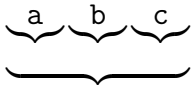


See:

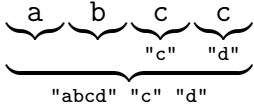
<http://anggtwu.net/e/lpeg.e.html#captions-question>

<http://anggtwu.net/LATEX/2023lpegcaptures.pdf>

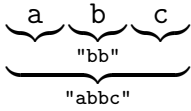
$P"a" * P"b" * P"c"$

$\Rightarrow$  

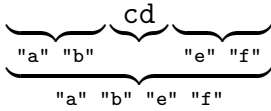
$(P(1) * P"b" * C(1) * C"d"):C()$

$\Rightarrow$  

$(P"a" * (P"b" / "bb") * P"c"):Cs()$

$\Rightarrow$  

$Cc("a", "b") * P"cd" * Cc("e", "f")$

$\Rightarrow$  

$$Cc"a" * Cc("b", "c"):Cg"d" * Cc"e"$$

$$\Rightarrow \underbrace{\underbrace{"a"} \underbrace{"b" "c"} "e"}_{d=\{"b" "c".\}} \underbrace{"a" d=\{"b" "c".\} "e"}_{"a" "e"}$$

$$(Cc"a" * Cc("b", "c"):Cg"d" * Cc"e"):Ct()$$

$$\Rightarrow \underbrace{\underbrace{"a"} \underbrace{"b" "c"} "e"}_{d=\{"b" "c".\}} \underbrace{"a", d=\{"b", "c"}, "e"}$$

$$(Cc"a" * Cc("b", "c"):Cg"d" * Cc"e" * Cc("f", "g"):Cg"d"):Ct()$$

$$\Rightarrow \underbrace{\underbrace{"a"} \underbrace{"b" "c"} "e"}_{d=\{"b" "c".\}} \underbrace{\underbrace{"f" "g"}}_{d=\{"f" "g".\}} \underbrace{"a" d=\{"b" "c".\} "e" d=\{"f" "g".\}}_{\{"a", d=\{"b", "c"}, "e", d=\{"f"}\}} \underbrace{\{"a", "e", d=\{"f"}\}}$$

$$Cc"a" * Cc("b", "c"):Cg"d" * Cc"e" * Cc("f", "g"):Cg"d"$$

$$\Rightarrow \underbrace{\underbrace{"a"} \underbrace{"b" "c"} "e"}_{d=\{"b" "c".\}} \underbrace{\underbrace{"f" "g"}}_{d=\{"f" "g".\}} \underbrace{"a" d=\{"b" "c".\} "e" d=\{"f" "g".\}}_{"a" "e"}$$

$$(Cc"a" * Cc("c", "d"):Cg"b" * Cc("e", "f"):Cg"b" * Cc"g" * Cb"b"):Ct()$$

$$\Rightarrow$$

$$\underbrace{\underbrace{\underbrace{\underbrace{"a"} \quad \underbrace{"c" \quad "d"} \quad \underbrace{"e" \quad "f"} \quad \underbrace{"g"} \quad ["b"]}_{b=\{."c" \quad "d".\} \quad b=\{."e" \quad "f".\}}}_{"a" \quad b=\{."c" \quad "d".\} \quad b=\{."e" \quad "f".\} \quad "g"}}$$

$$\underbrace{\underbrace{"a" \quad b=\{."e" \quad "f".\} \quad "g"}}_{"a" \quad b=\{."e" \quad "f".\} \quad "g" \quad "e" \quad "f"}}$$

$$\underbrace{\underbrace{"a" \quad b=\{."e" \quad "f".\} \quad "g" \quad "e" \quad "f"}}_{\{ "a", b=\{ "e", "f" \}, "g", "e", "f" \}}$$

$$(Cc"a":Cg"b" * Cc"c":Cg"d" * Cc"e":Cg"f") * Cb"b"$$

$$\Rightarrow$$

$$\underbrace{\underbrace{\underbrace{\underbrace{"a"} \quad \underbrace{"c"} \quad \underbrace{"e"} \quad ["b"]}_{b="a" \quad d="c" \quad f="e"}}}_{b="a" \quad d="c" \quad f="e"}}$$

$$\underbrace{\underbrace{b="a" \quad d="c" \quad f="e" \quad ["b"]}}_{b="a" \quad d="c" \quad f="e" \quad "a"}}$$

$$Cc"a":Cg"b" * (Cc"c":Cg"d" * Cc"e":Cg"f" * Cb"b")$$

$$\Rightarrow$$

$$\underbrace{\underbrace{\underbrace{\underbrace{"a"} \quad \underbrace{"c"} \quad \underbrace{"e"} \quad ["b"]}_{b="a" \quad d="c" \quad f="e"}}}_{d="c" \quad f="e" \quad ["b"]}}$$

$$\underbrace{\underbrace{b="a" \quad d="c" \quad f="e" \quad ["b"]}}_{b="a" \quad d="c" \quad f="e" \quad "a"}}$$

$$(Cc"a" * (Cc("b", "c") * Cc"d":Cg"e"):Cg"f" * Cb"f"):Ct()$$

$$\Rightarrow$$

$$\underbrace{\underbrace{\underbrace{\underbrace{"a"} \quad \underbrace{"b"} \quad \underbrace{"c"} \quad \underbrace{"d"} \quad ["f"]}_{e="d"}}$$

$$\underbrace{\underbrace{"a" \quad "b" \quad "c" \quad e="d"}}$$

$$\underbrace{\underbrace{"a" \quad "b" \quad "c"}}$$

$$\underbrace{\underbrace{f=\{."a" \quad "b" \quad "c".\}}}_{f=\{."a" \quad "b" \quad "c".\} \quad ["f"]}}$$

$$\underbrace{\underbrace{f=\{."a" \quad "b" \quad "c".\} \quad "a" \quad "b" \quad "c"}}$$

$$\underbrace{\underbrace{\{f=\{ "a" \}, "a", "b", "c" \}}}$$