

Question 1

`if|while|for|class`

Question 2

`/(if|while)/i`

Question 3

`^(0|[1|2|3|4|5|6|7|8|9][0|1|2|3|4|5|6|7|8|9]*)$`

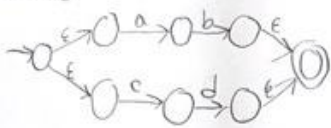
Question 4

`(a|b)*c+`

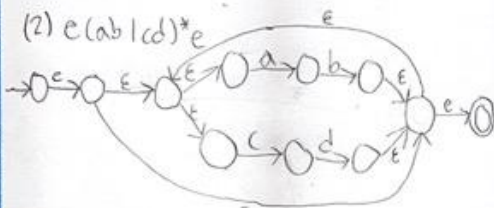
Question 5

`(a|b)*c{3}`

(1) $ab|cd$



(2) $e(ab|cd)^*e$



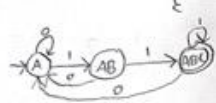
CFG(2)

```

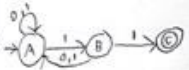
Stack int f();
decl_list → decl, decl_list
→ specifier type name_list;
→ static type name_list;
→ static int name_list;
→ static int name;
→ static int id arg;
→ static int f(decl_list);
→ static int f();

```

(1)



(2)



1(a)

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S → ab
A → aac
B → bb
C → a|b|c|ε

```

1(b)

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Σ { (, ), f, s, [, ] }
S → (s) | f s | [ s ]

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