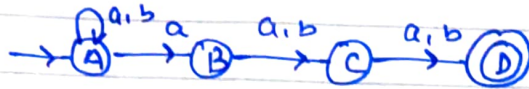


Expression $\rightarrow (a/b)^*a(a/b)(a/b)$

NFA Diagram :-



NFA Transition Table :-

	a	b
$\rightarrow A$	$[AB]$	$[A]$
B	$[C]$	$[C]$
C	$[D]^*$	$[D]^*$
$*D$	\emptyset	\emptyset

NFA to DFA :-

	a	b
$\rightarrow A$	$[AB]$	$[A]$
AB	$[ABC]$	$[Ac]$
AC	$[ABD]^*$	$[AD]^*$
$*AD$	$[AB]$	$[A]$
AB	$[ABC]$	$[Ac]$
ABC	$[ABCD]^*$	$[ACD]^*$
$*ACD$	$[ABD]^*$	$[AD]^*$
$*ABD$	$[ABC]$	$[Ac]$
$*ABCD$	$[ABCD]^*$	$[ACD]^*$

DFA Design

