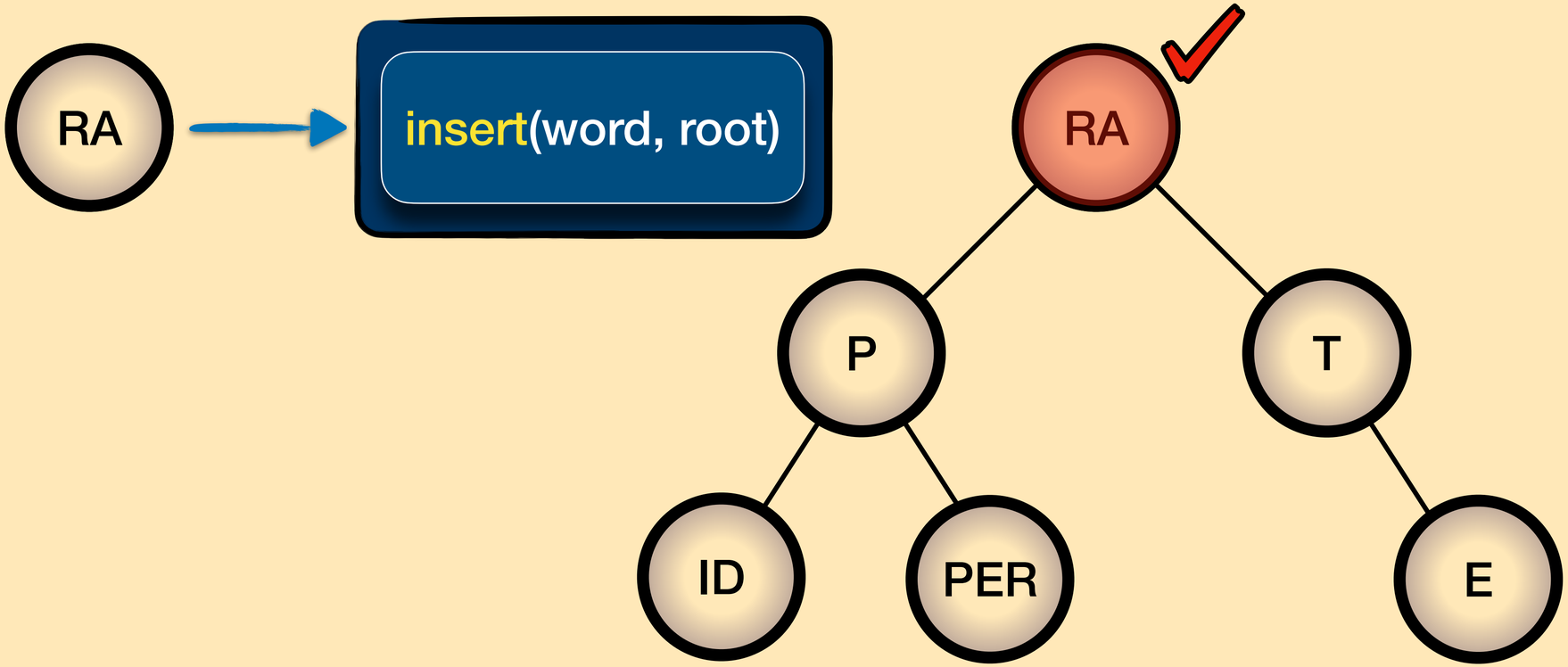


Compact Trie: case I



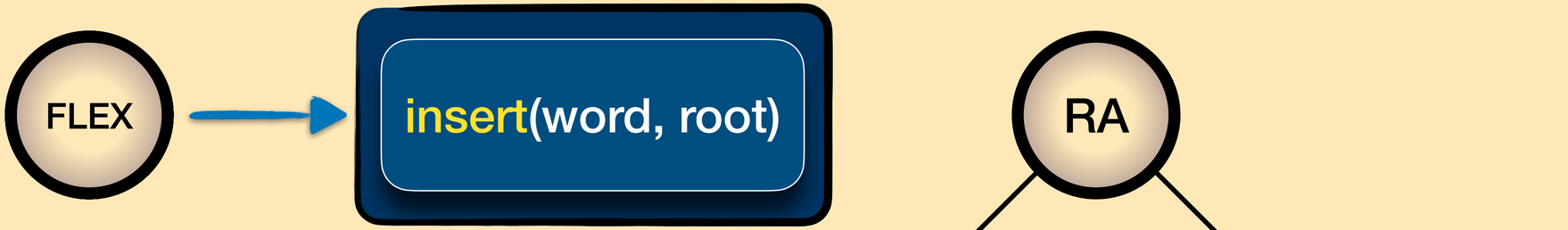


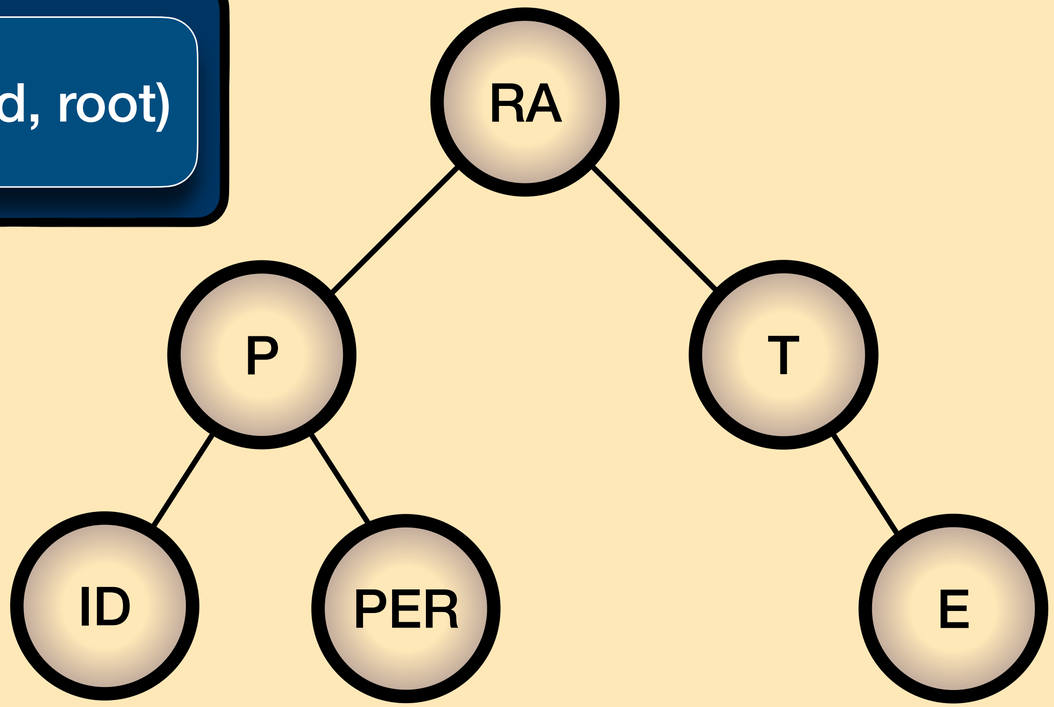
Compact Trie: case I



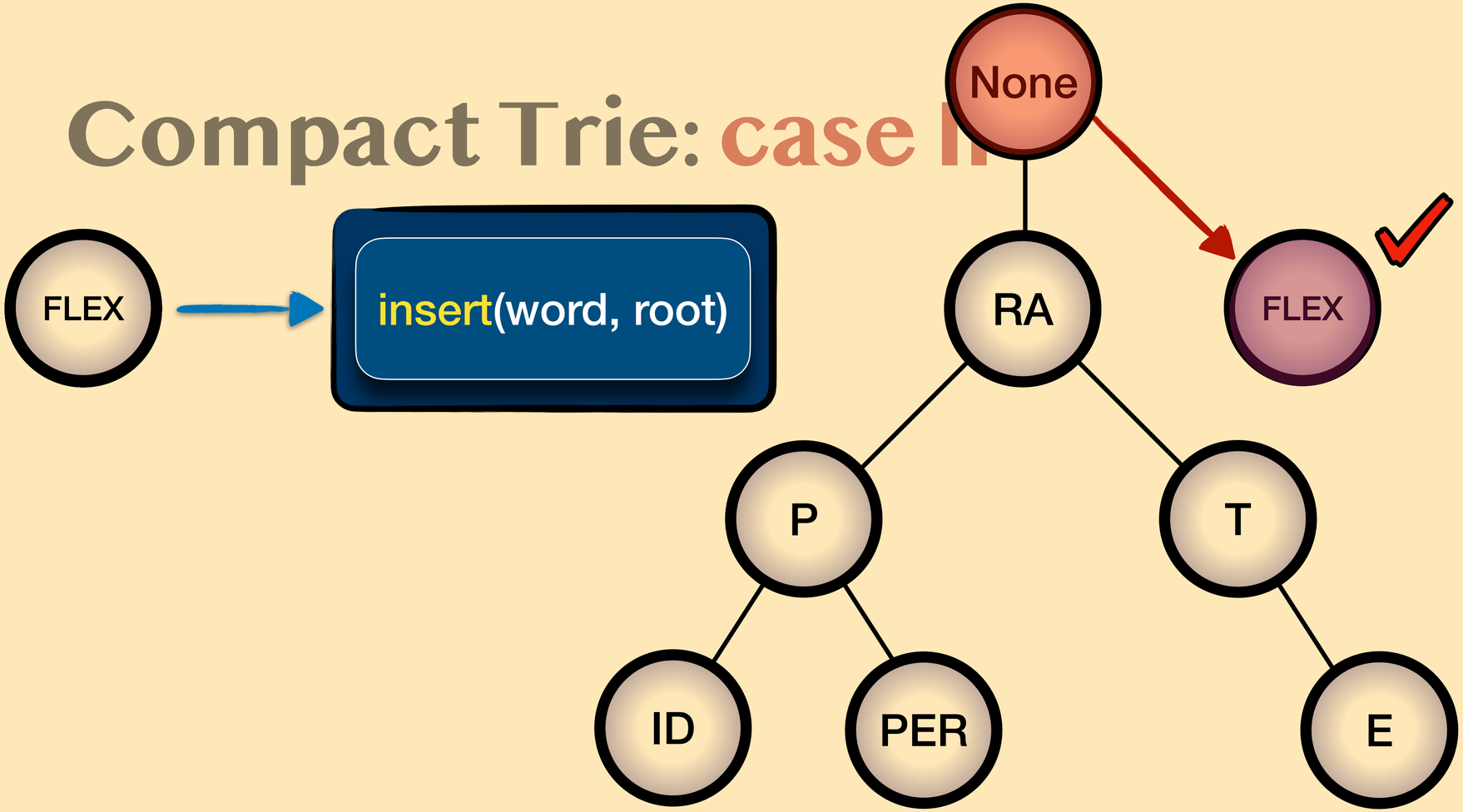
Check identity to node

Compact Trie: case II

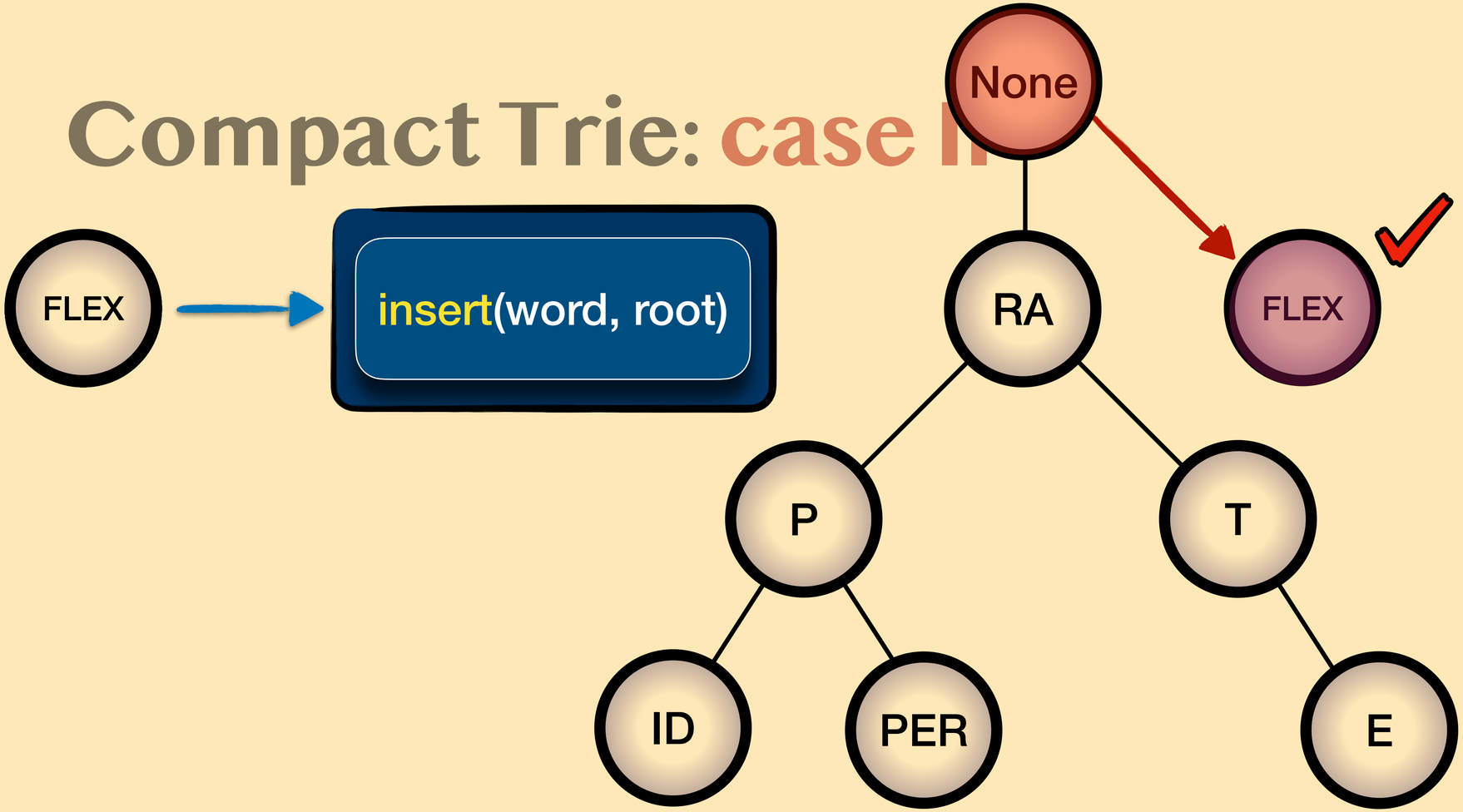




Compact Trie: case II

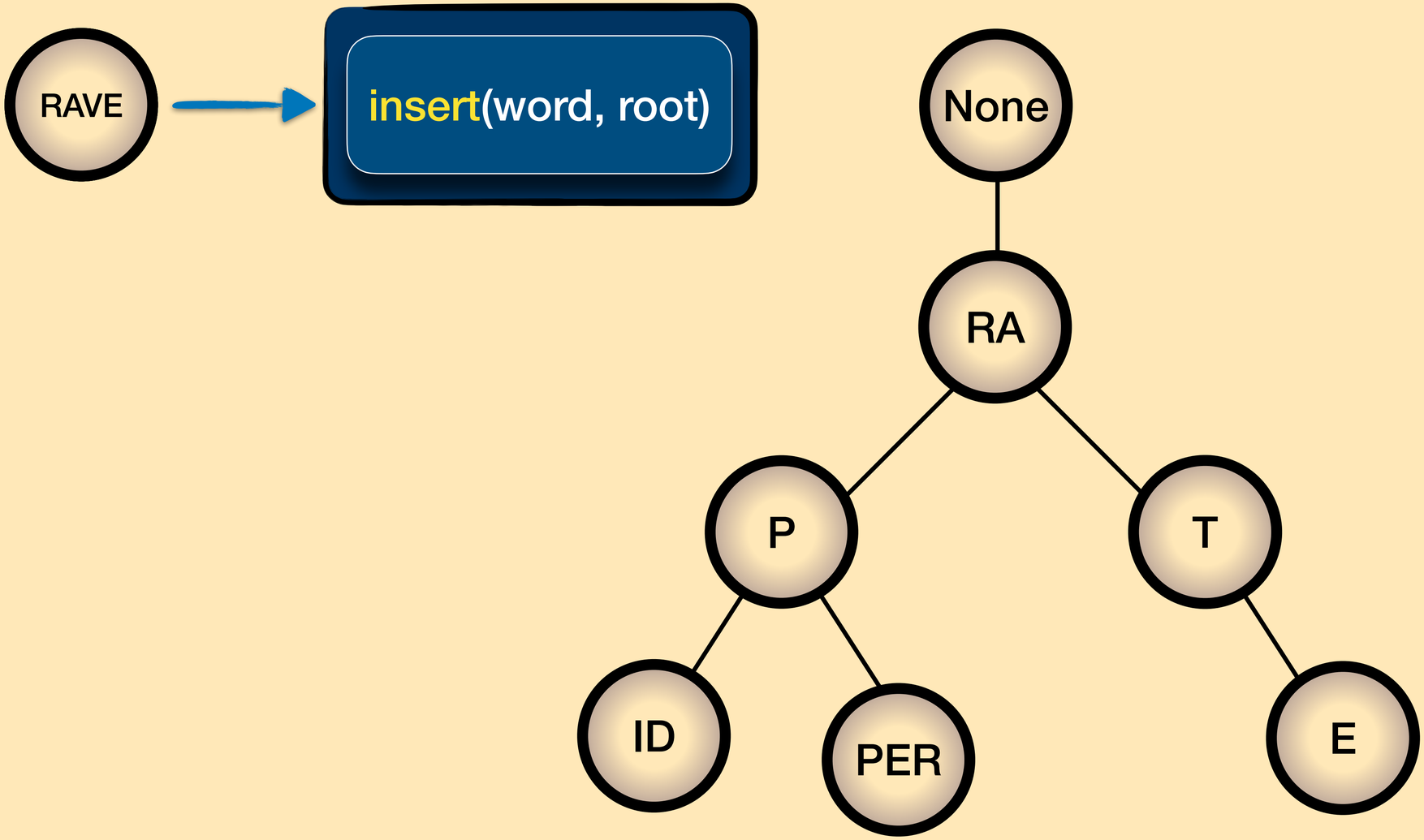


Compact Trie: case I

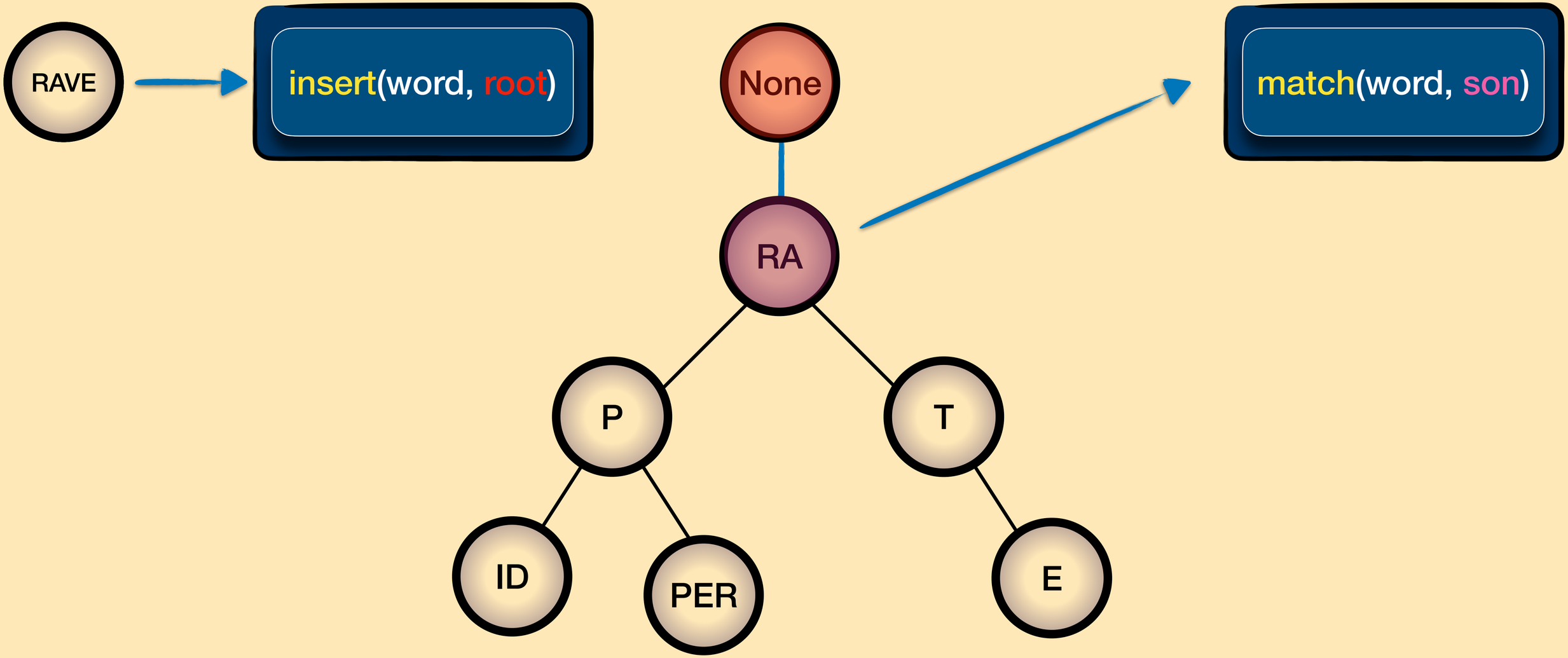


Check existence of first letter

Compact Trie: case III



Compact Trie: case III



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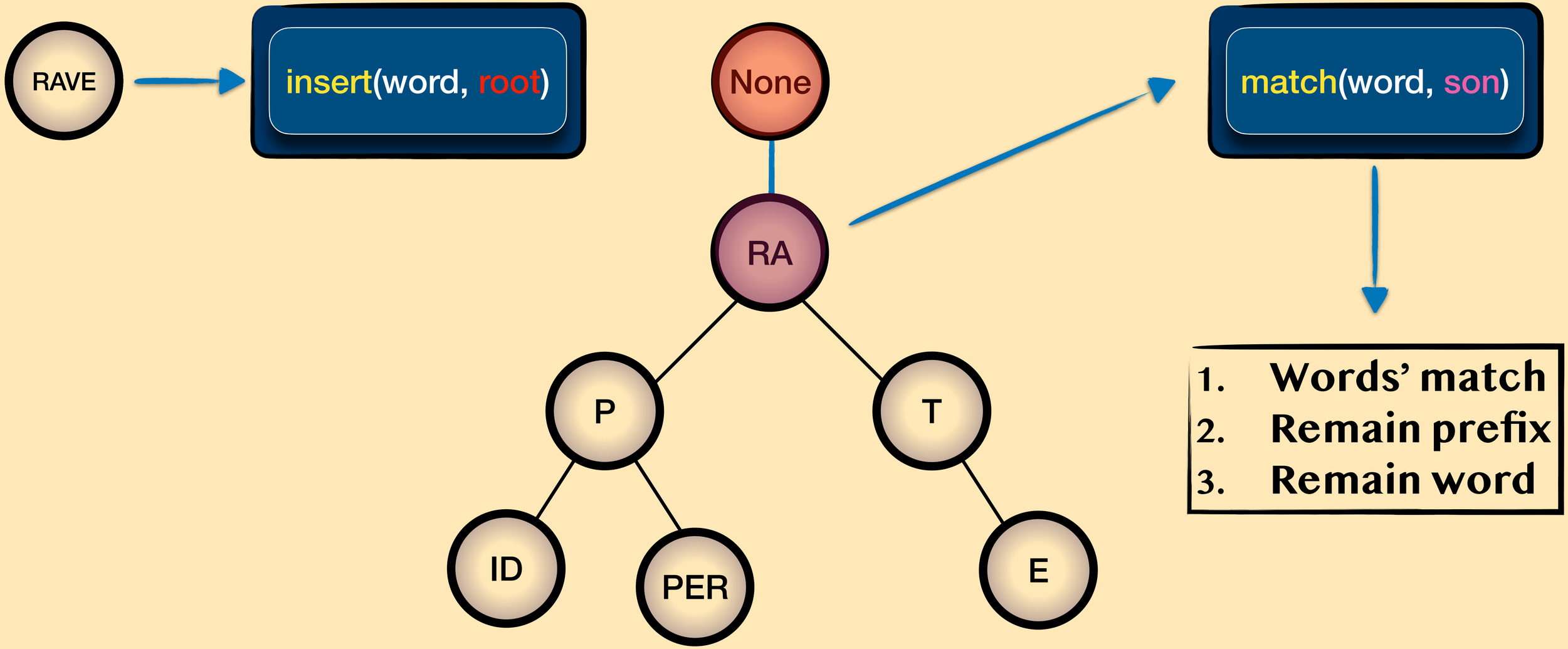
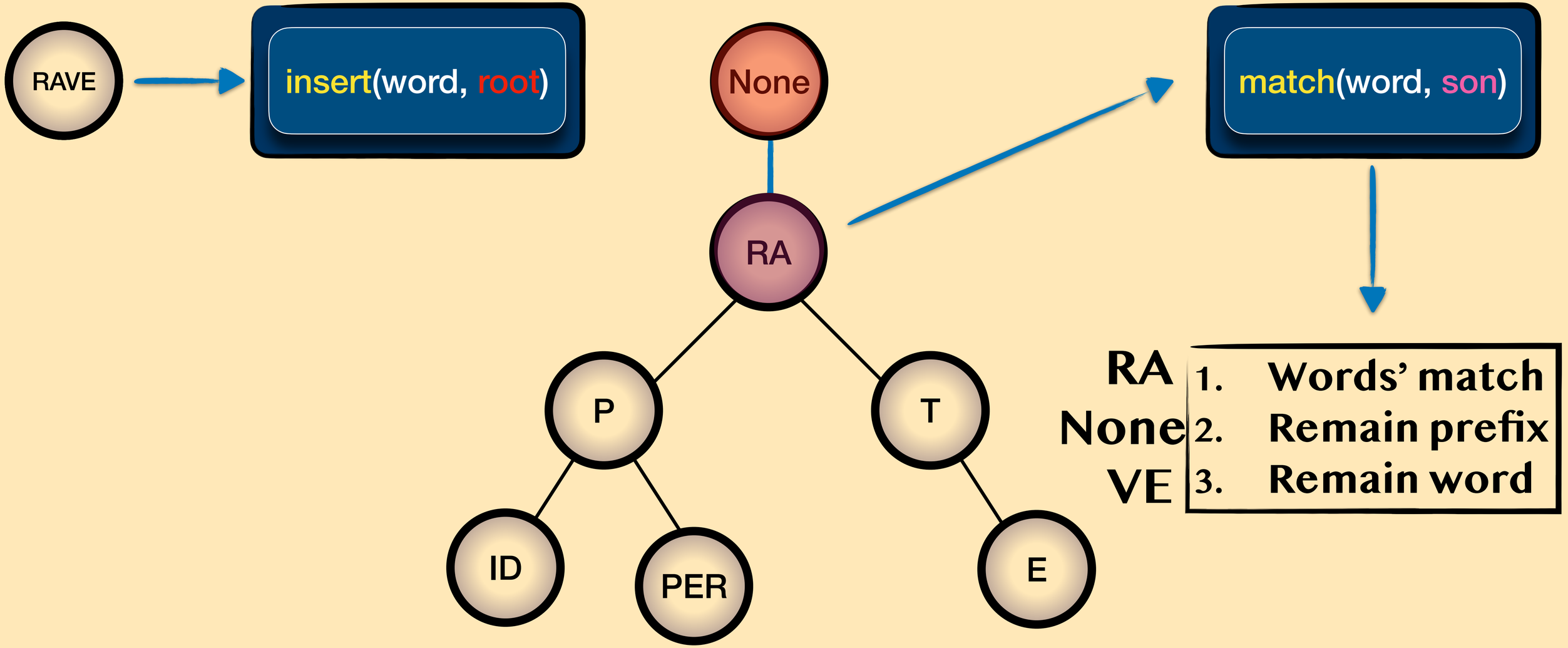


Compact Trie: case III



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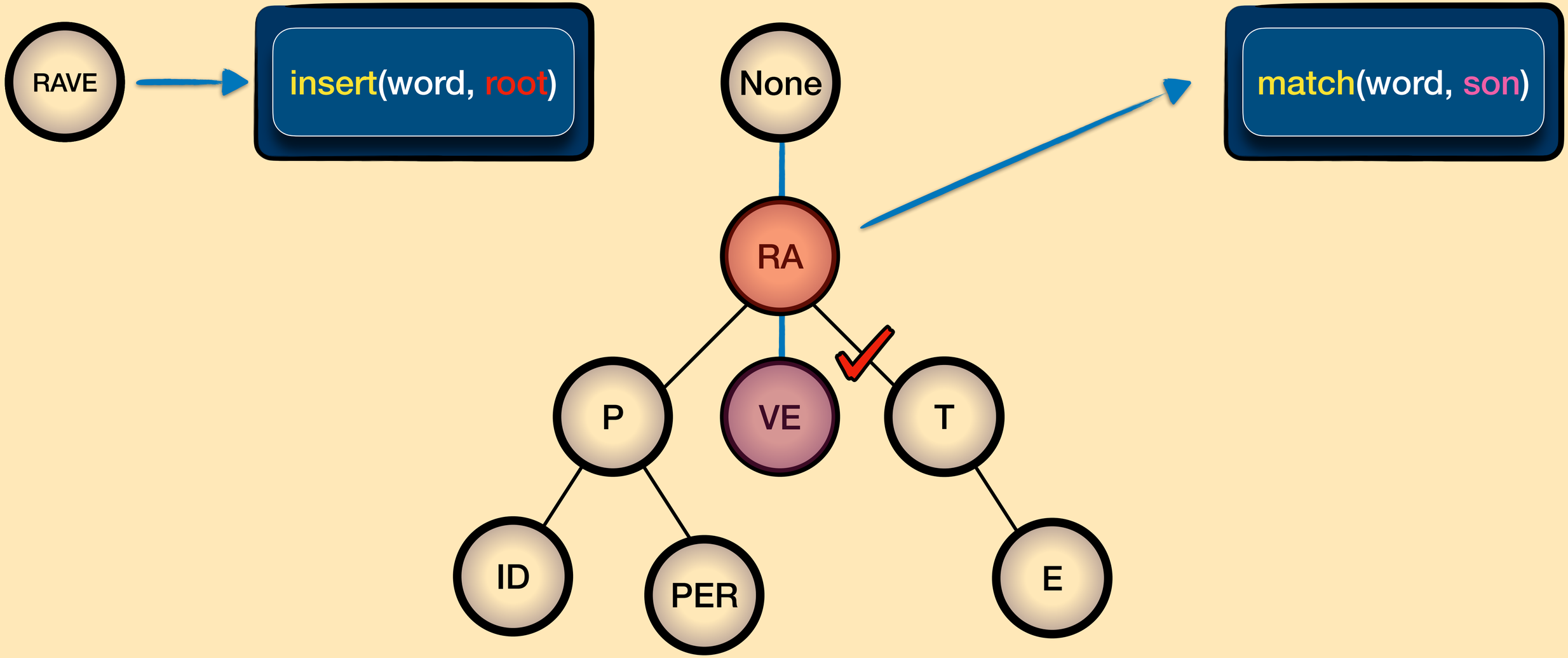
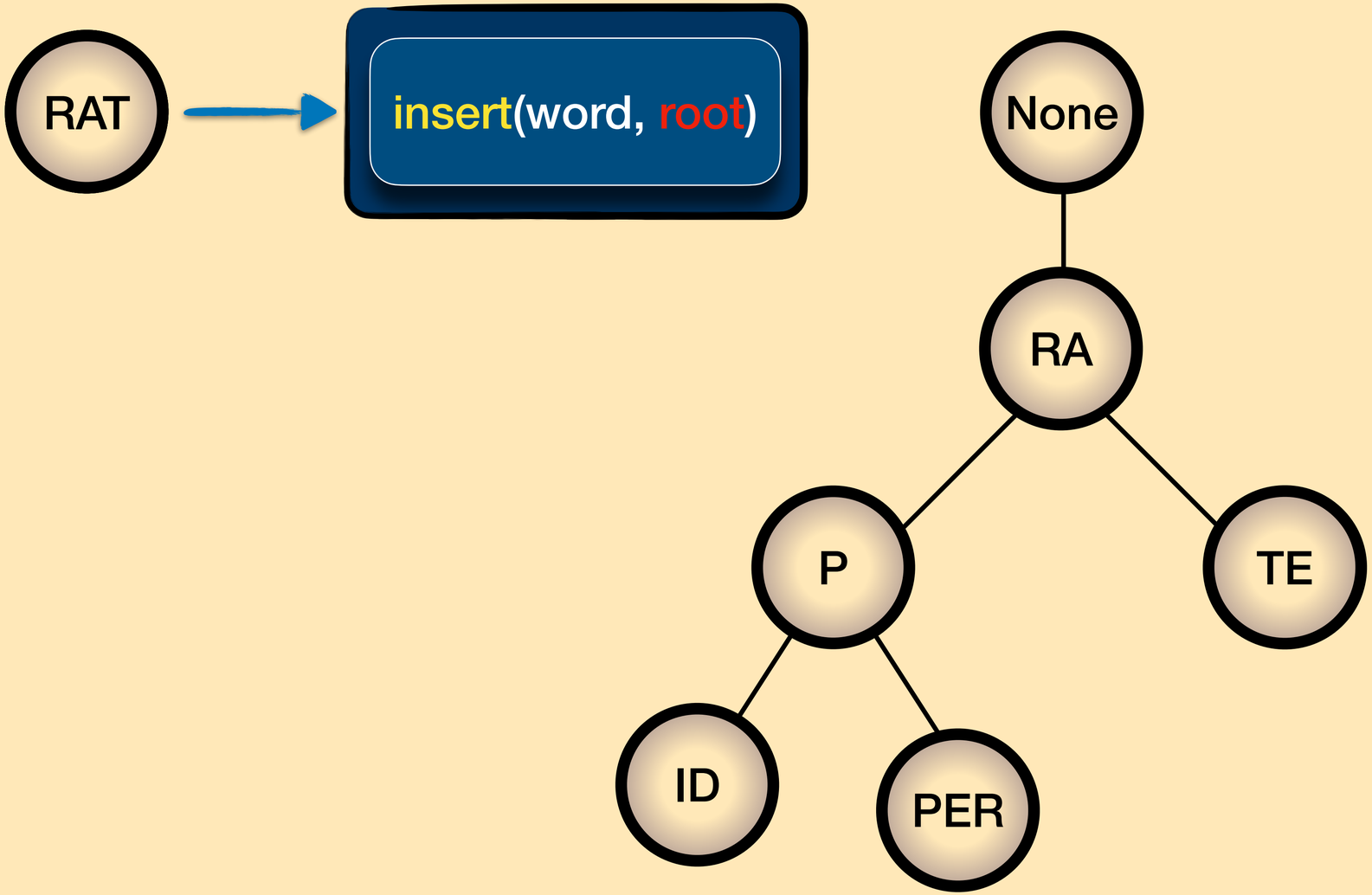
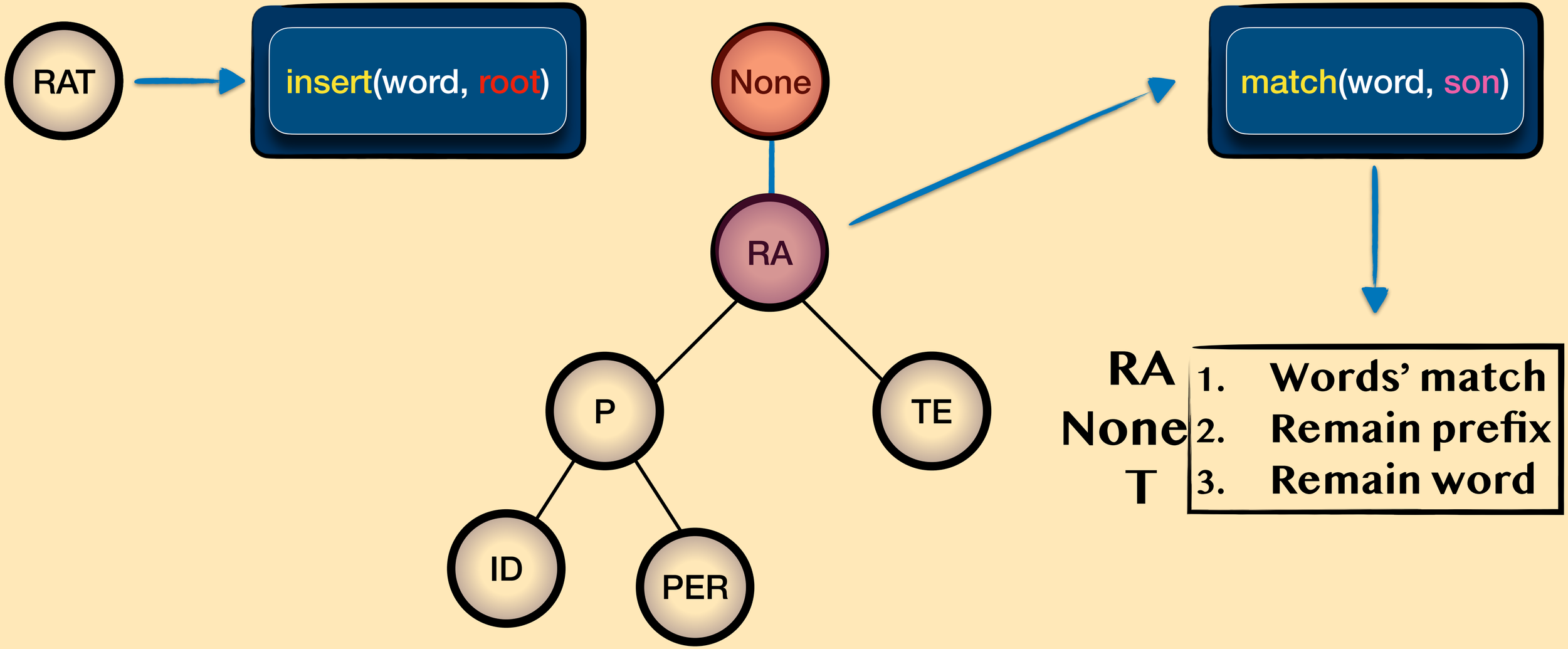


Compact Trie: case IV



Compact Trie: case IV



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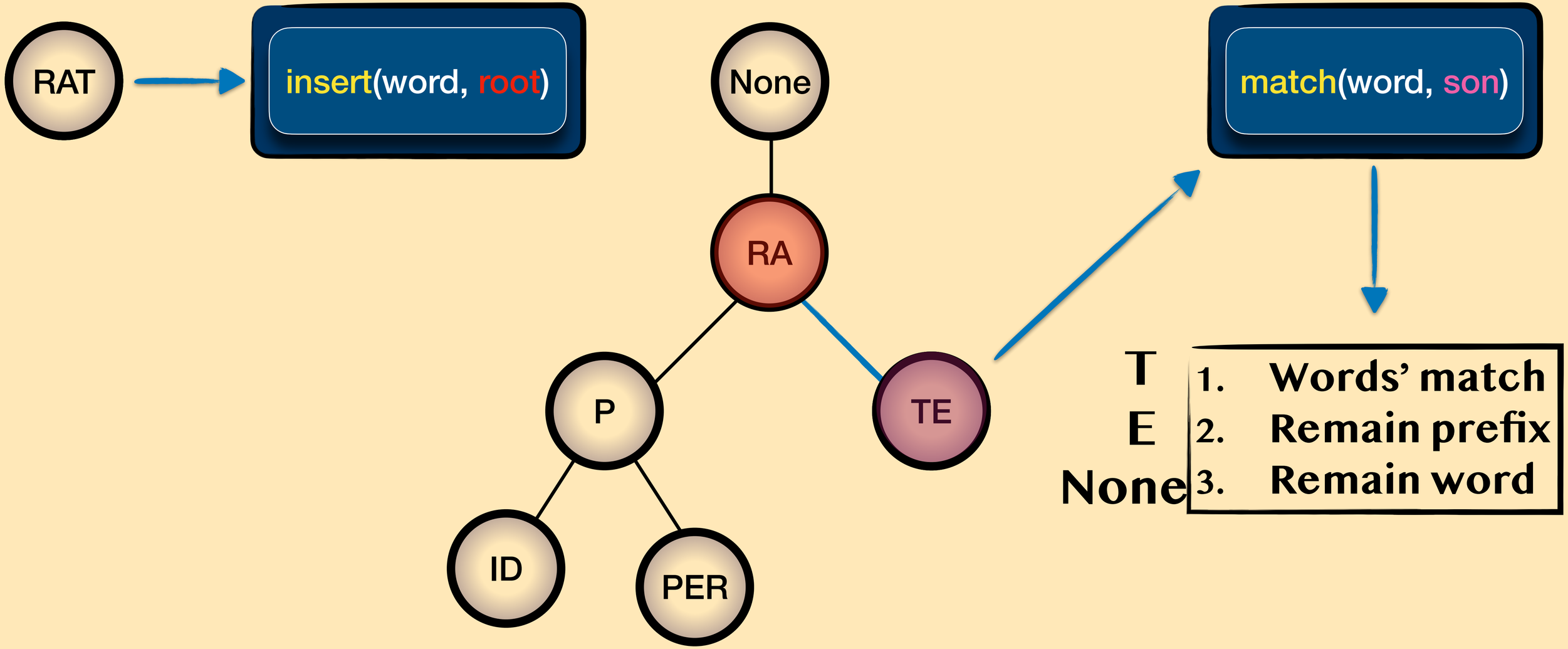

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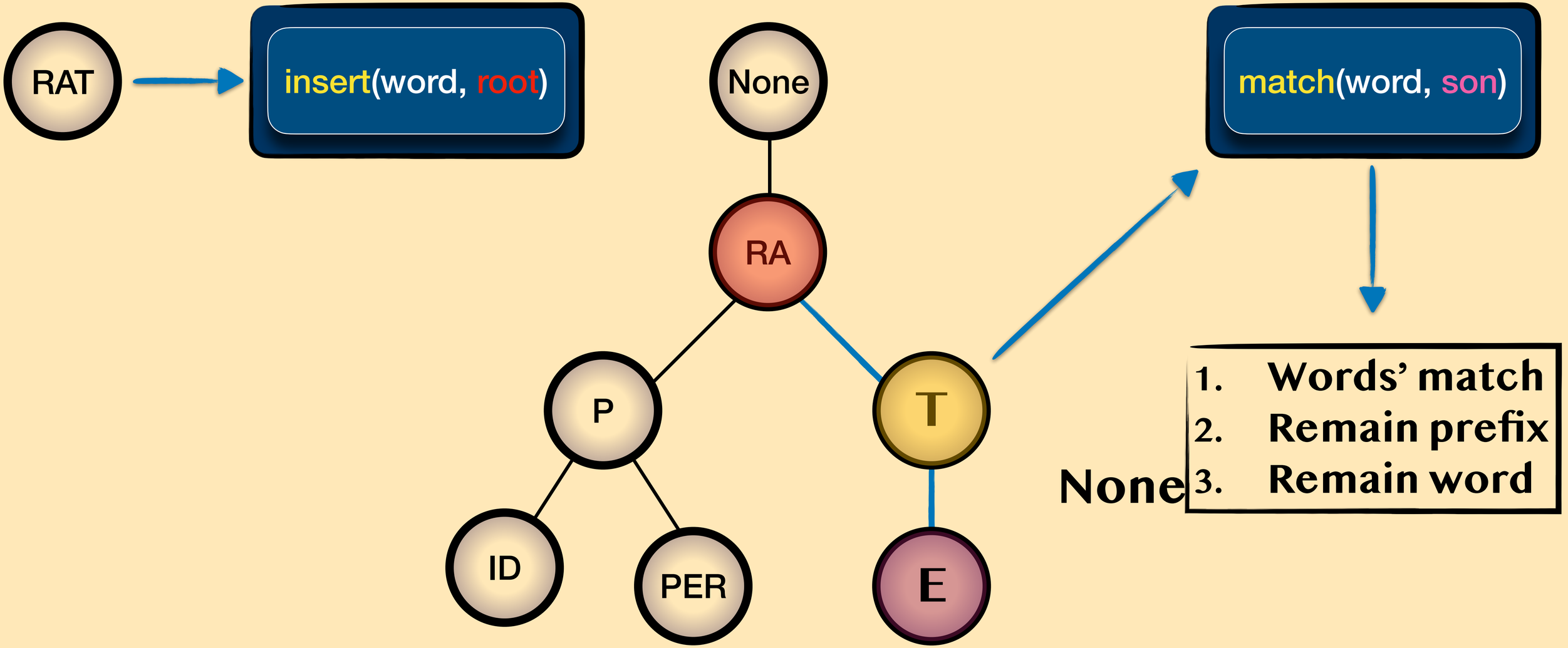

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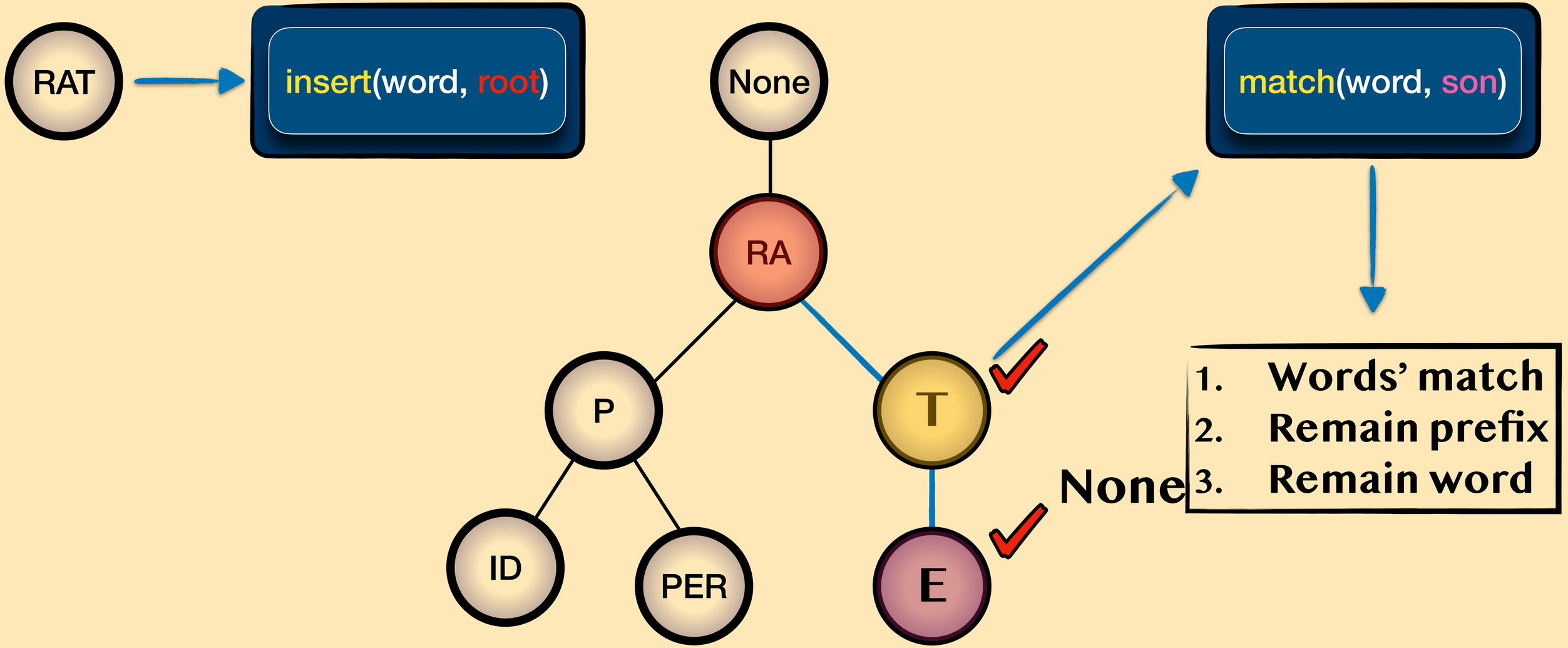
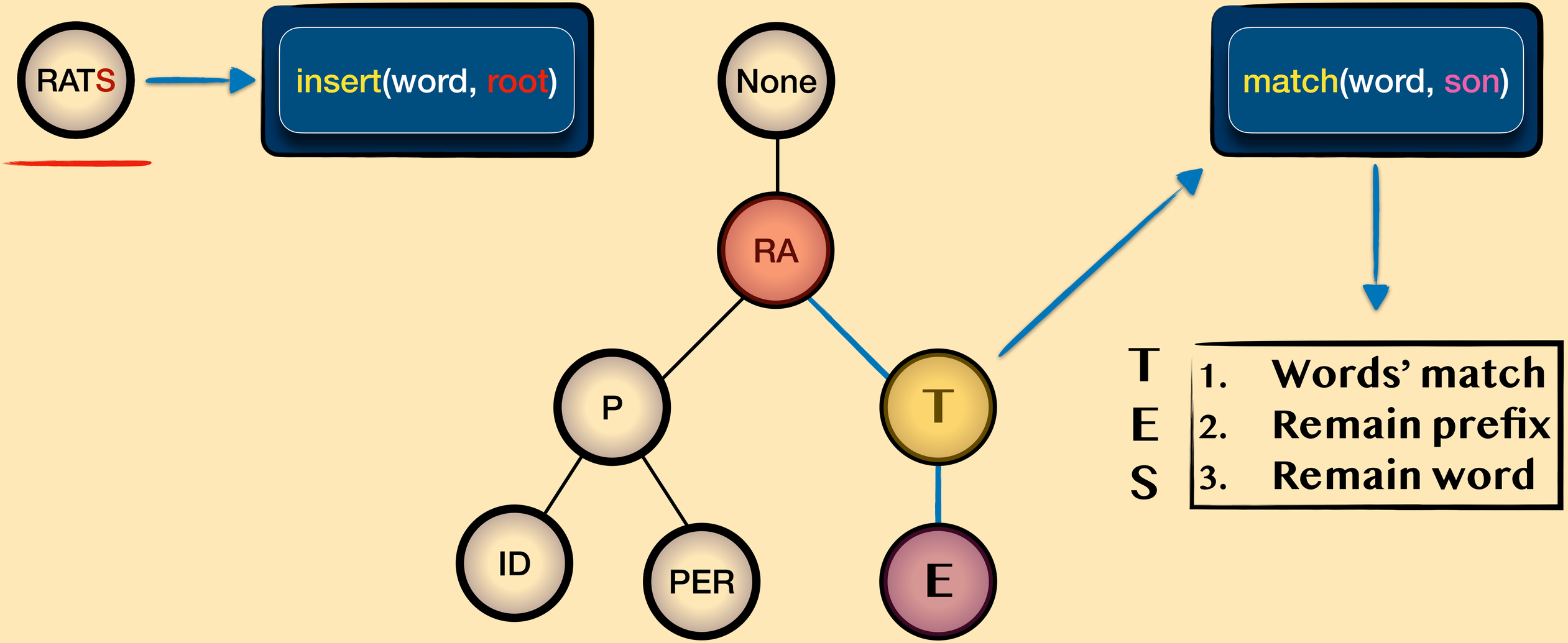


Compact Trie: case IV.II



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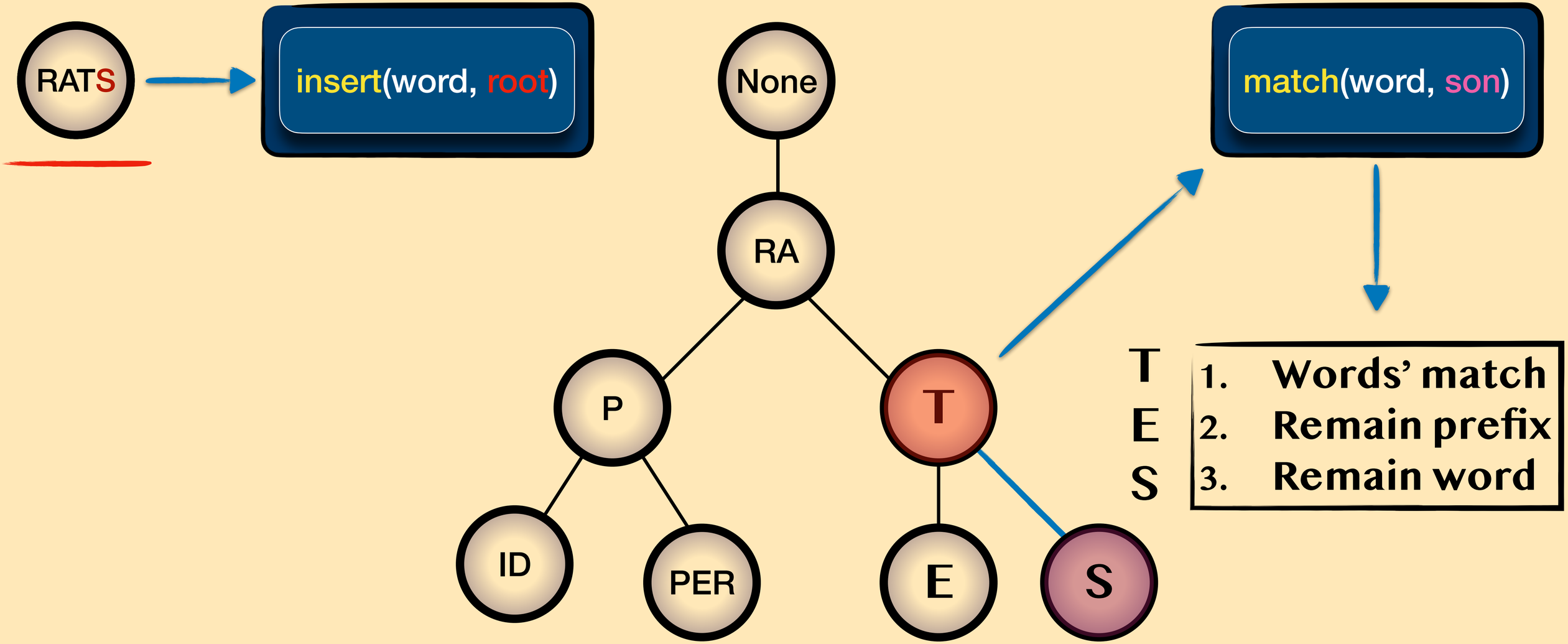
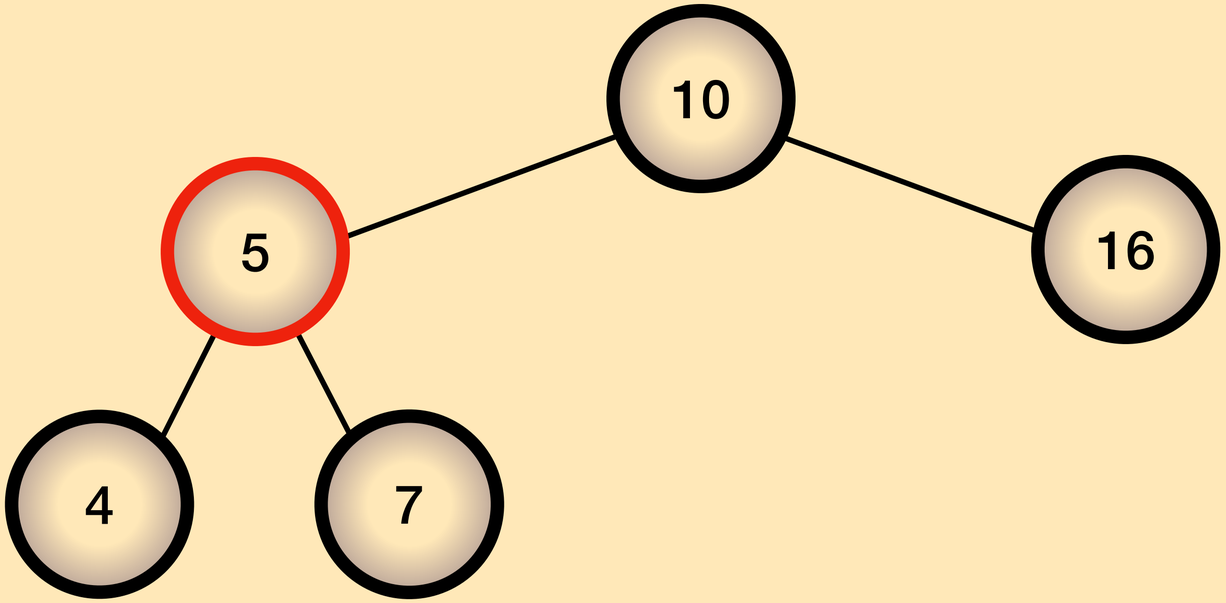
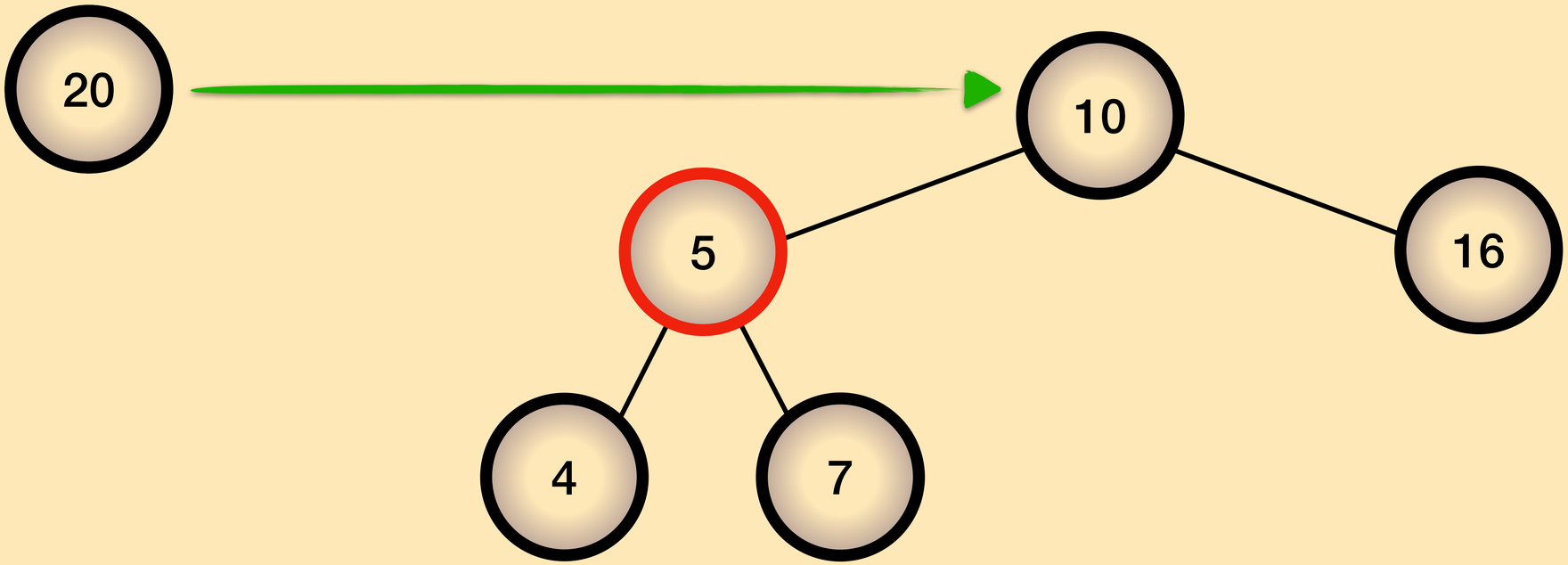


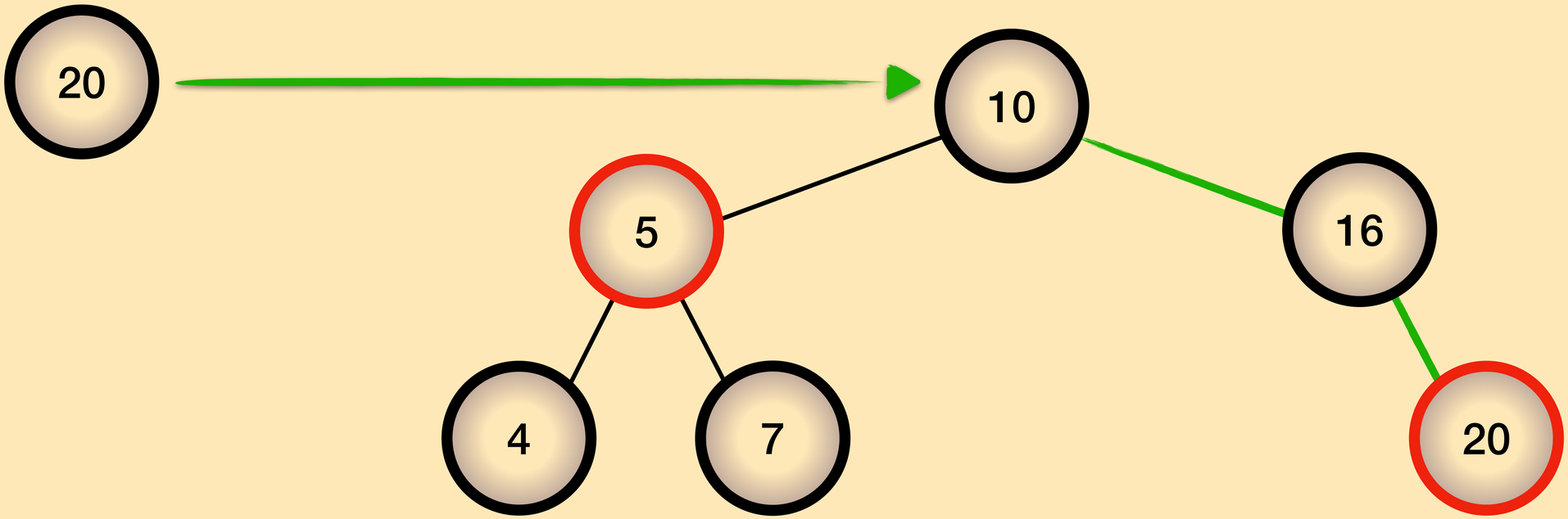
Red-Black Tree: case I



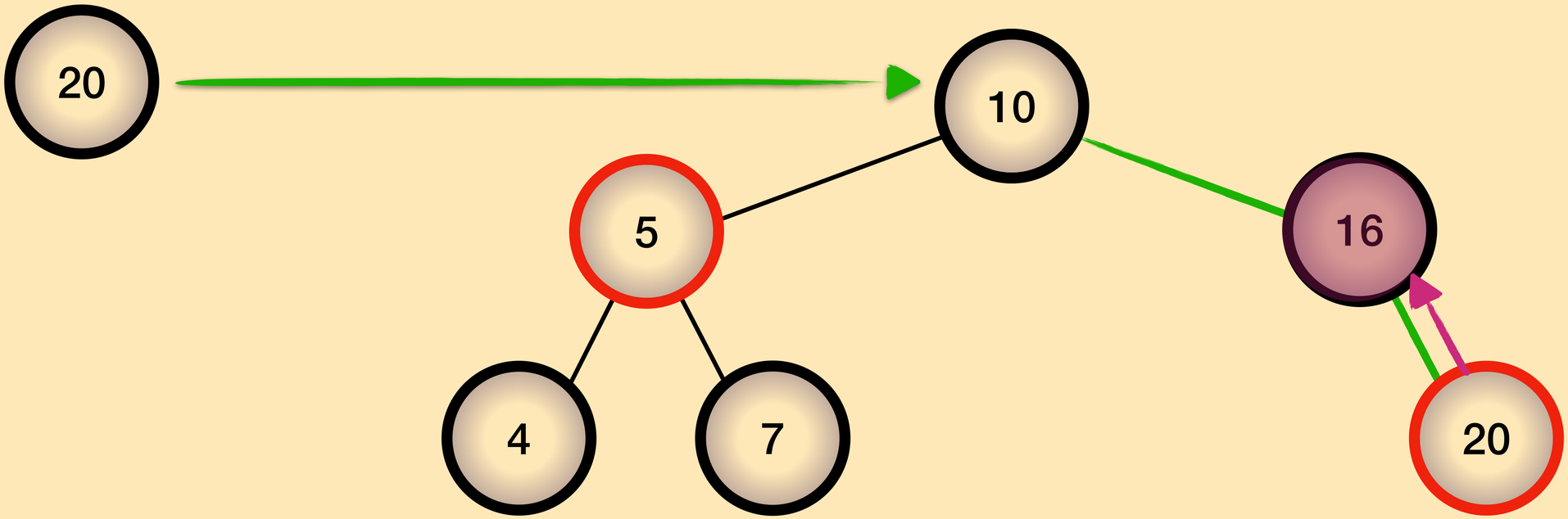
Red-Black Tree: case I



Red-Black Tree: case I

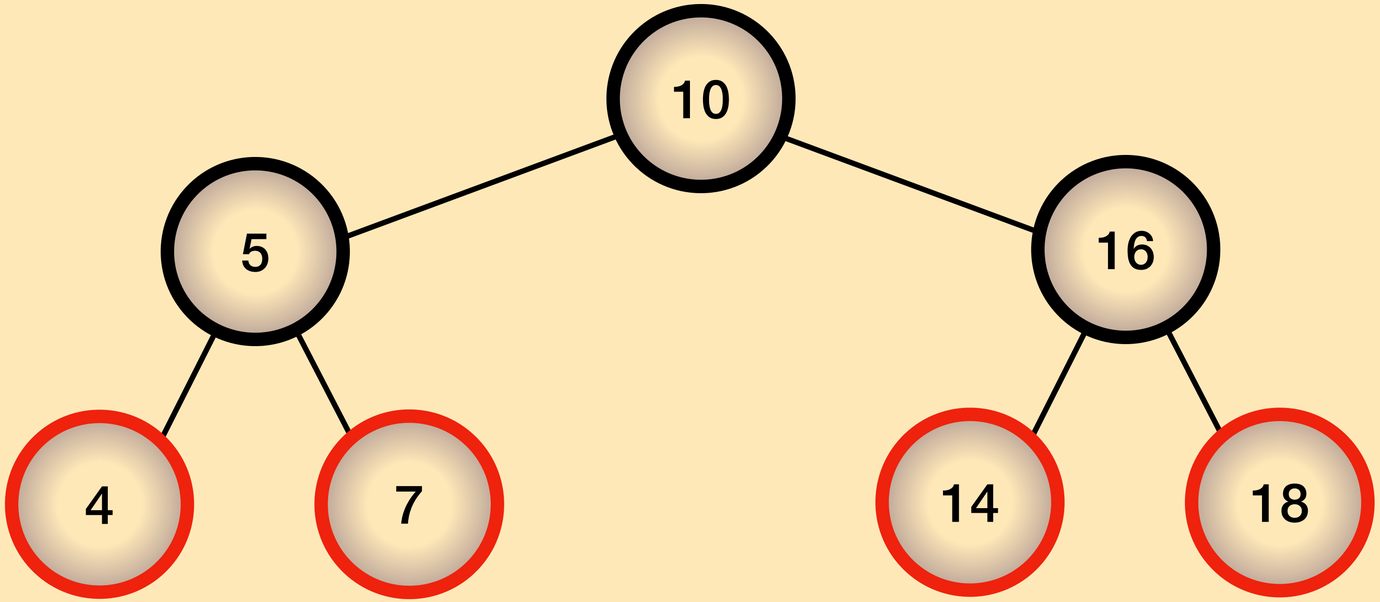


Red-Black Tree: case I

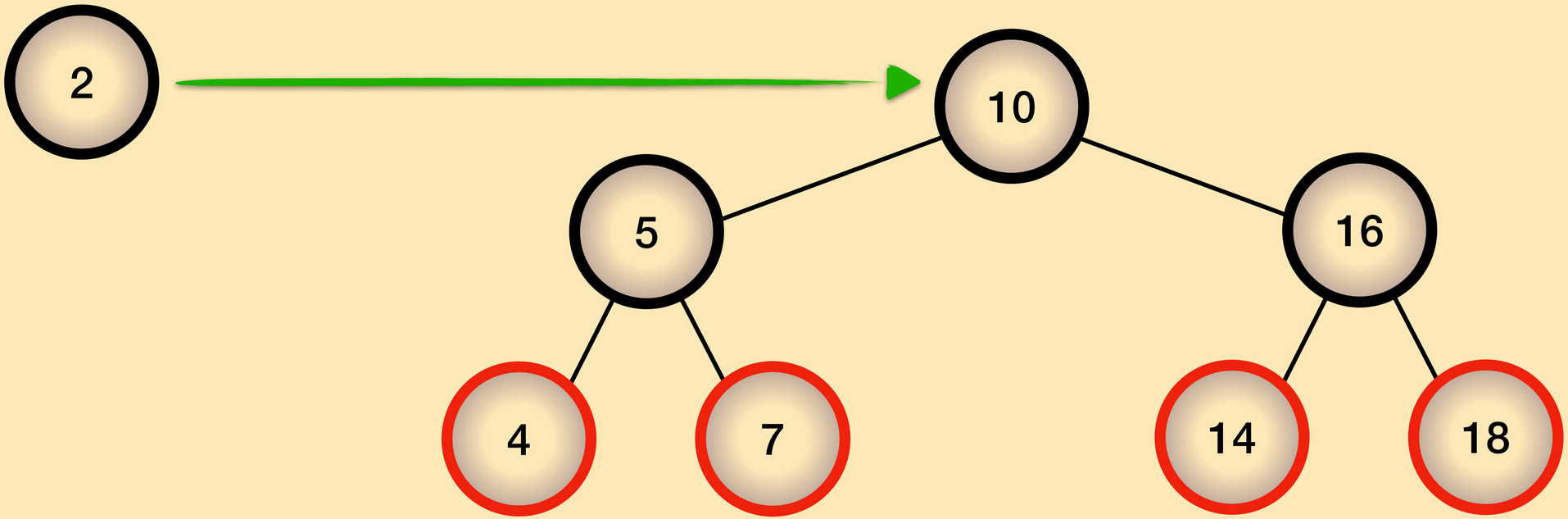


Father Black - Okay

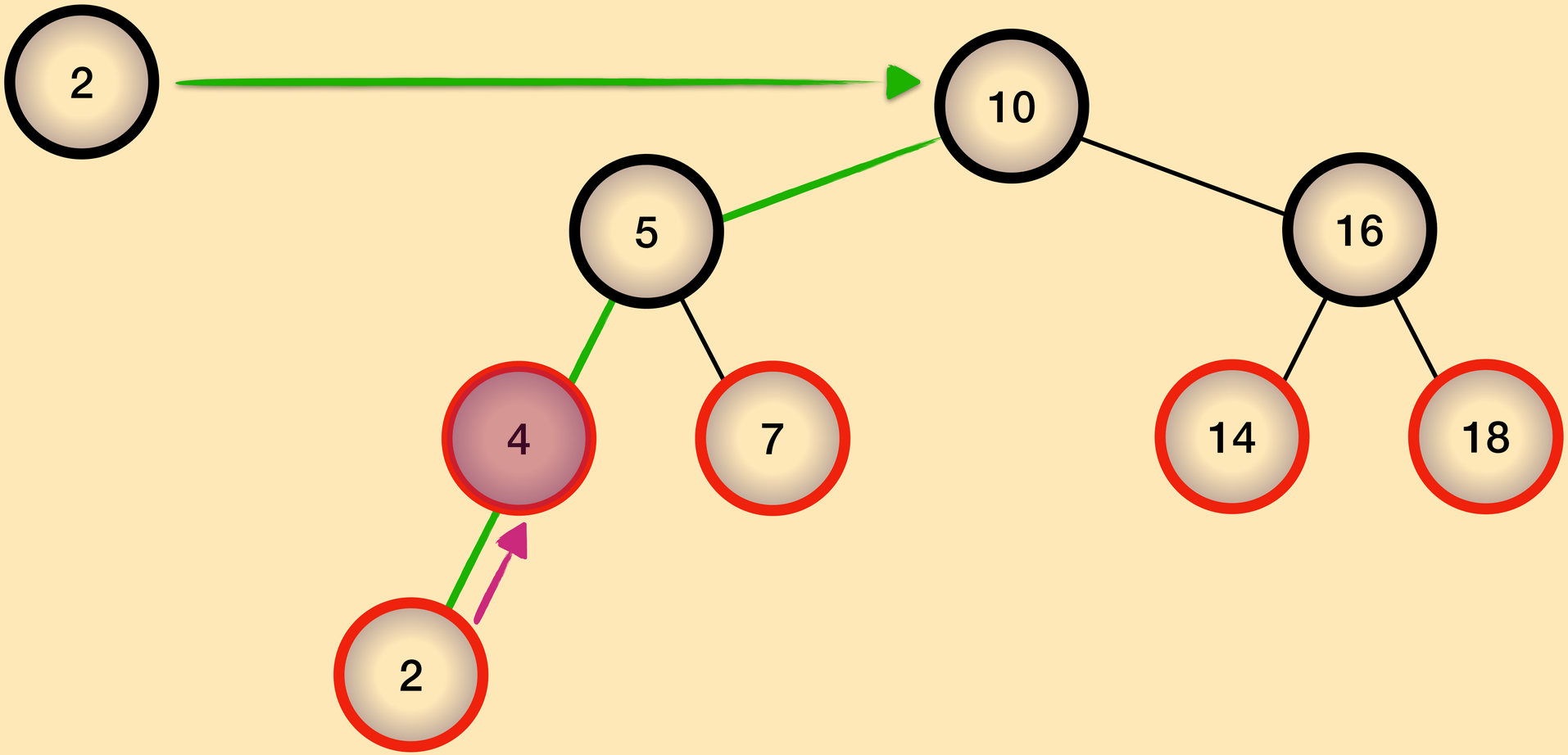
Red-Black Tree: case II



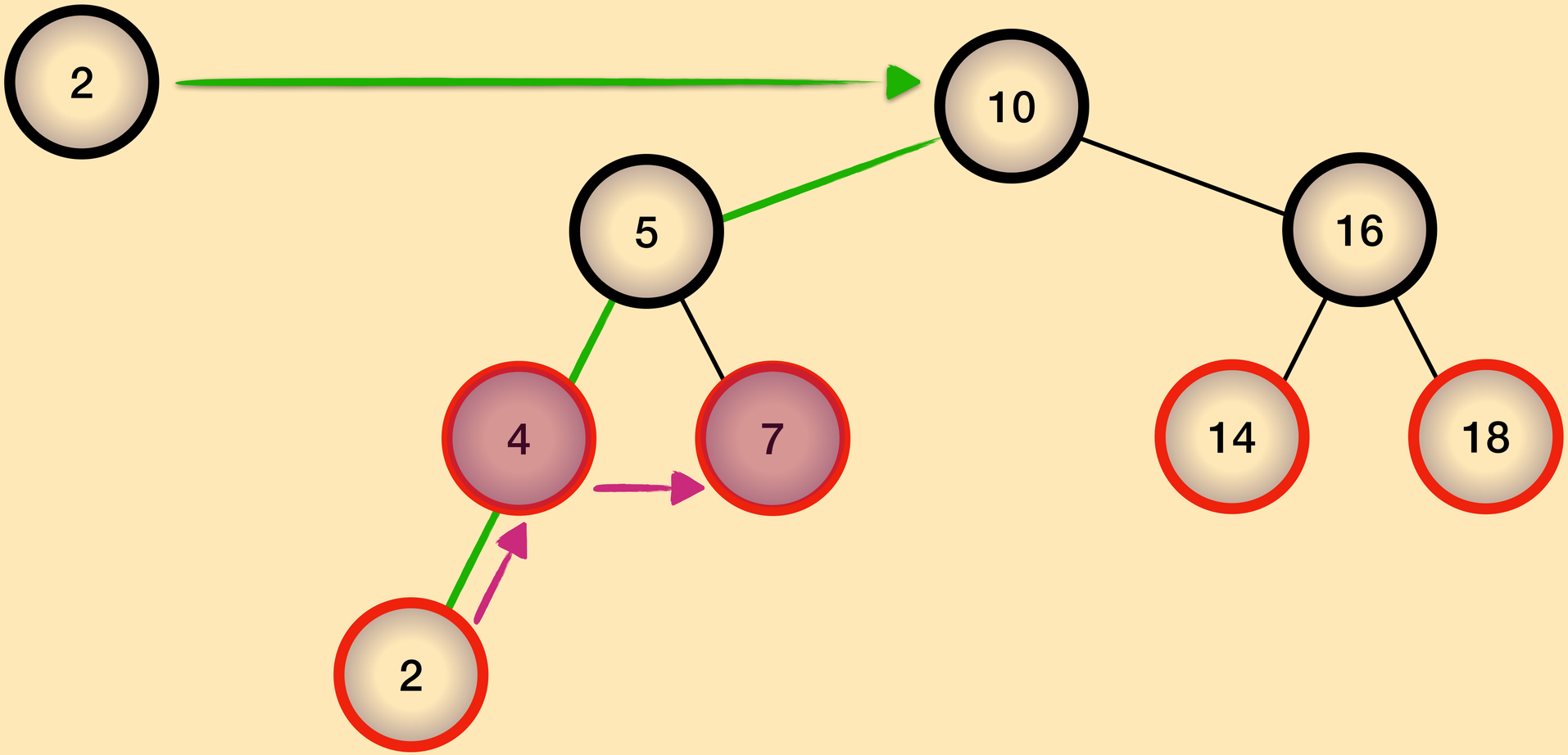
Red-Black Tree: case II



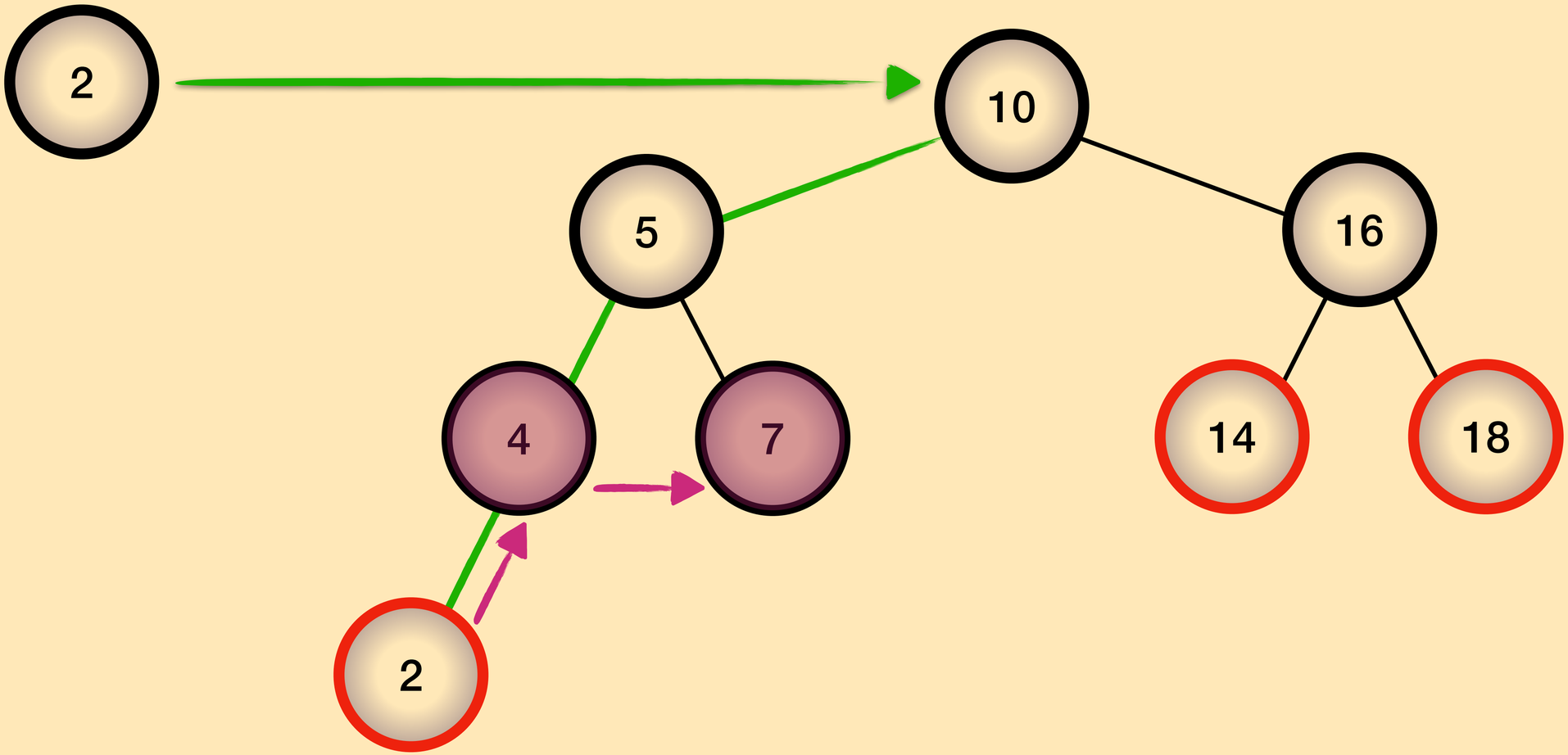
Red-Black Tree: case II



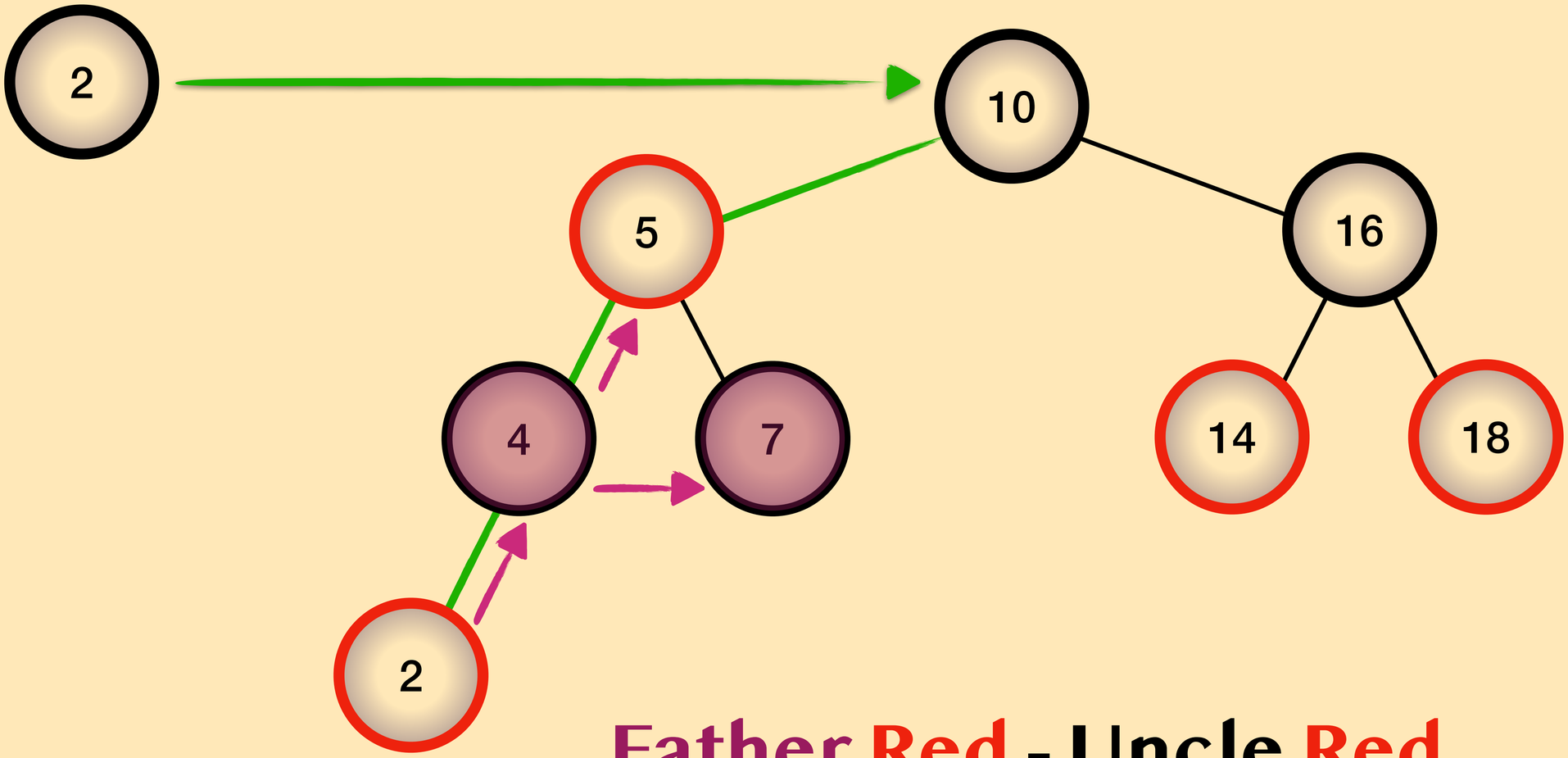
Red-Black Tree: case II



Red-Black Tree: case II



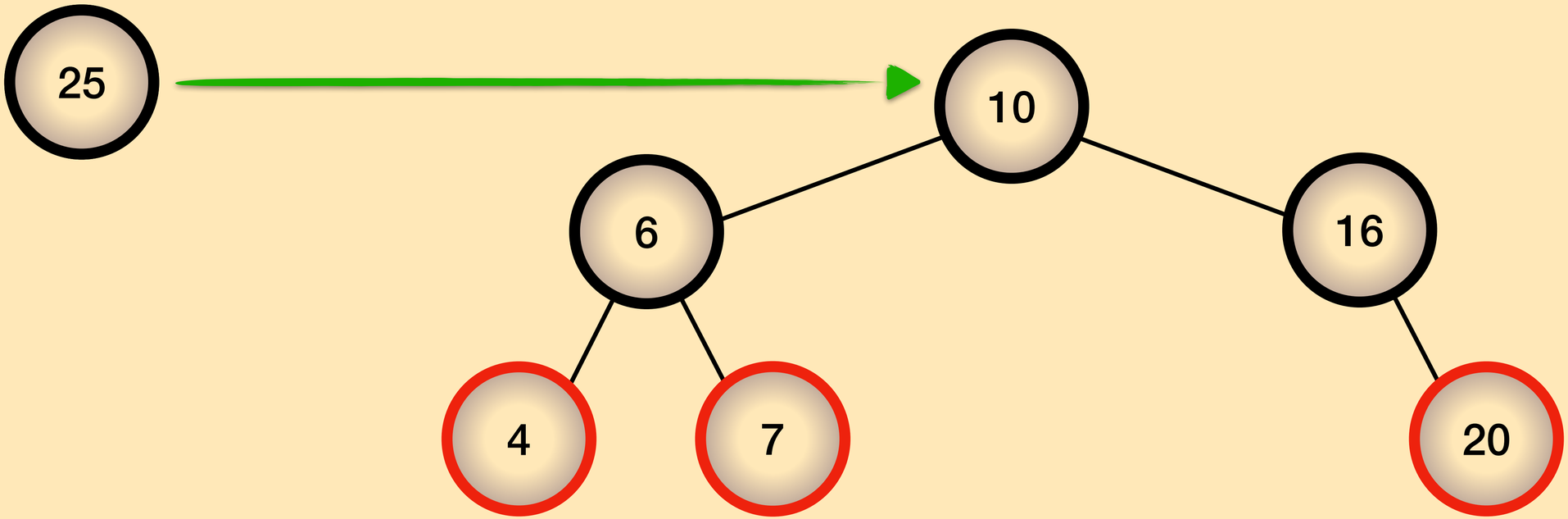
Red-Black Tree: case II



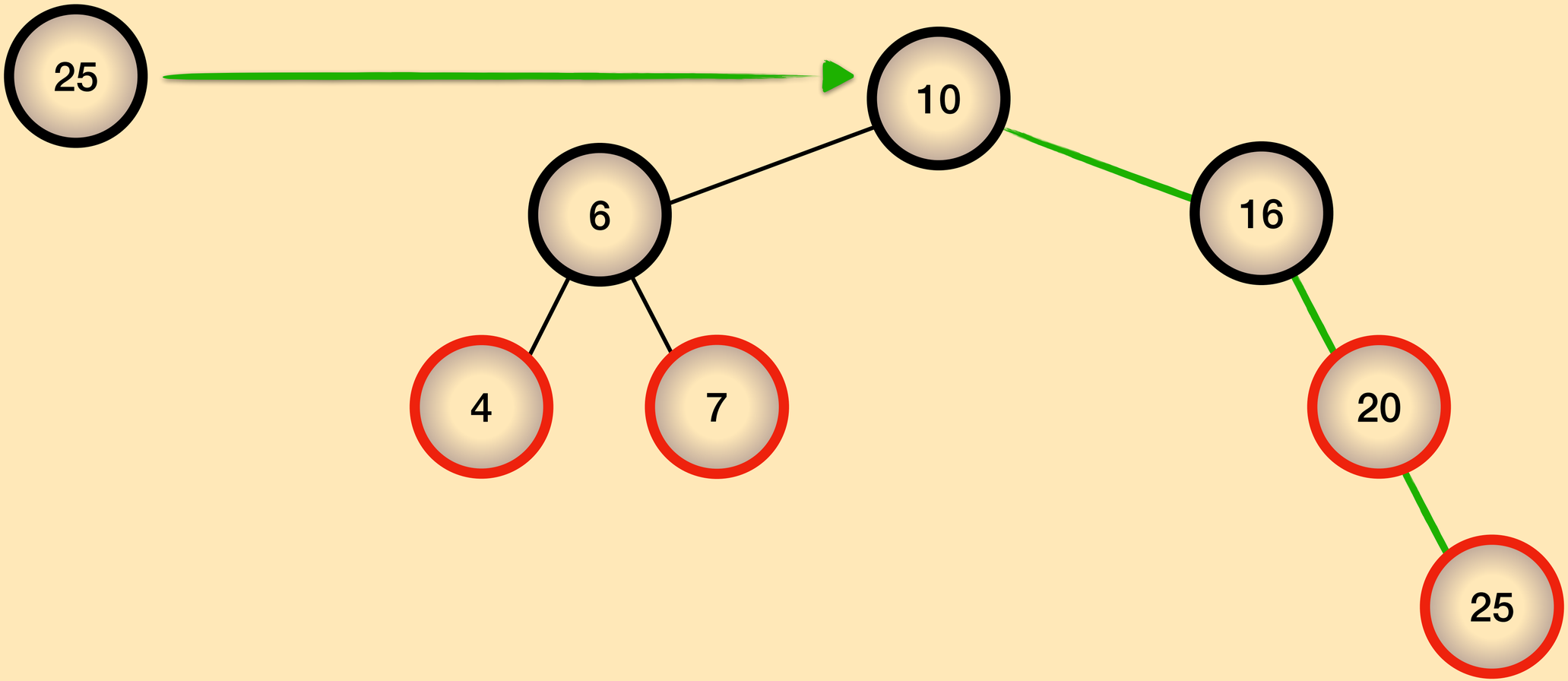
Father Red - Uncle Red

Change both to Black & GF to Red if not root

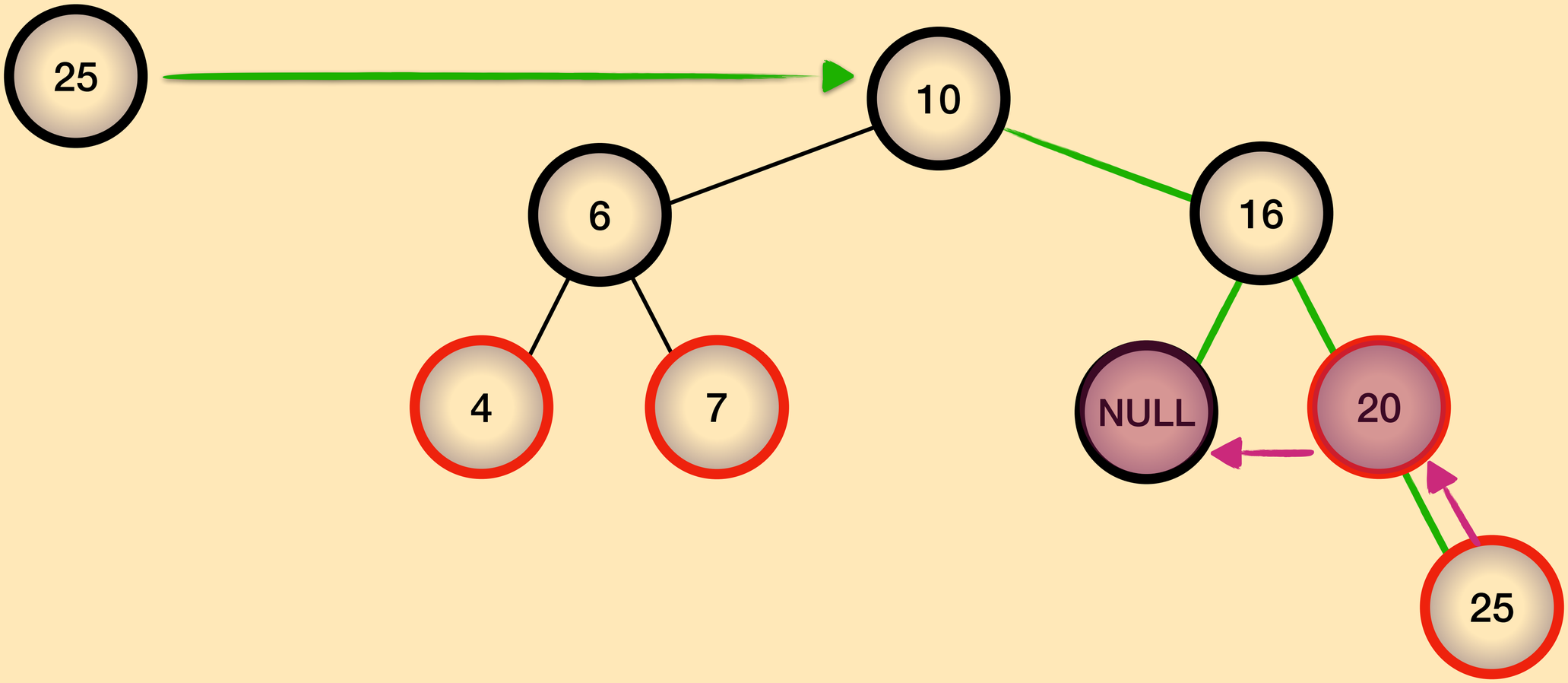
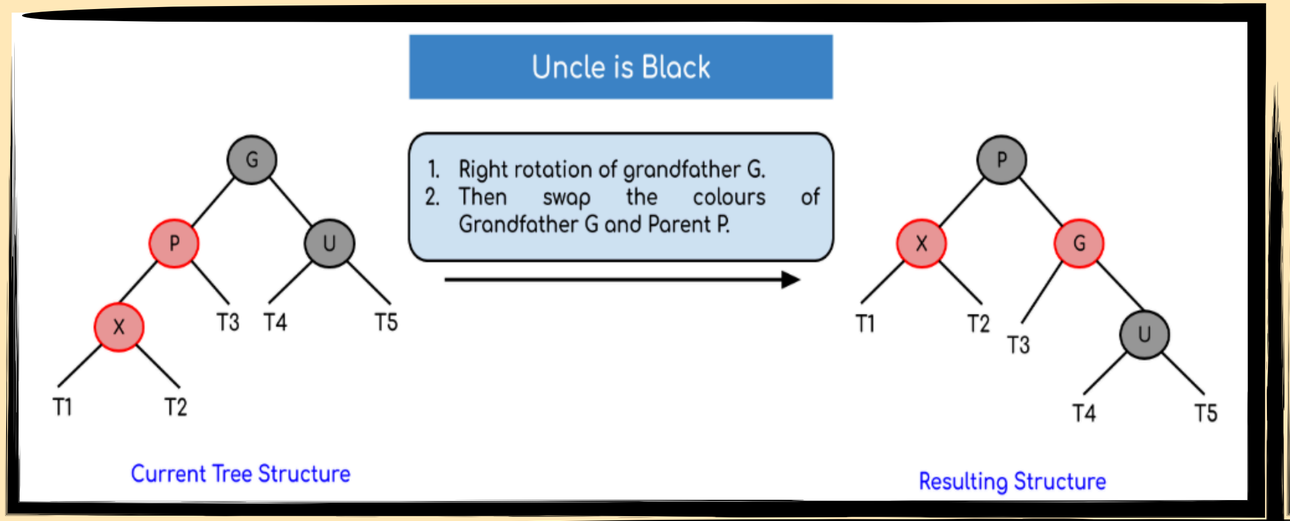
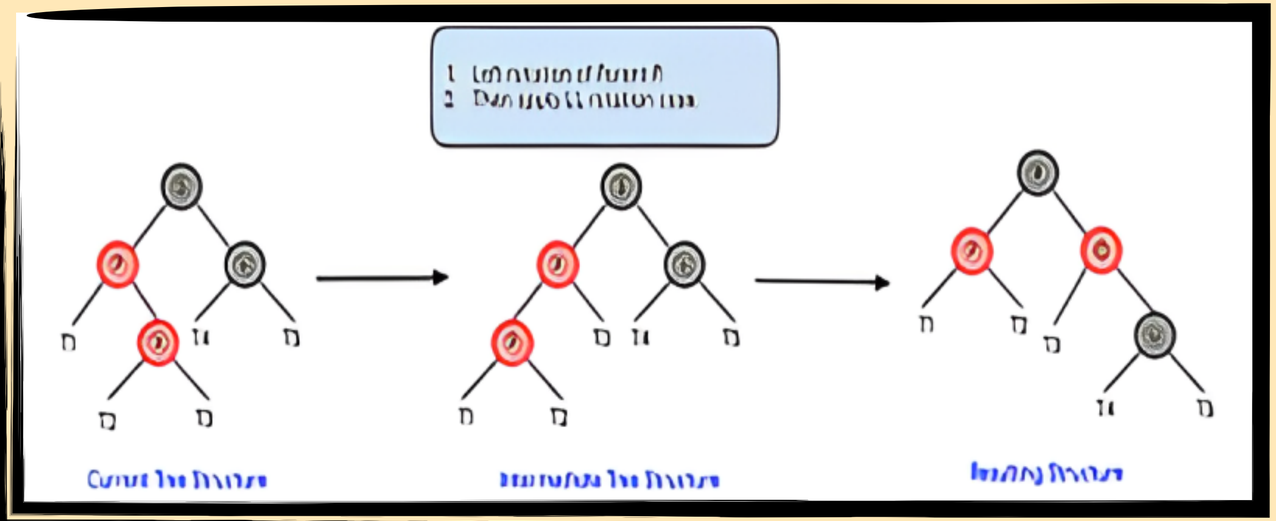
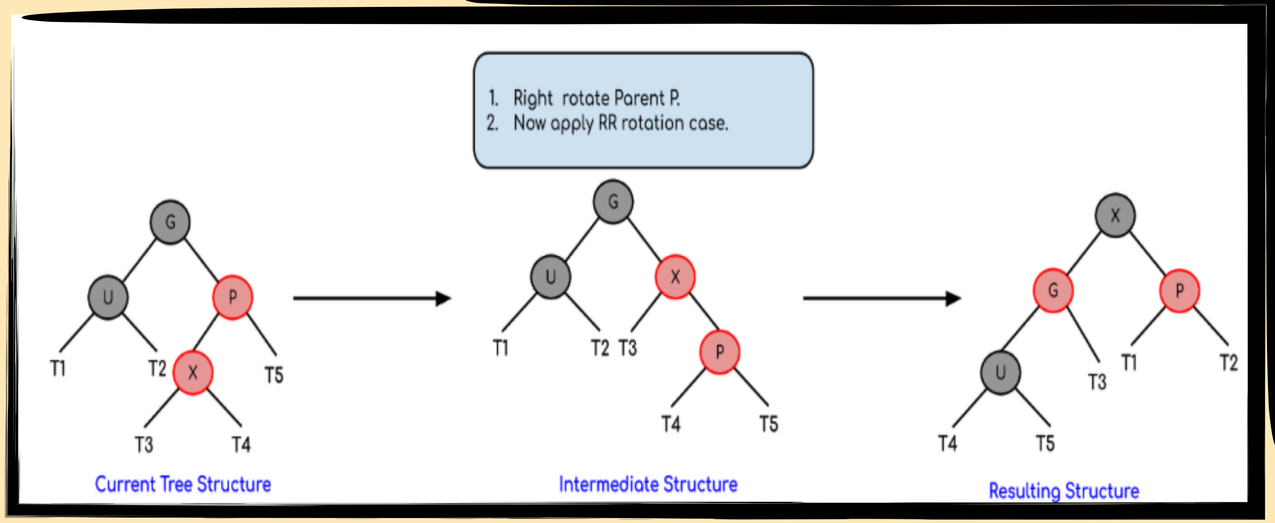
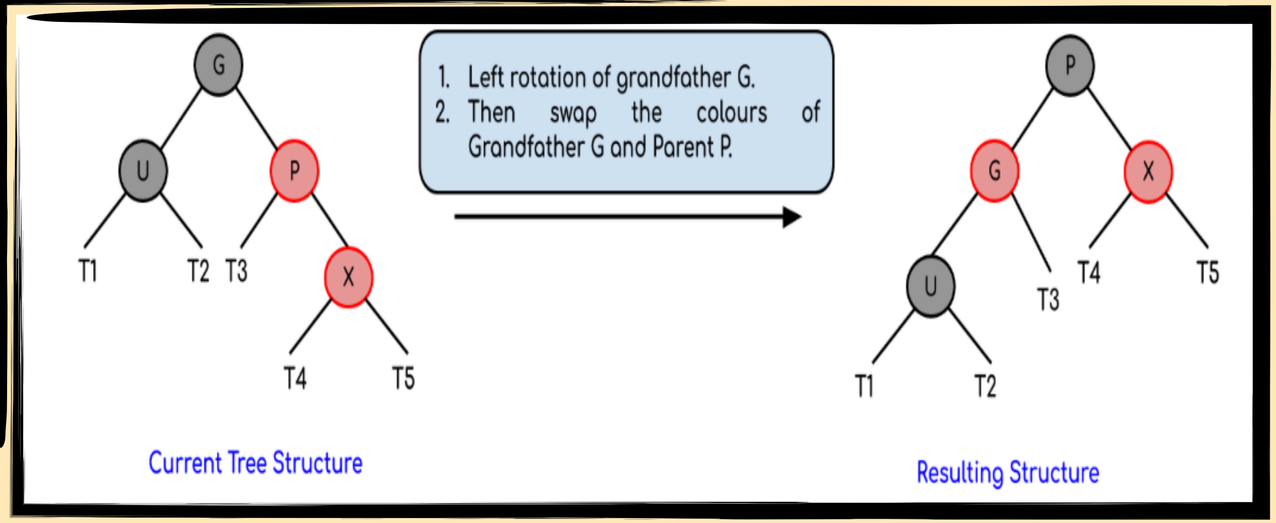
Red-Black Tree: case III



Red-Black Tree: case III



Red-Black Tree: case III



Red-Black Tree: case III