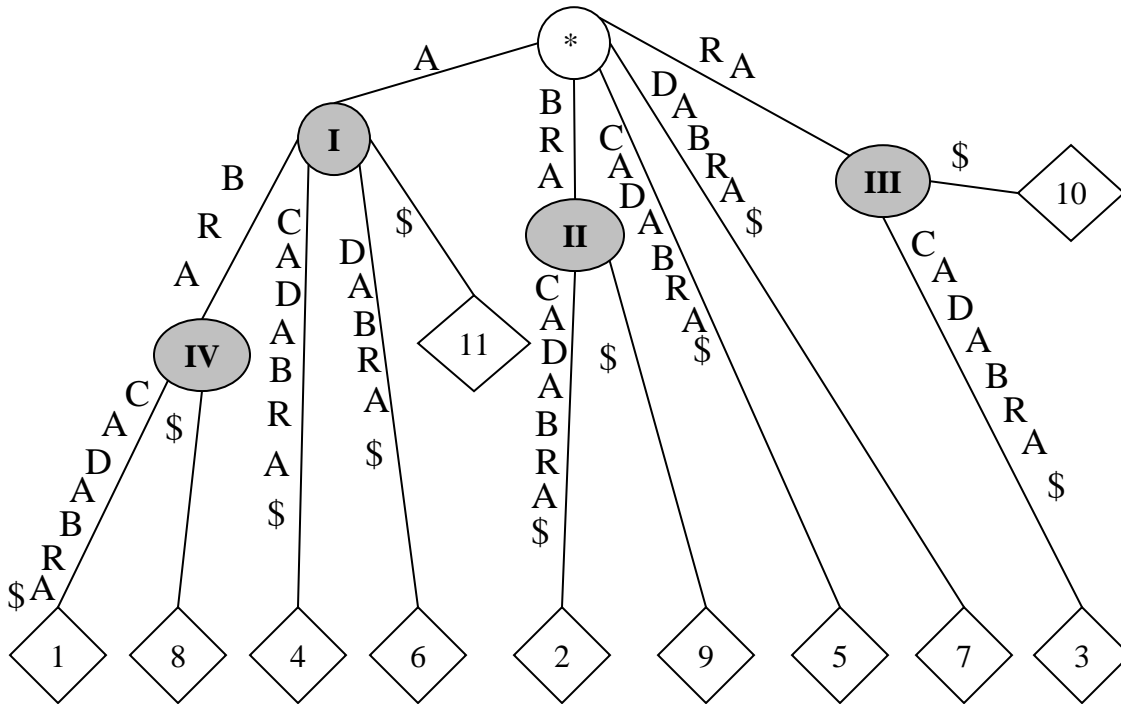


Quiz 5. Suffix tree – maximal repeats

The figure below represents a suffix tree for $T=ABRACADABRA$.

1	2	3	4	5	6	7	8	9	10	11	12
A	B	R	A	C	A	D	A	B	R	A	\$



1. List all the repetitive substrings of T and their corresponding internal nodes. The internal nodes are marked by roman numbers I, II, III and IV.

2. In what order these internal nodes are accessed during the depth-first traversal of the tree? (List them when they are encountered both when going downwards and upwards – an Euler tour through the suffix tree)