1 Figures for Part I

$$
\begin{tikzcd}
X \arrow[d, "f"'] \arrow[dr, "h"] & \\
Y \arrow[r, "g"] & Z
\end{tikzcd}
$$

Figures 1:

$$
\begin{tikzcd}
X \times [0,1] \arrow[r, "f\times \mathrm{id}"] \arrow[d, "h_X"'] & Y \times [0,1] \arrow[d, "h_Y"'] \\
\mathrm{Cone}(X) \arrow[r, "g"] & \mathrm{Cone}(Y)
\end{tikzcd}
$$

Figure 2:

$$
\begin{tikzcd}
 & C \arrow[d, "f"'] \\
D \arrow[ur, "h"] \arrow[r, "g"] & B
\end{tikzcd}
$$

Figures 3:

$$
\begin{tikzcd}
X \arrow[r, "h"] \arrow[d, "\phi_X"'] & Y \arrow[d, "\phi_Y"'] \\
B \arrow[r, "f"] & C
\end{tikzcd}
$$

Figure 4:

$$
\begin{tikzcd}
B/b \arrow[r, "h_b"] \arrow[d, "\phi_b"'] & C/f(b) \arrow[d, "\phi_{f(b)}"'] \\
B \arrow[r, "f"] & C
\end{tikzcd}
$$

Figures 5:

$$
\begin{tikzcd}
d \arrow[rr, "h"] \arrow[dr, "f"'] & & d' \arrow[dl, "g"] \\
 & c &
\end{tikzcd}
$$

Figure 6:

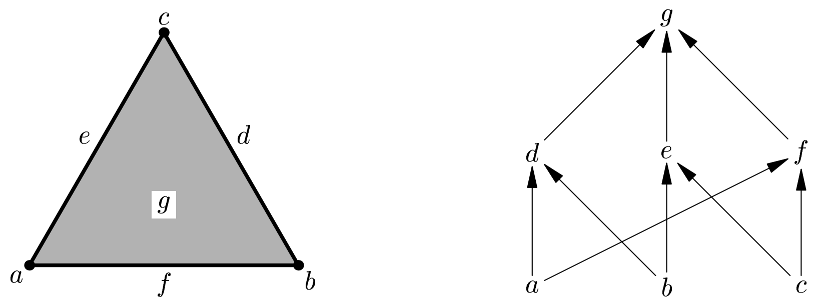

Figure 7:

Figure 8:

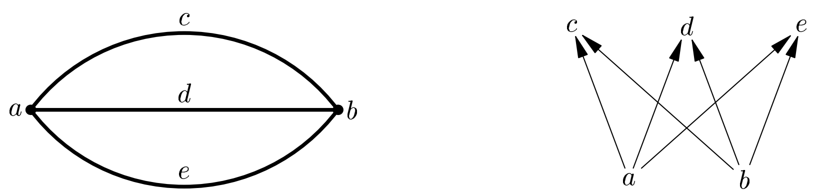

Figure 9:

2 Figures for Part II

$$1 \xrightarrow{1} 2 \xrightarrow{2} 3 \xrightarrow{3} 4 \quad \cdots \quad n \xrightarrow{n} n+1$$

Figure 10:

$$\cdots \quad -1 \xrightarrow{-1} 0 \xrightarrow{0} 1 \xrightarrow{1} 2 \xrightarrow{2} 3 \quad \cdots$$

Figure 11:

$$0 \xrightarrow{a} 1 \xrightarrow{b} 2 \xrightarrow{a} 3 \xrightarrow{c} 4 \xrightarrow{d} 5$$

Figure 13:

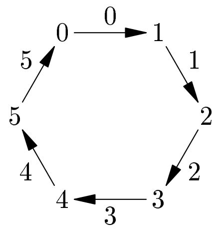

Figure 12:

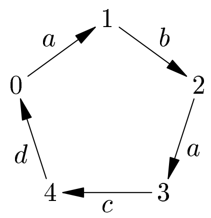

Figure 14:

3 Figures for Part III

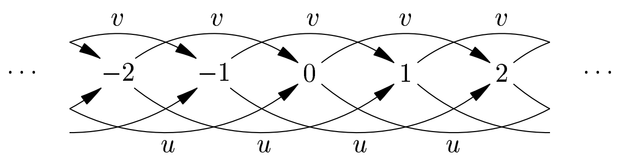

Figure 15:

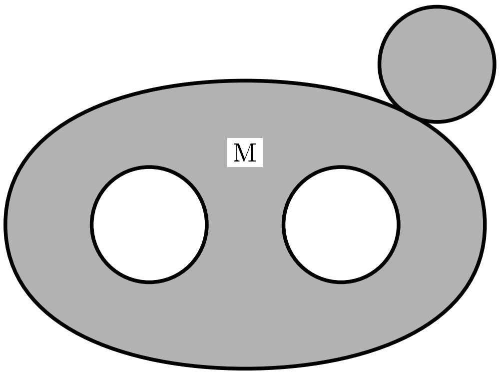

Figure 16:

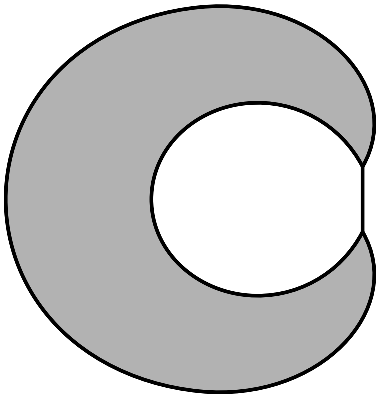

Figure 17:

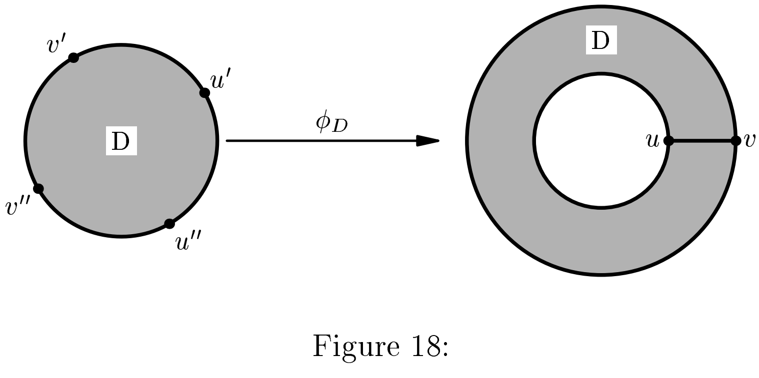

Figure 18:

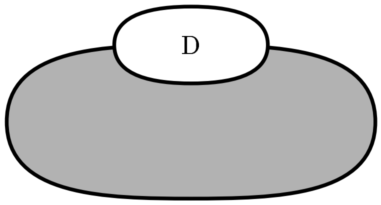

Figure 19:

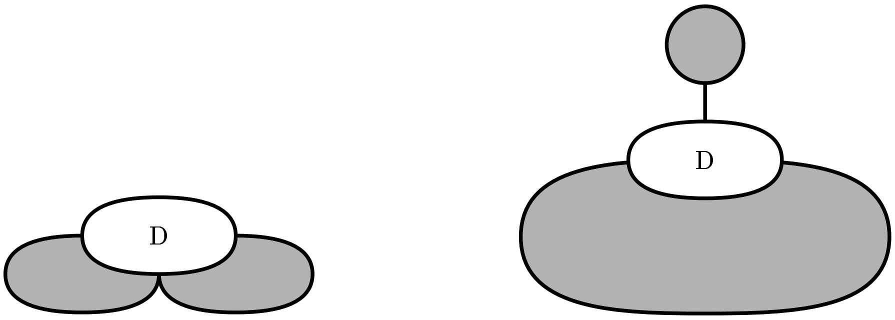

Figure 20:

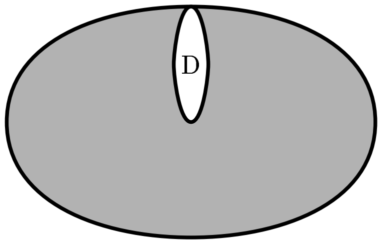

Figure 21:

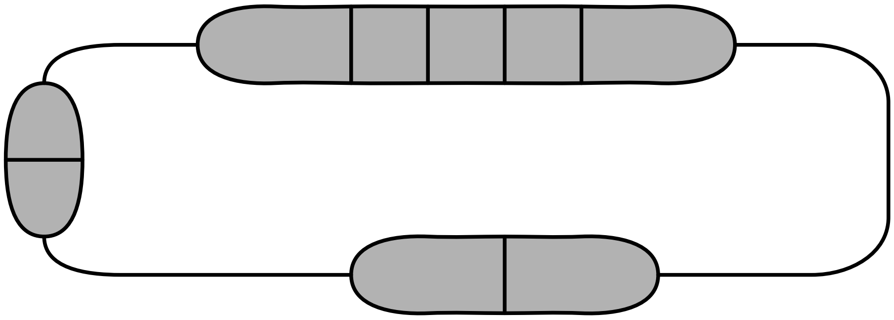

Figure 22:

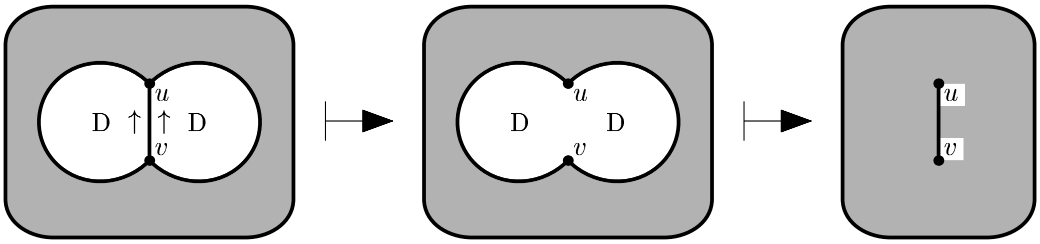

Figure 23:

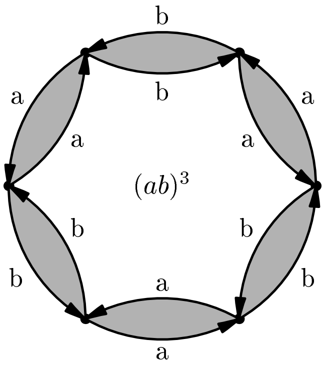

Figure 24:

4 Figures for Part IV

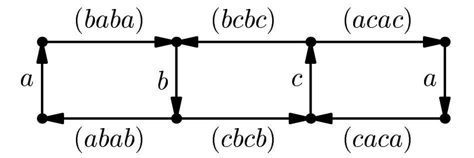

Figure 25:

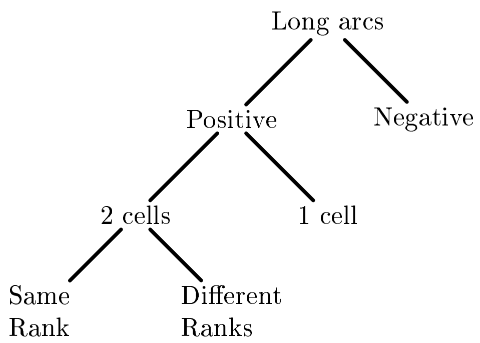

Figure 26:

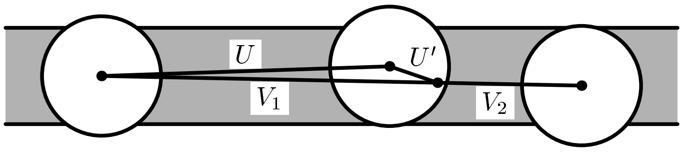

Figure 27:

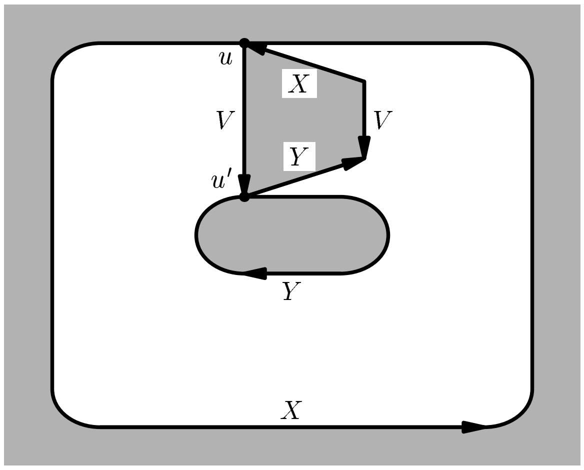

Figure 28:

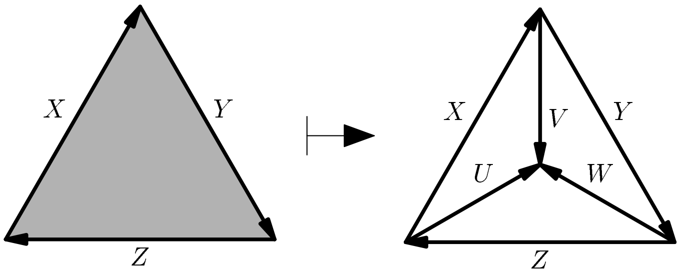

Figure 29:

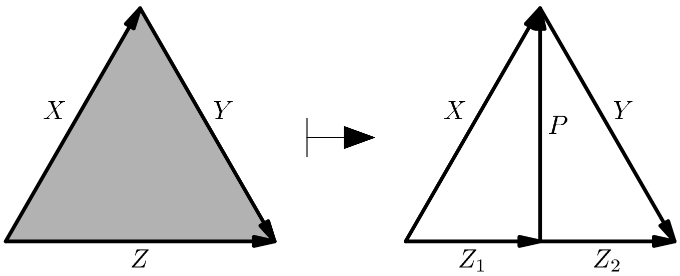

Figure 30:

5 Figures for Part V

Rank	Start	After Step 1	After Step 2	After Step 3
1	$1-3\alpha-2\epsilon$	α	3α	α
2	$1-3\alpha-2\epsilon$	α	3α	α
...	...	...	...	...
$k-1$	$1-3\alpha-2\epsilon$	α	3α	α
k	$1-3\alpha-2\epsilon$	$1-3\alpha$	$\alpha-2\epsilon$	α
$(k+1)$	(δ)			$(\delta+2\epsilon)$

Figure 31:

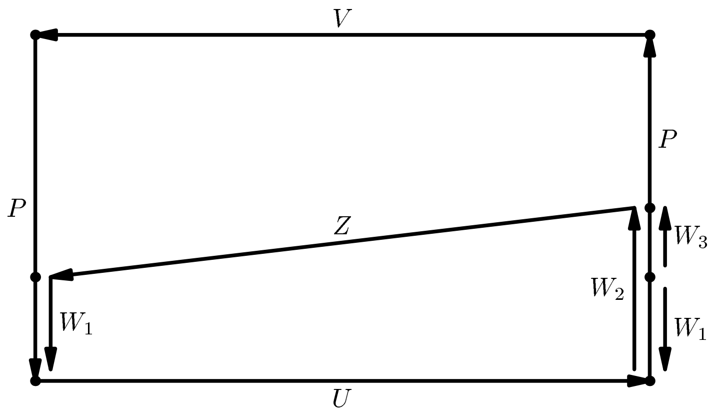

Figure 32:

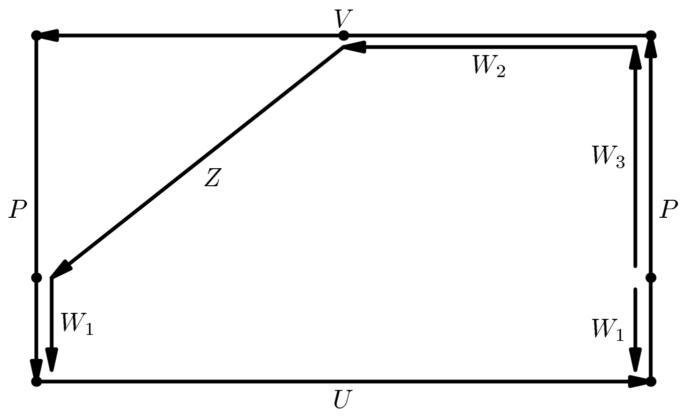

Figure 33:

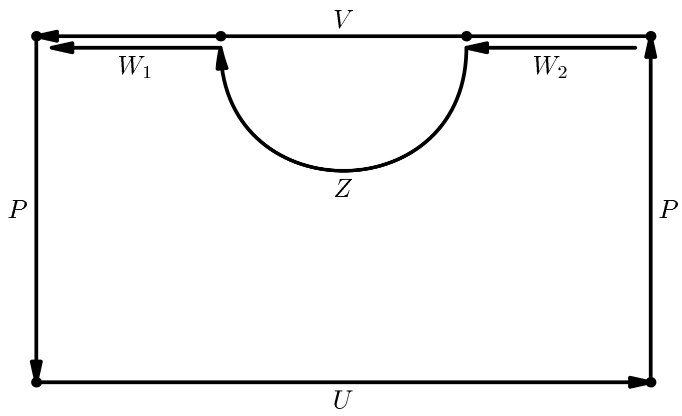

Figure 34:

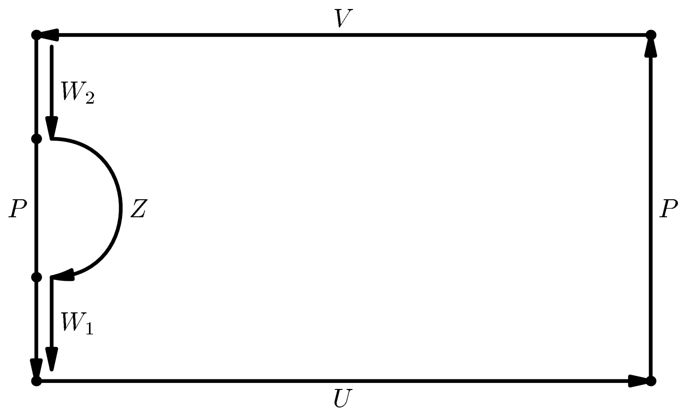

Figure 35: