12 頂点 E-cycle 付 DS-diagrams

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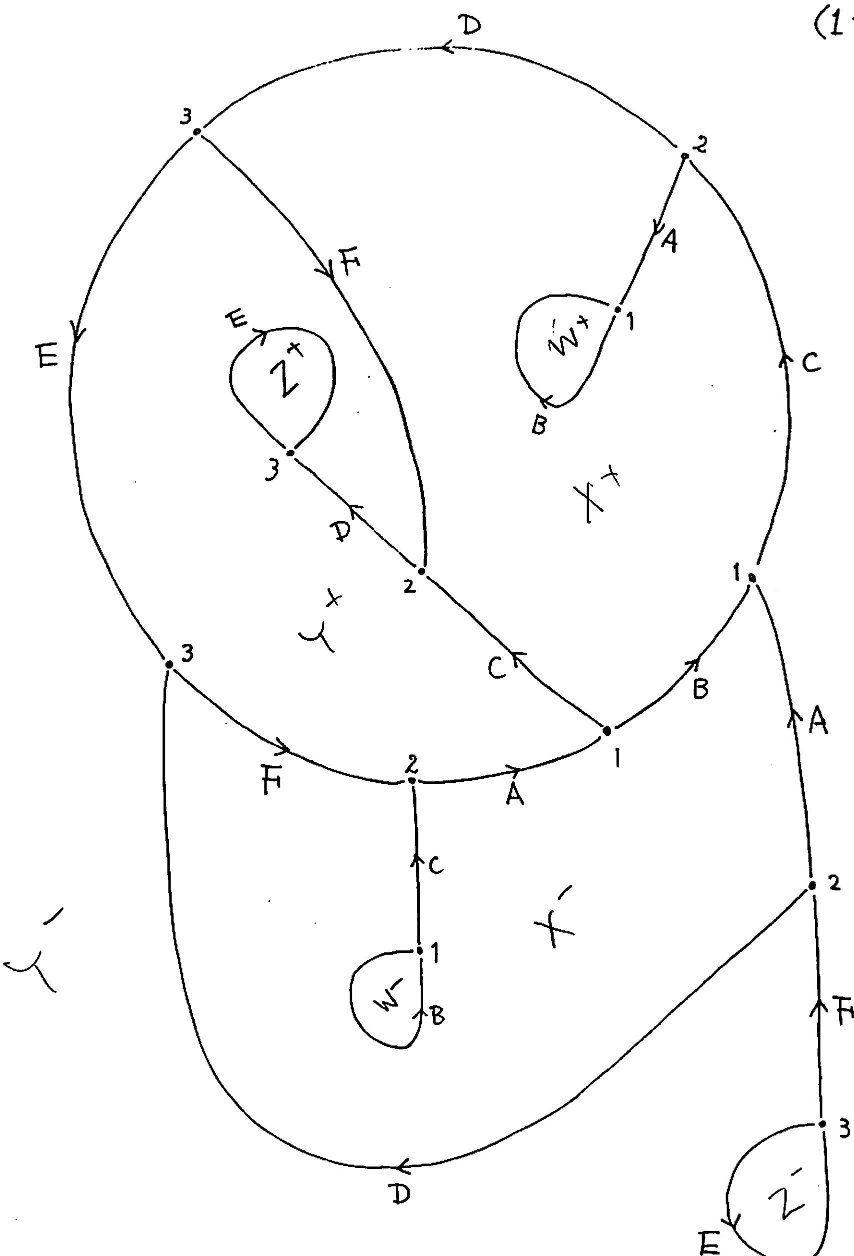
12 頂点 の DS-diagrams で E-cycle を持ち、orientabe manifold を表わすものをすべて挙げる。

注意

1. singularity-data (cf. 数理研講究録 563) としては実現可能であっても diagram が非連結となるものは除いた。

2. 互いに、DS-diagram として同じでも異なる E-cycles をとれる場合はそれらの E-cycle ごとに重複して挙げてある。

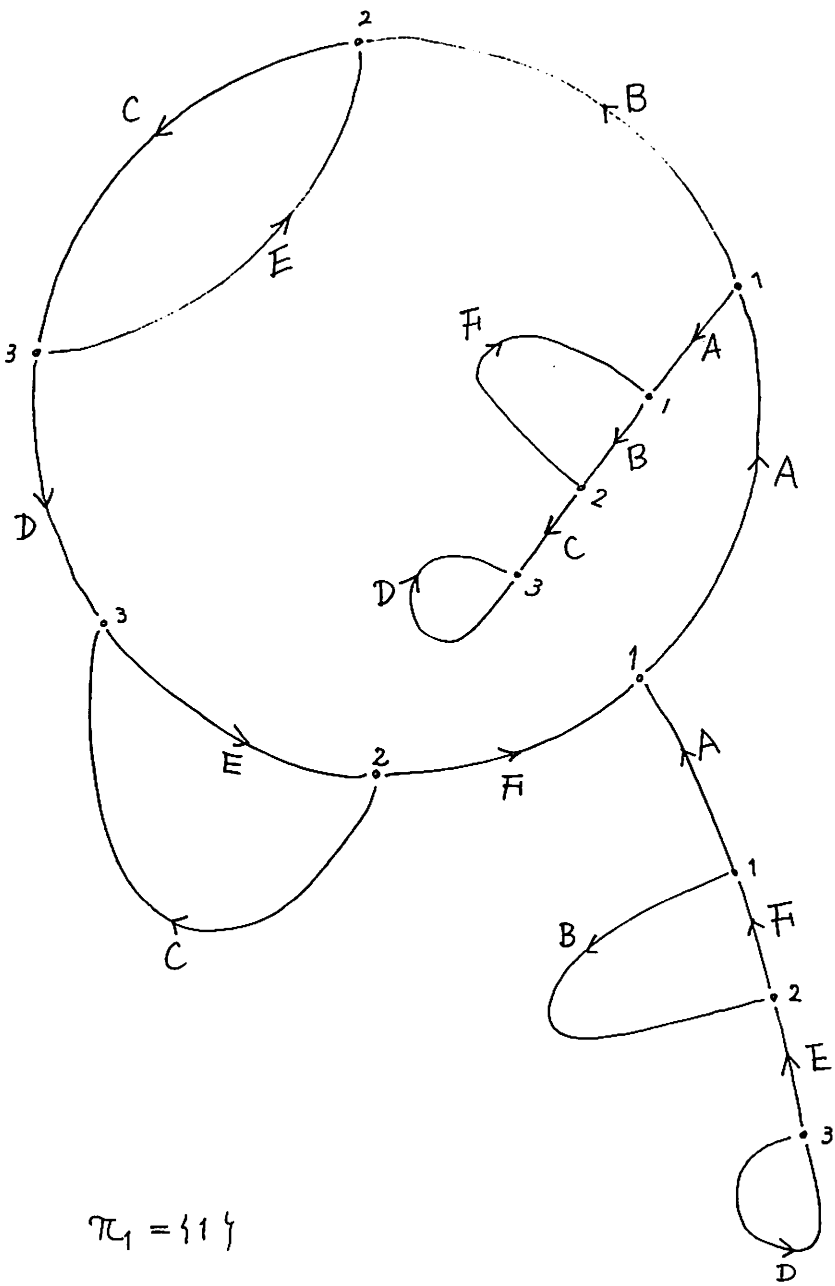
(1−1)



$\pi_1 = \{1\}$

$\mathfrak{S}_2 =$ ○○○○

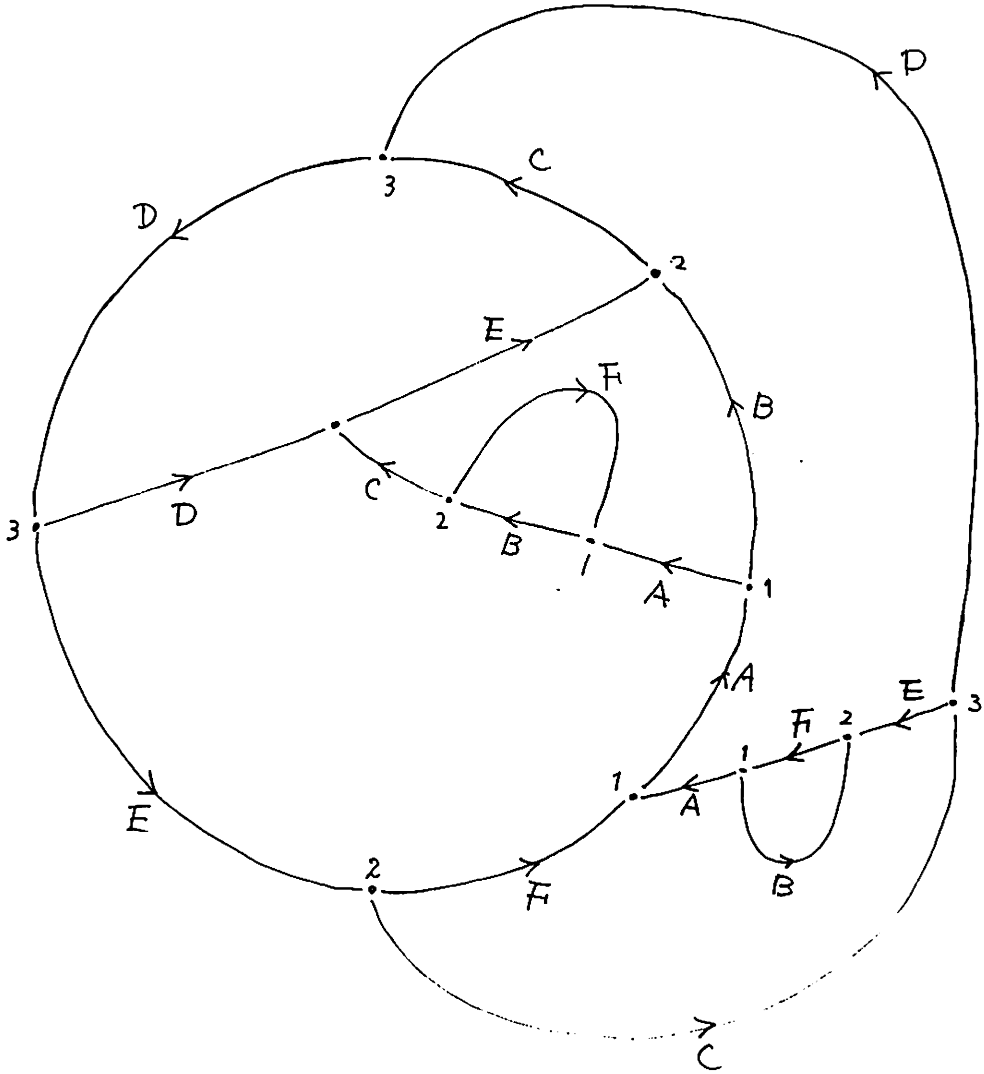
(1-2)



$\pi_1 = \{1\}$

$\mathfrak{S}_2 =$ 

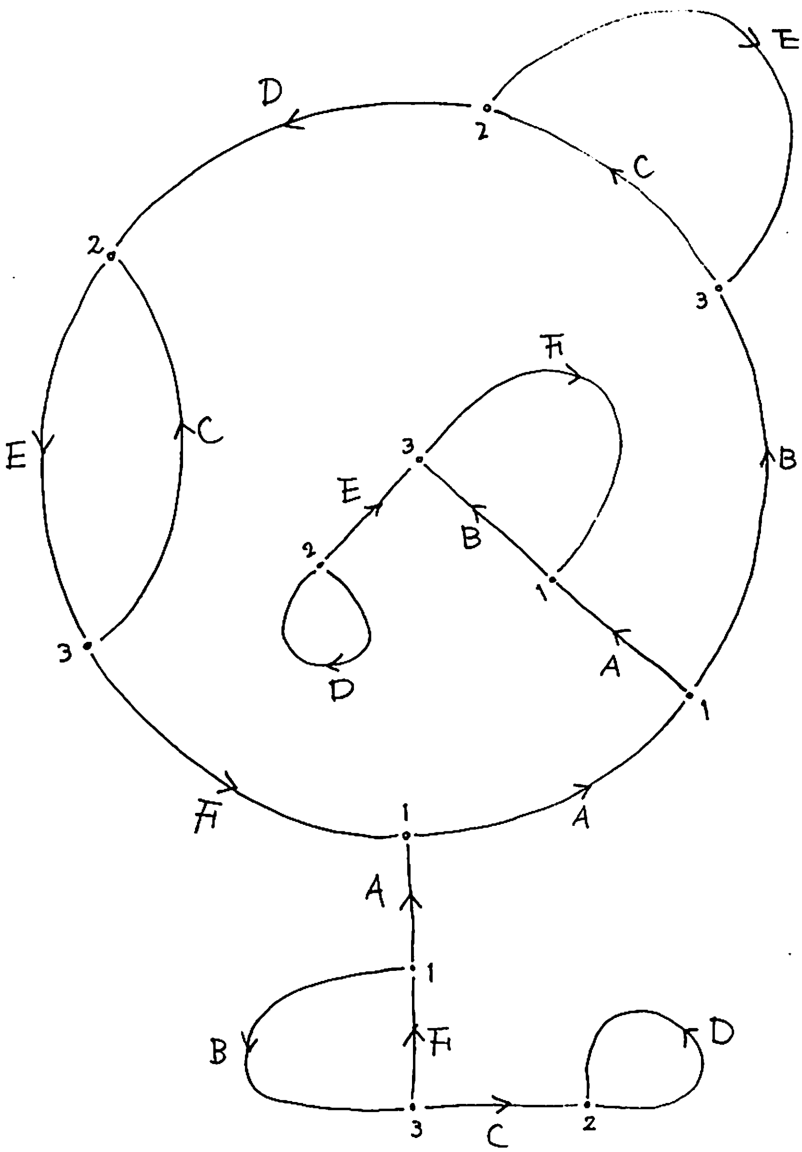
(1-3)



$\pi_1 = \{1\}$

$\sigma_2 =$ OOOO

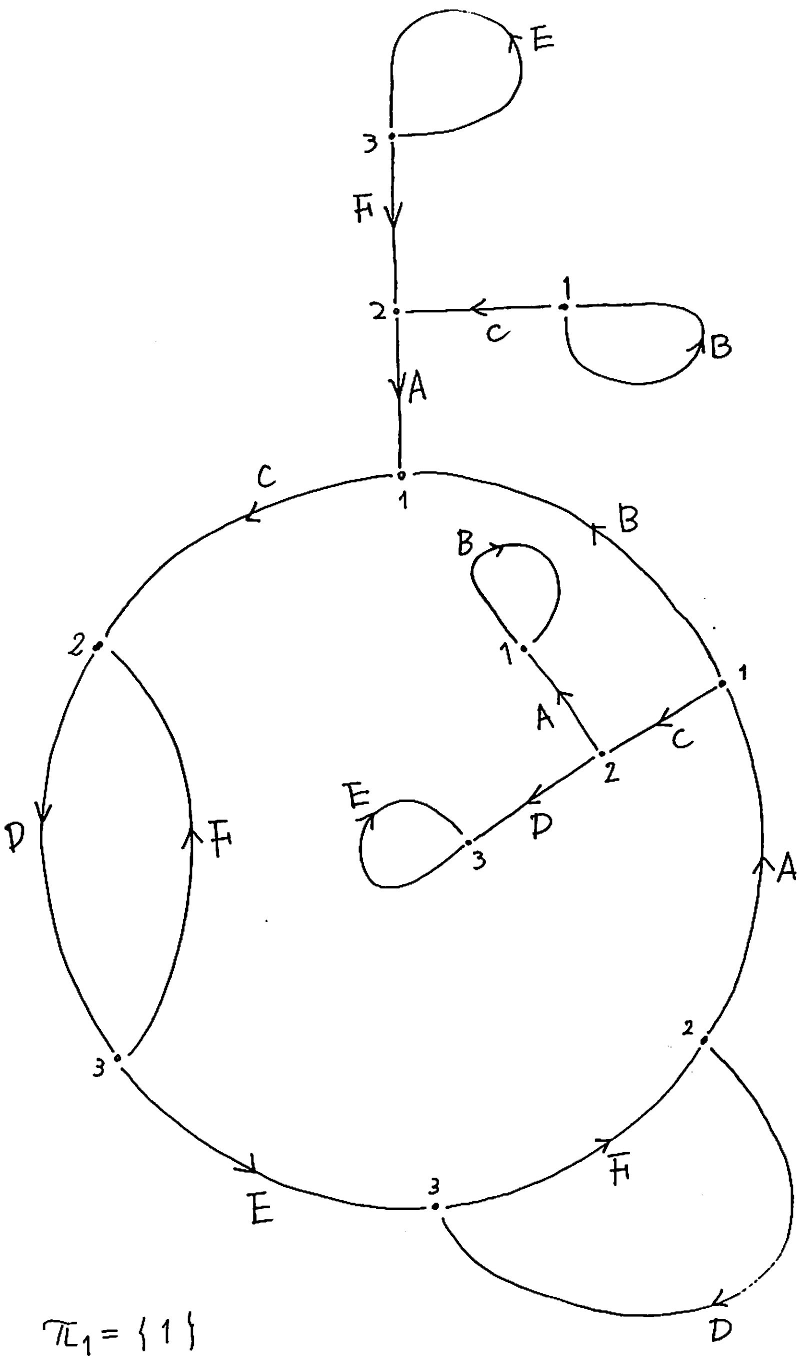
(1-4)



$\pi_1 = \{1\}$

$\mathfrak{S}_2 =$ 

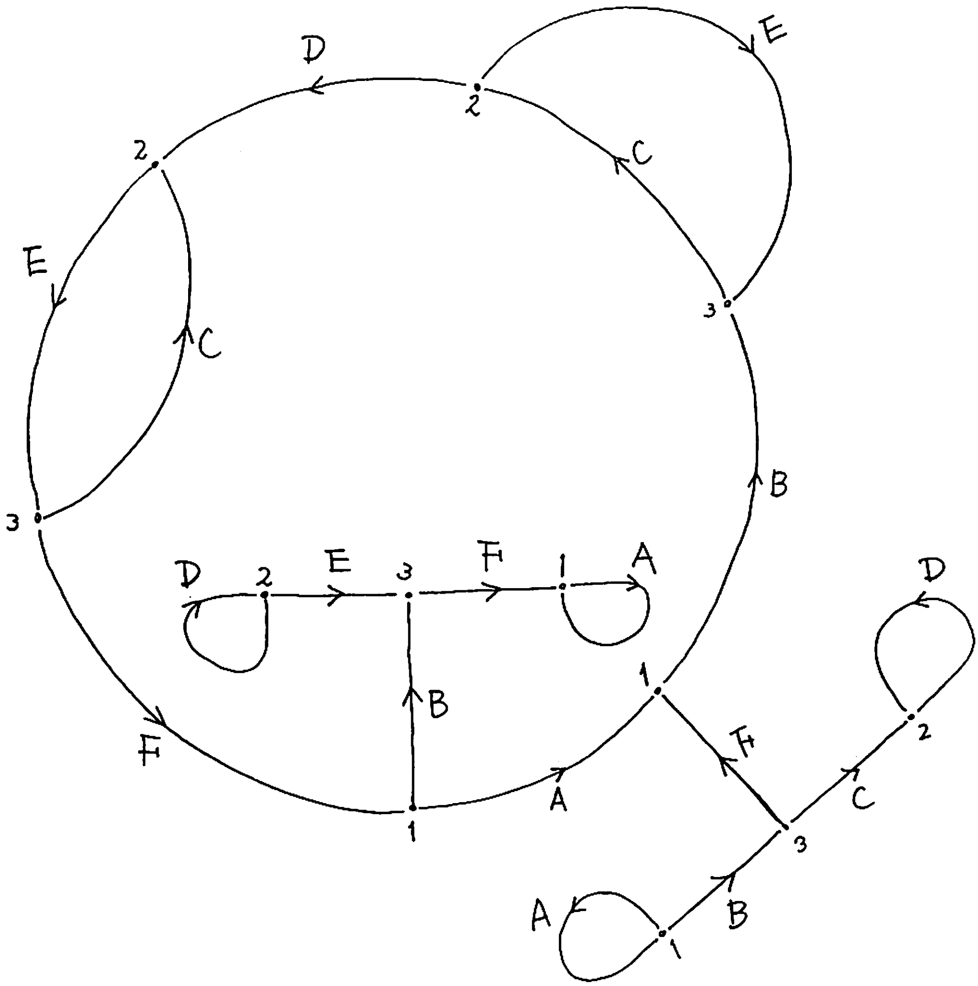
(1-5)



$\pi_1 = \{1\}$

$\sigma_2 = \bigcirc\bigcirc\bigcirc\bigcirc$

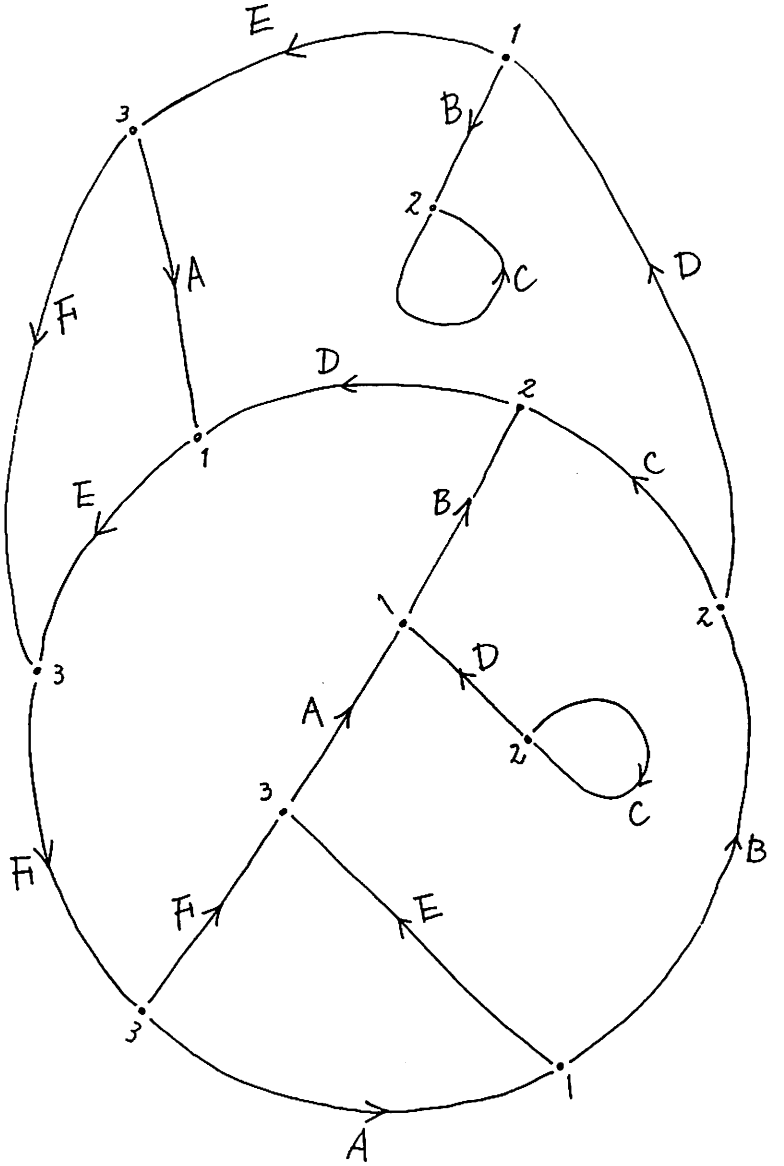
(1–6)



$\pi_1 = \{1\}$

$\sigma_2 =$ 

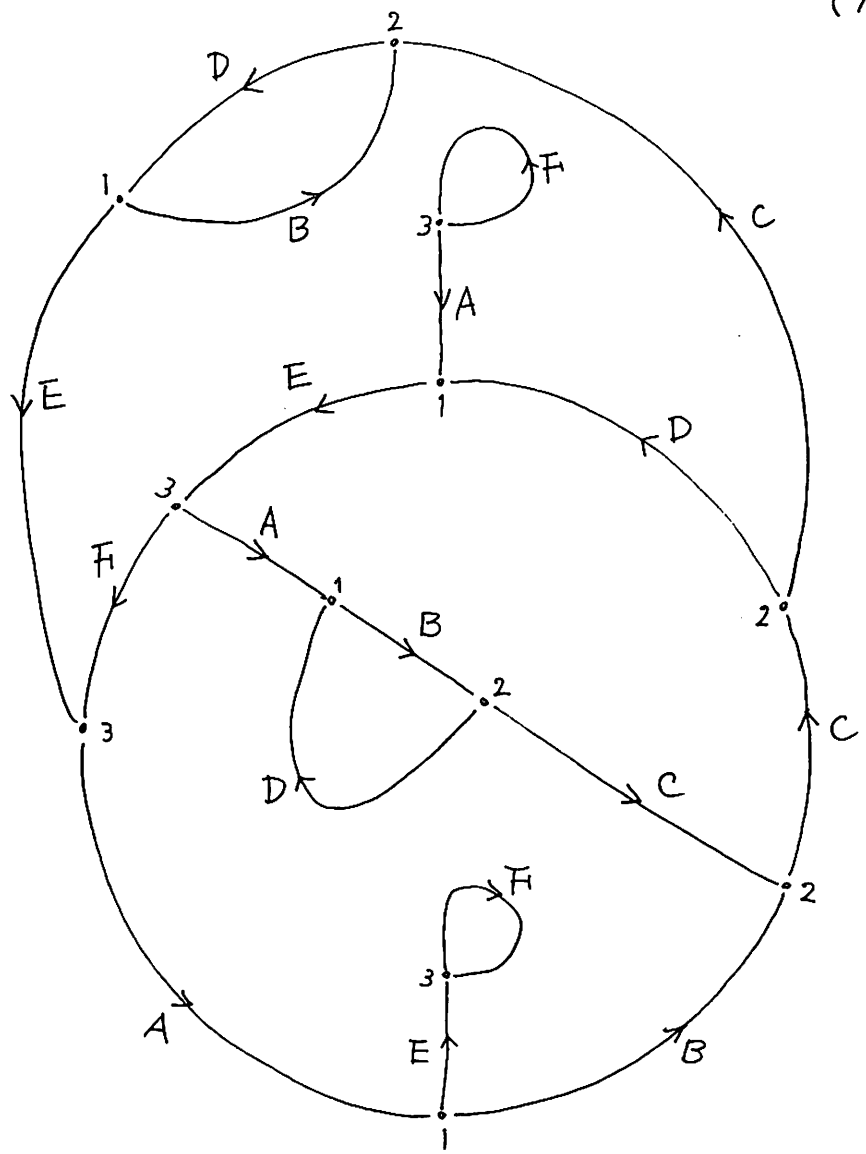
(1-7)



$\pi_1 = \{1\}$

$\mathfrak{S}_2 =$ 

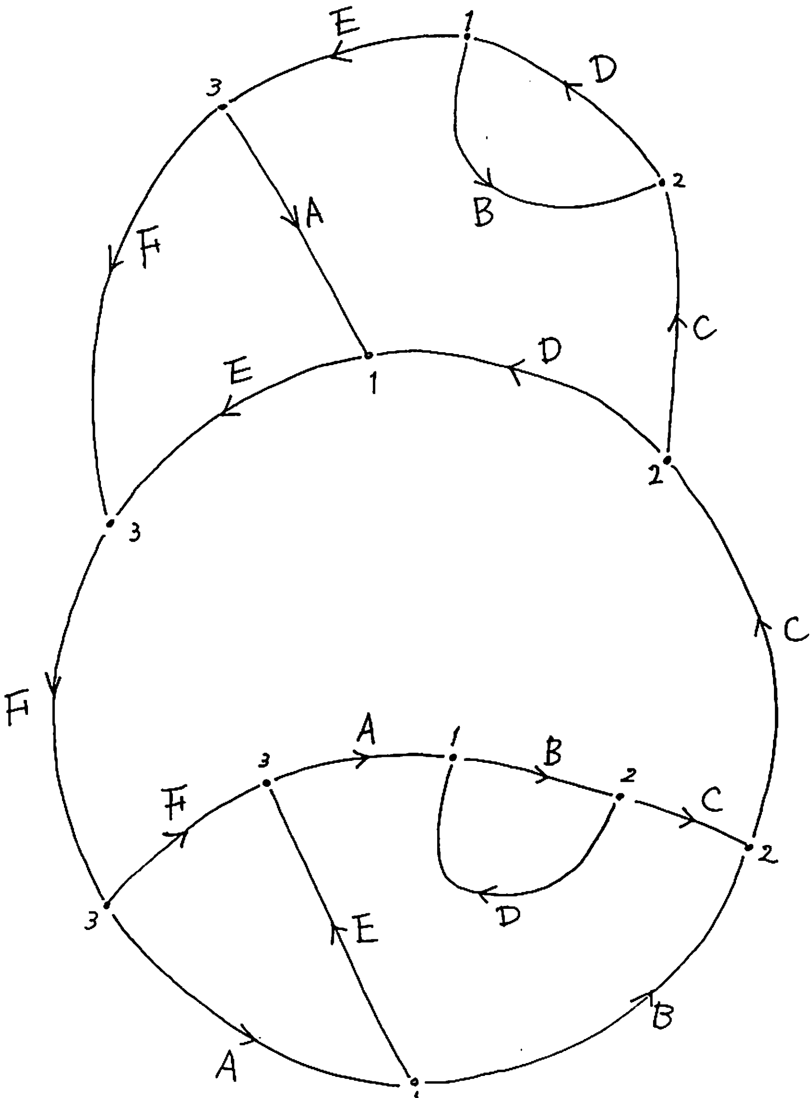
(1-8)



$\pi_1 = \{1\}$

$\mathfrak{S}_2 =$ ◯◯◯◯

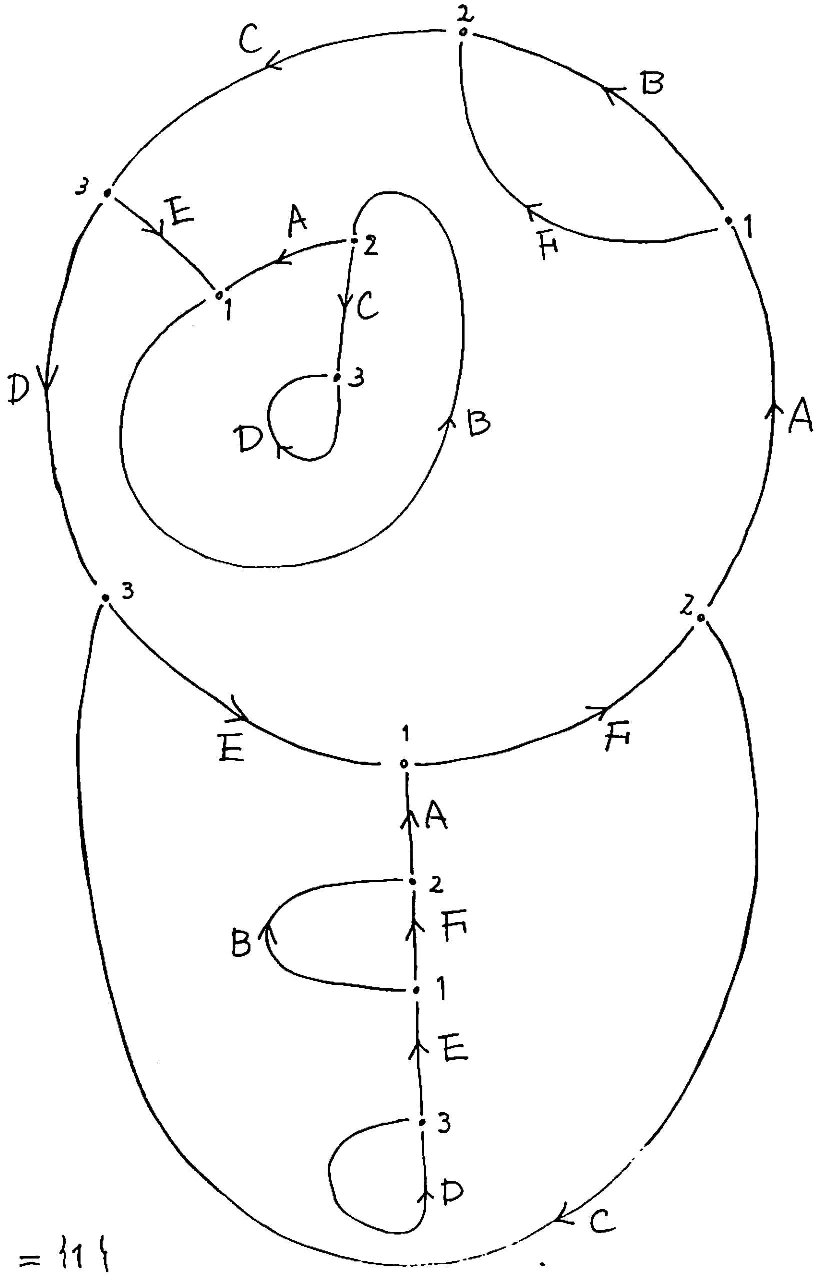
(1-9)



$\pi_1 = \{1\}$

$\sigma_2 =$ OOOO

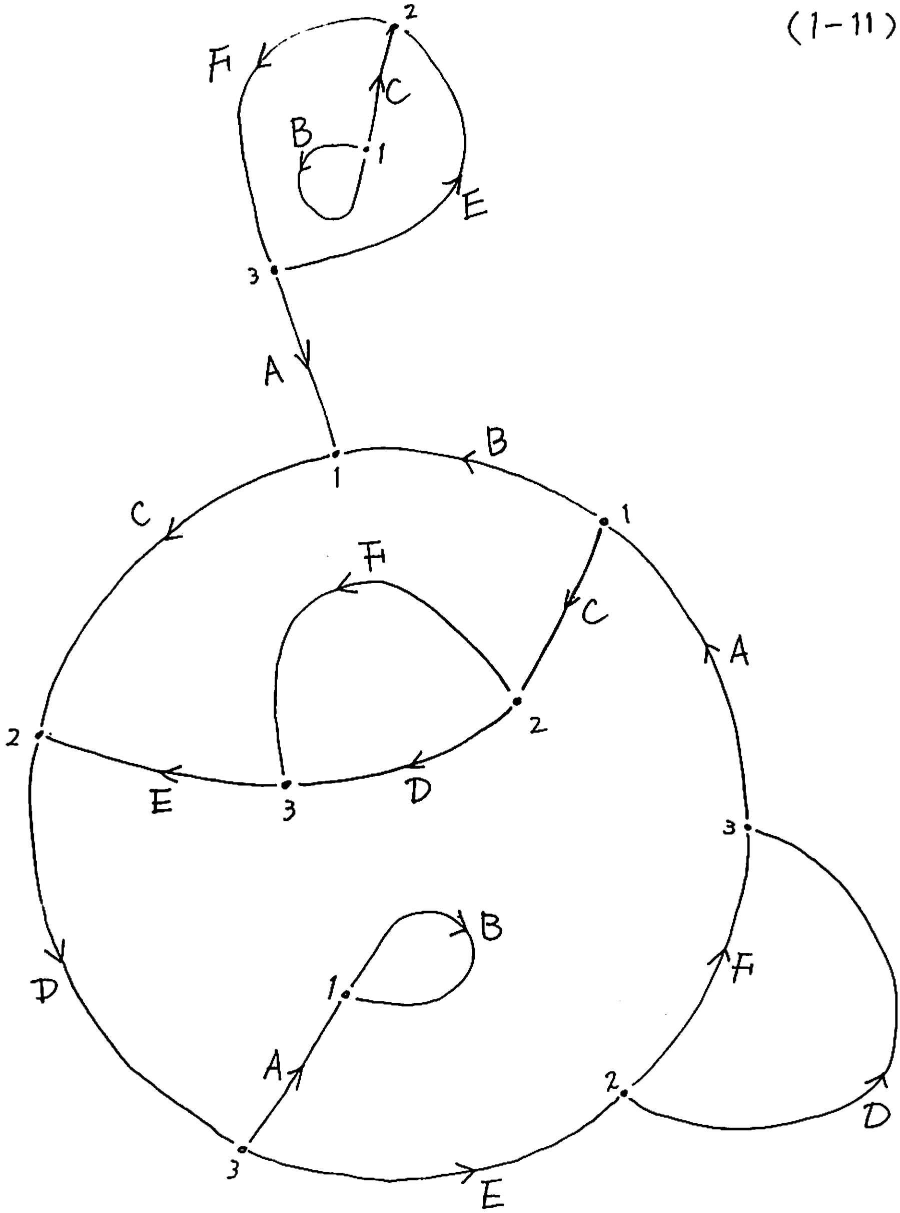
(1—10)



$\pi_1 = \{1\}$

$\sigma_2 =$ OOO

(1-11)



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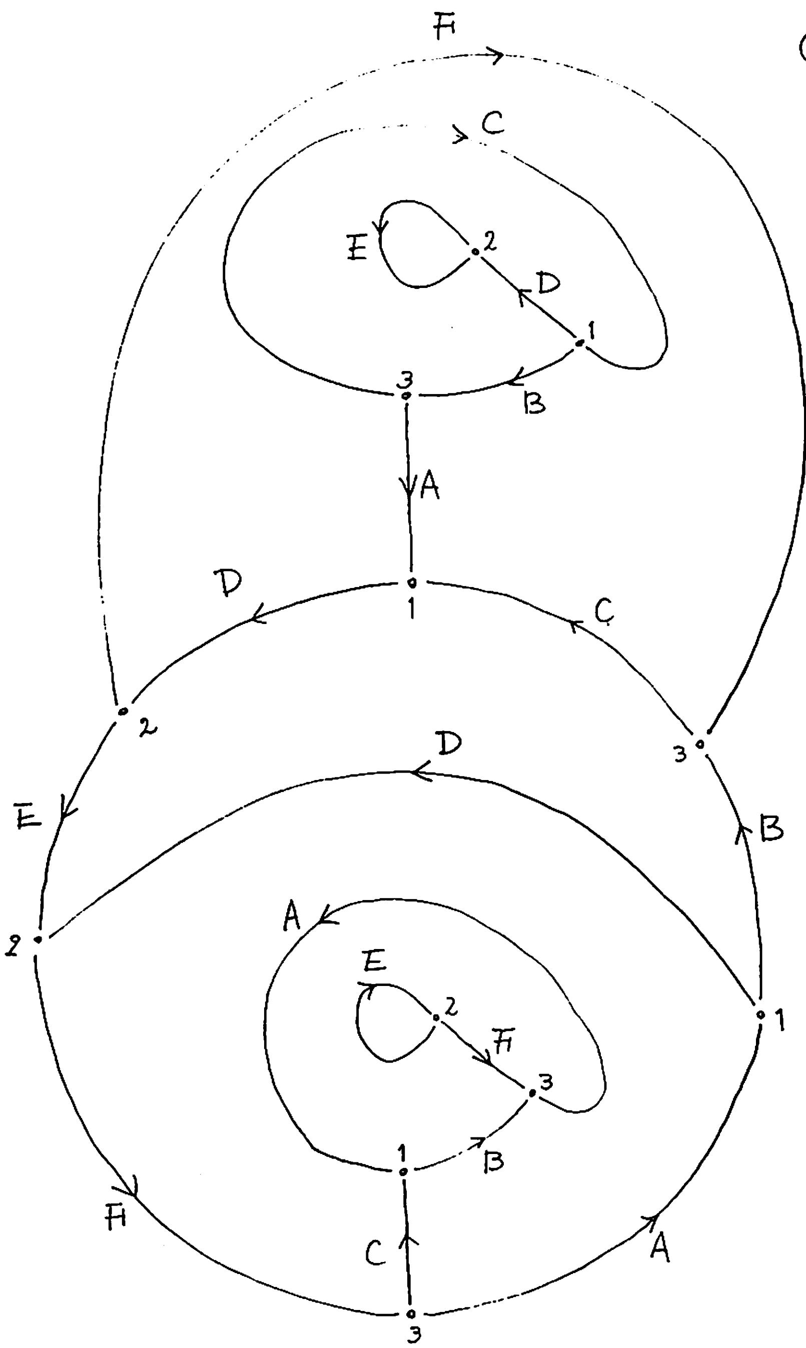
$\sigma_2 =$ 

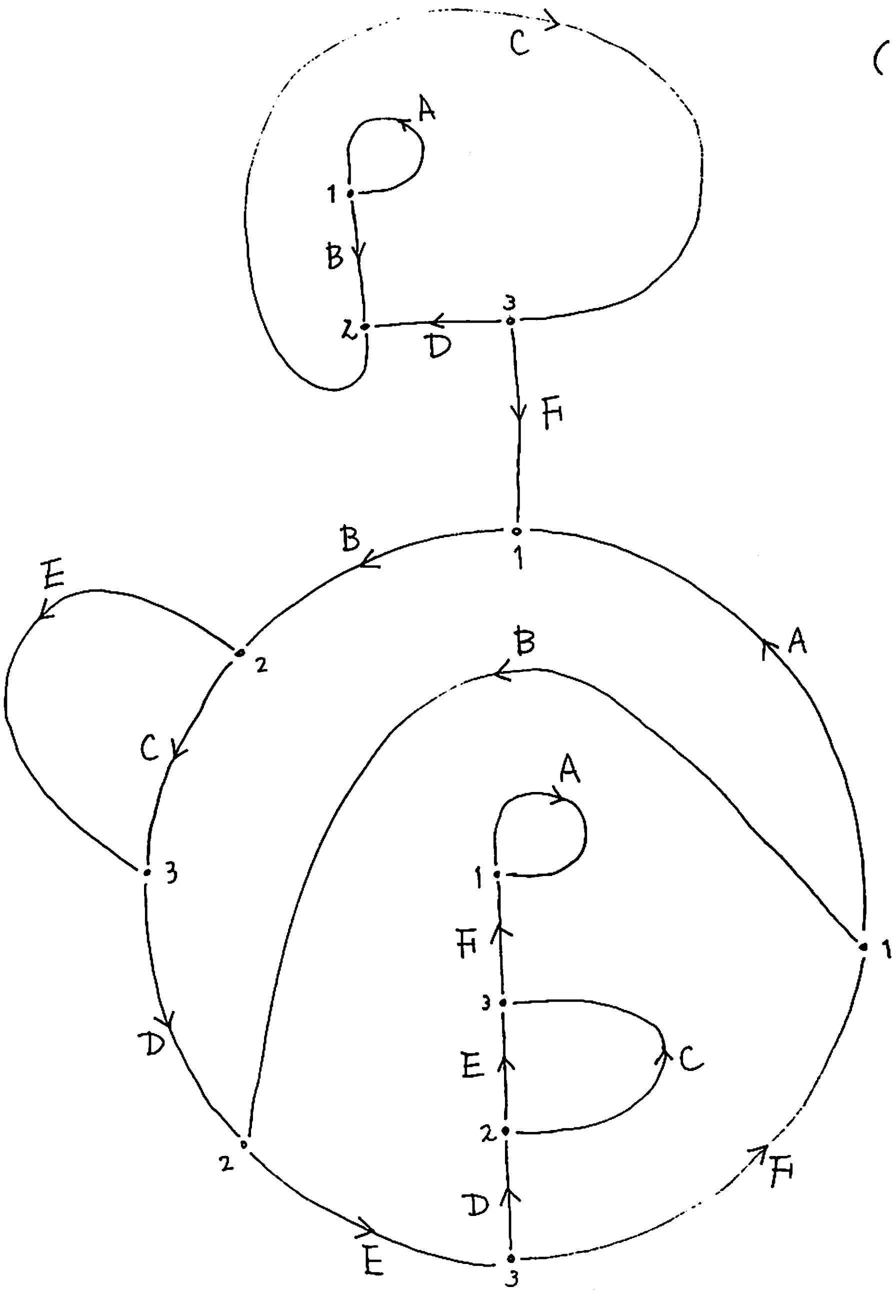
(1-12)



$\pi_1 = \{1\}$

$\Theta_2 =$ 

(1-13)



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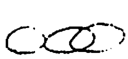
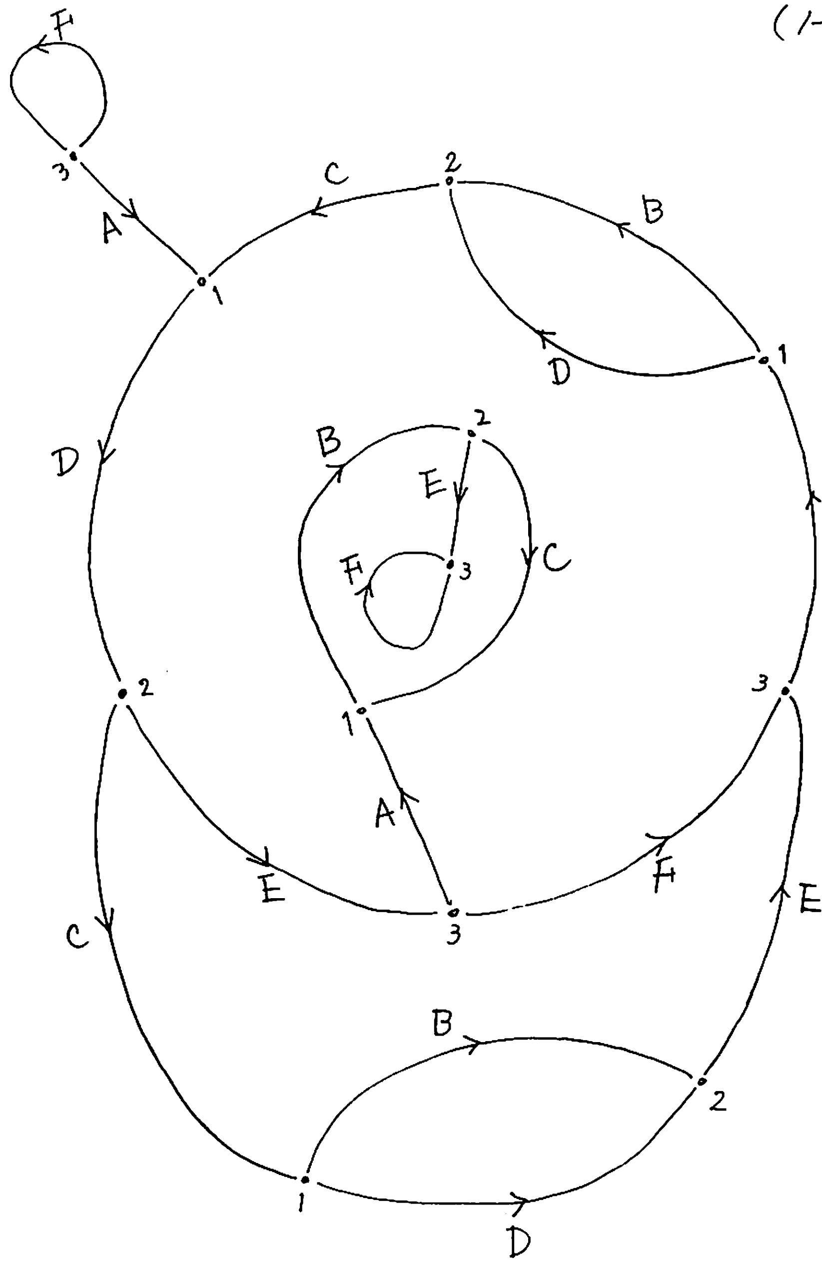
$\mathfrak{S}_2 =$



(1–14)



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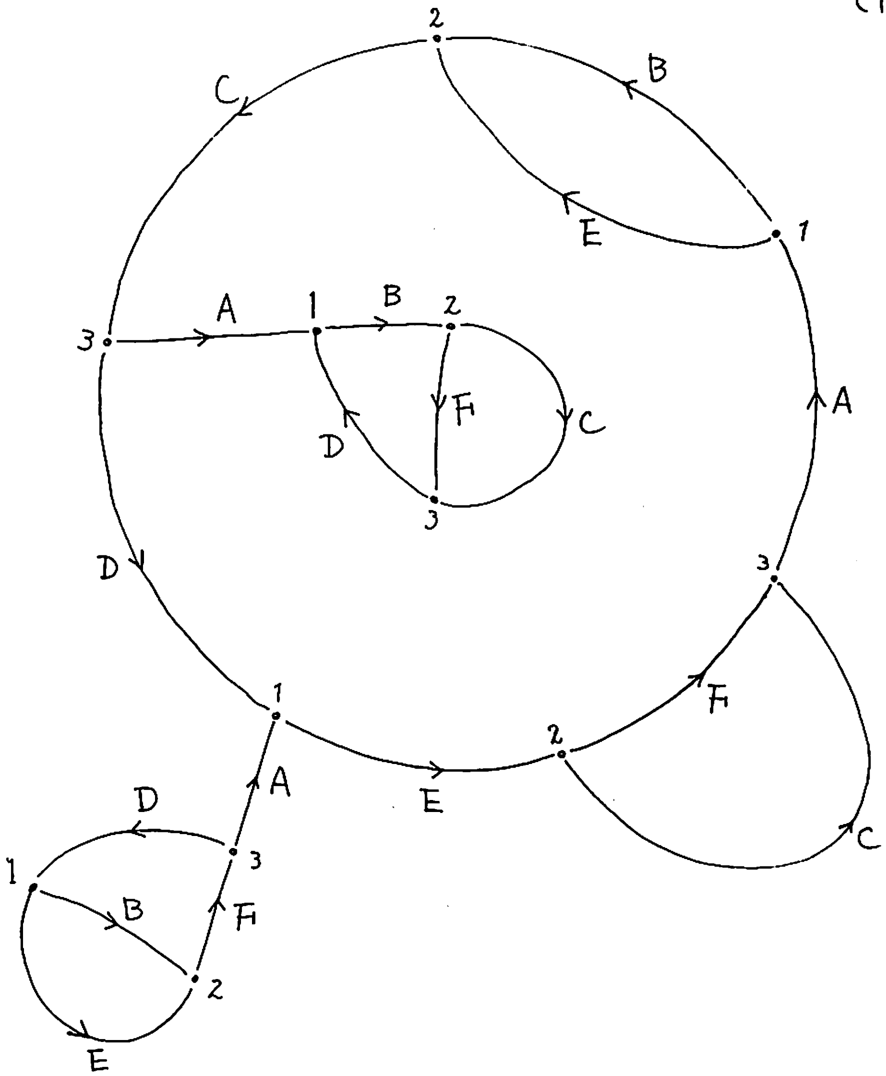
$\sigma_2 =$ 

(1-15)



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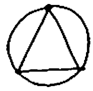
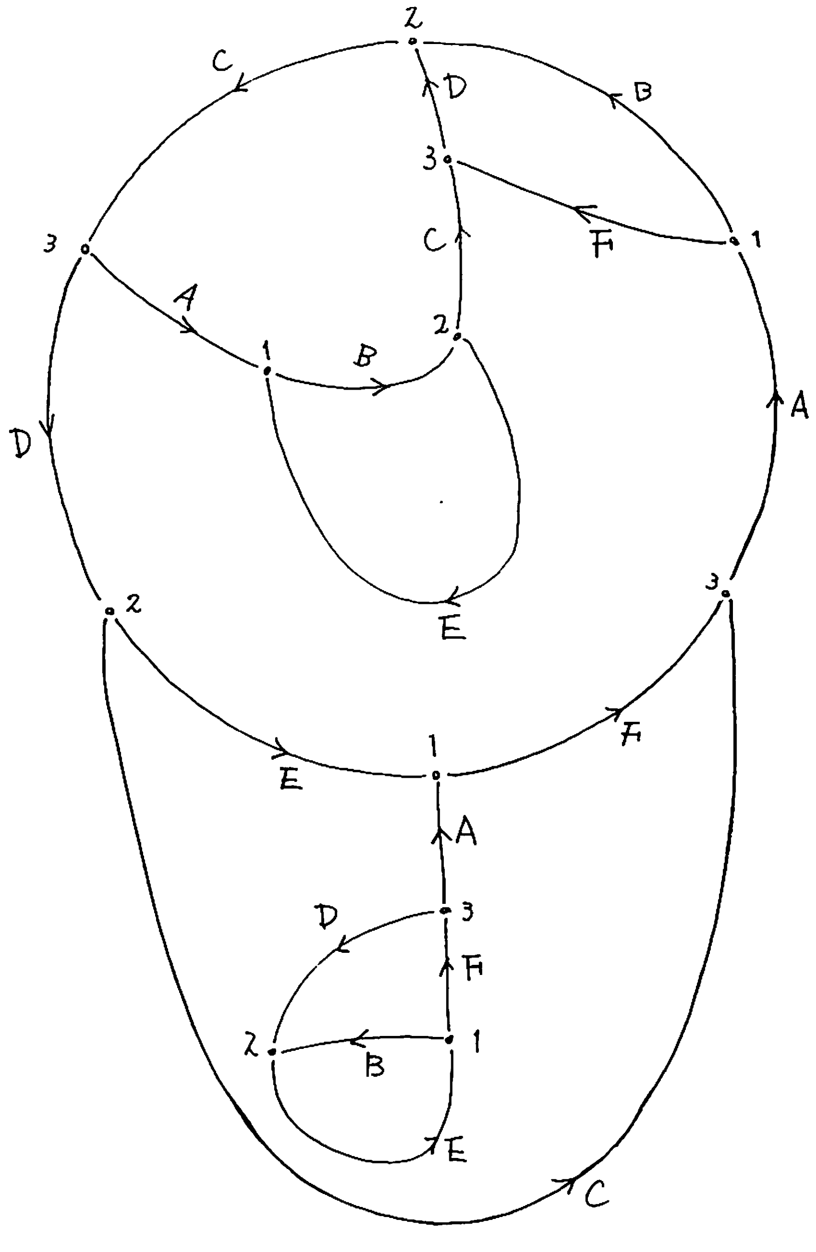
$\sigma_2 =$ 

(1-16)



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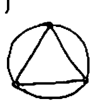
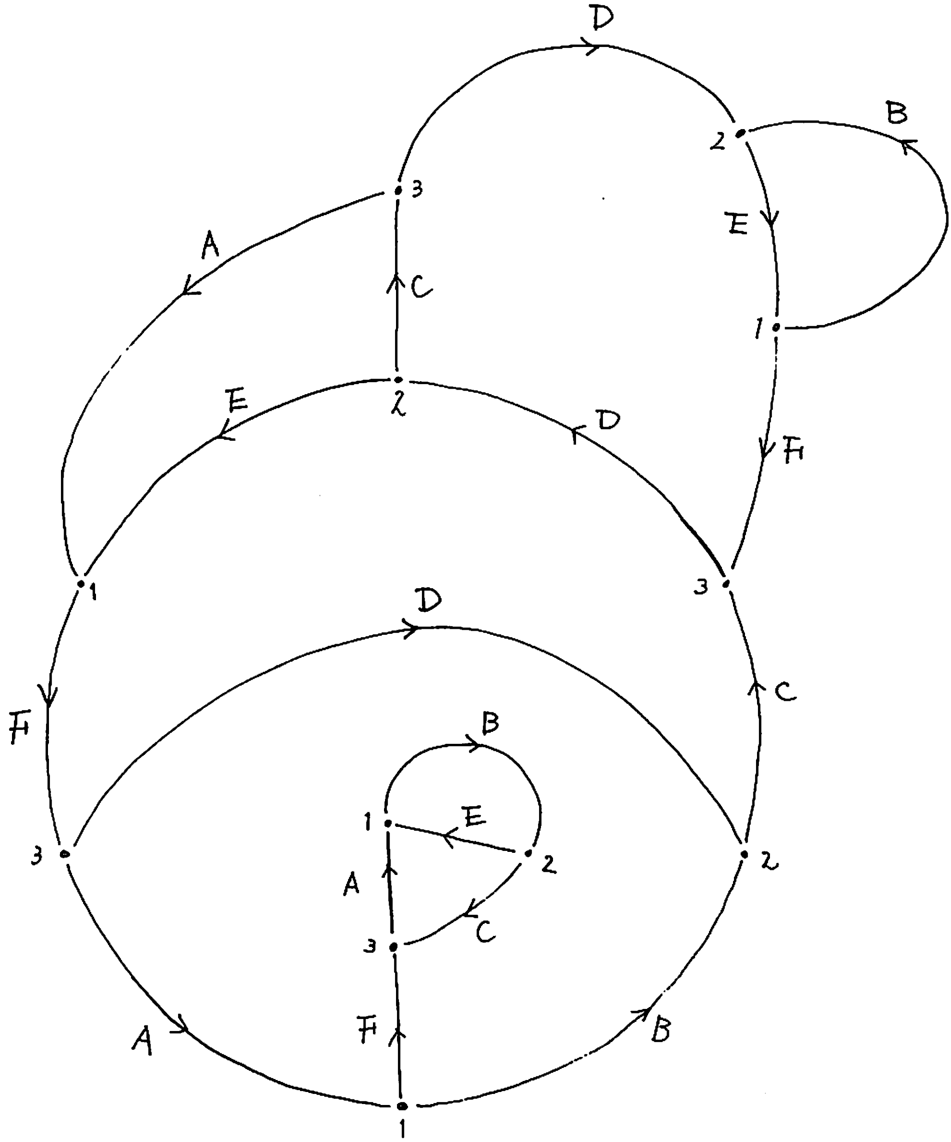
$\sigma_2 =$ 

(1-17)



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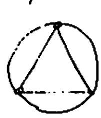
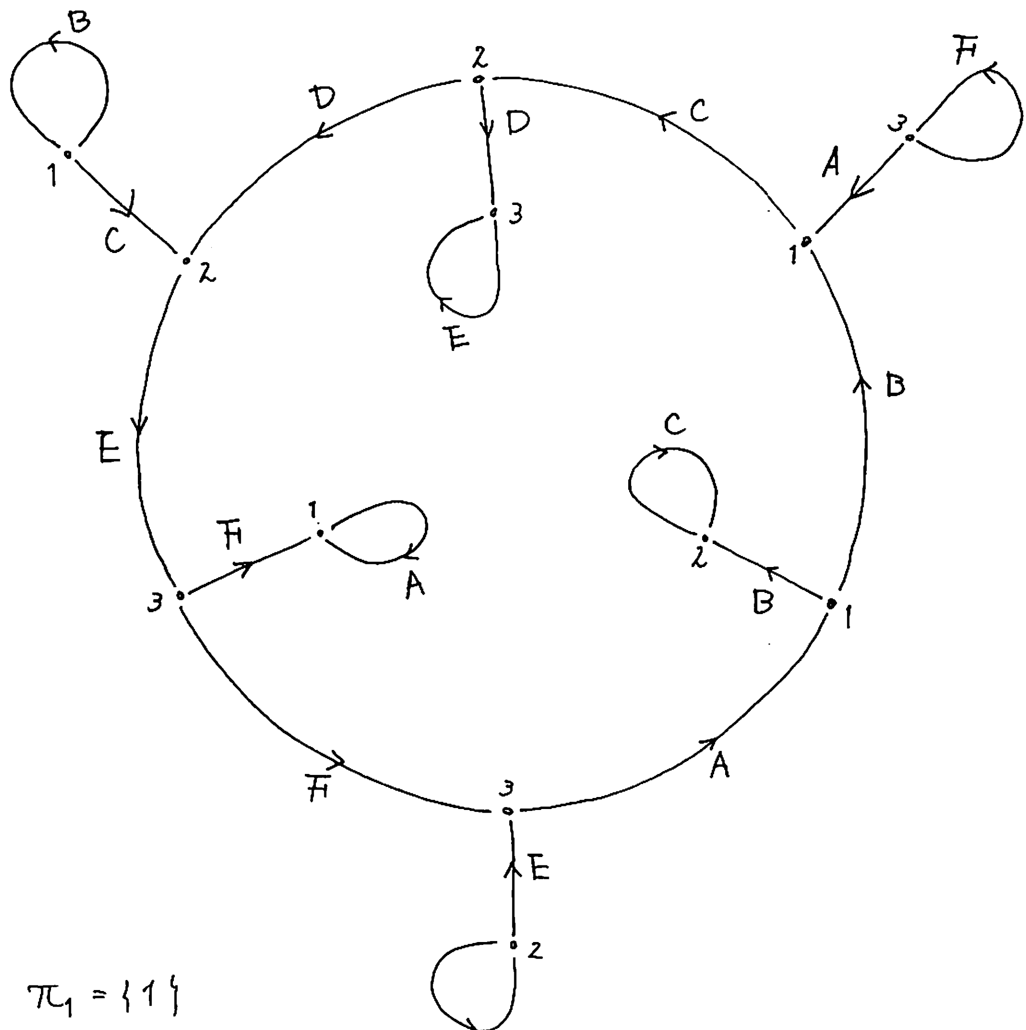
$\sigma_2 =$ 

(1-18)



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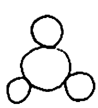
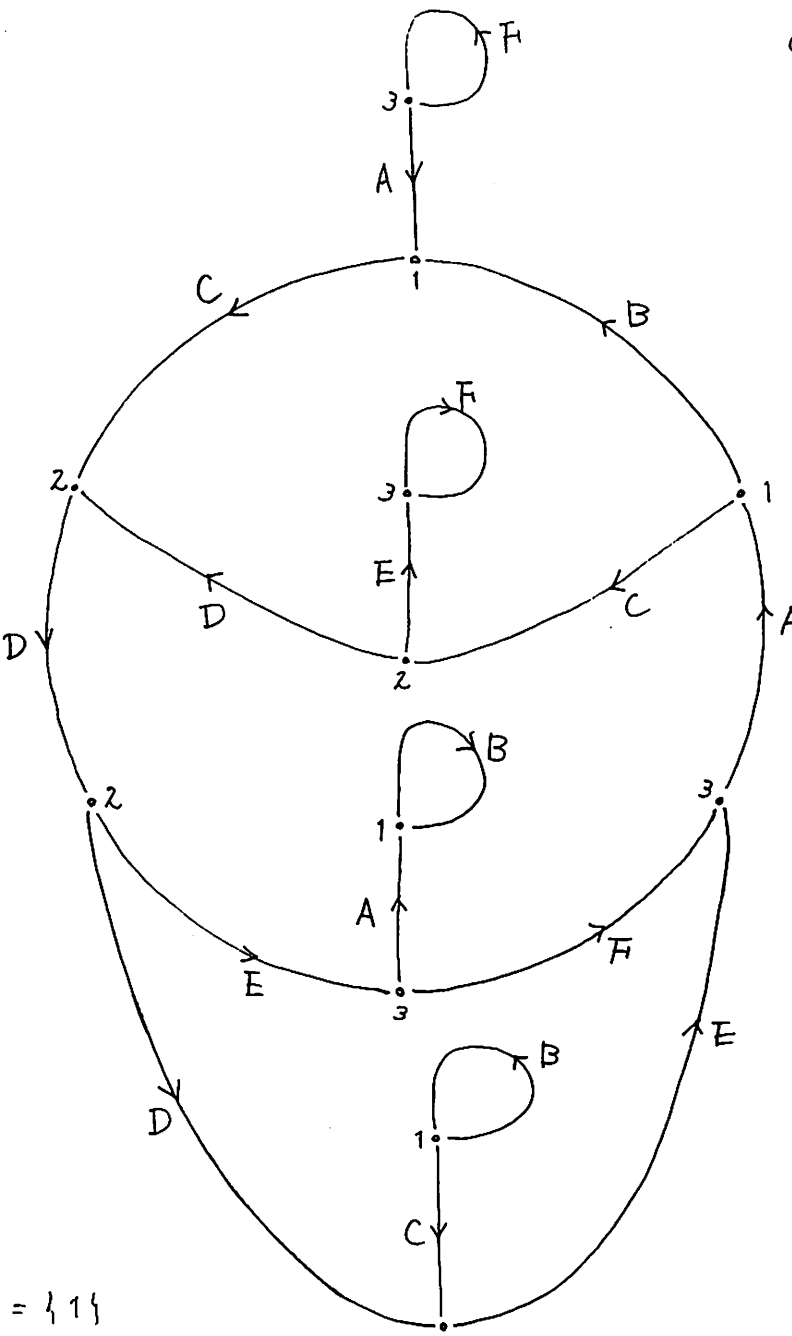
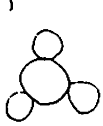
$\sigma_2 =$ 

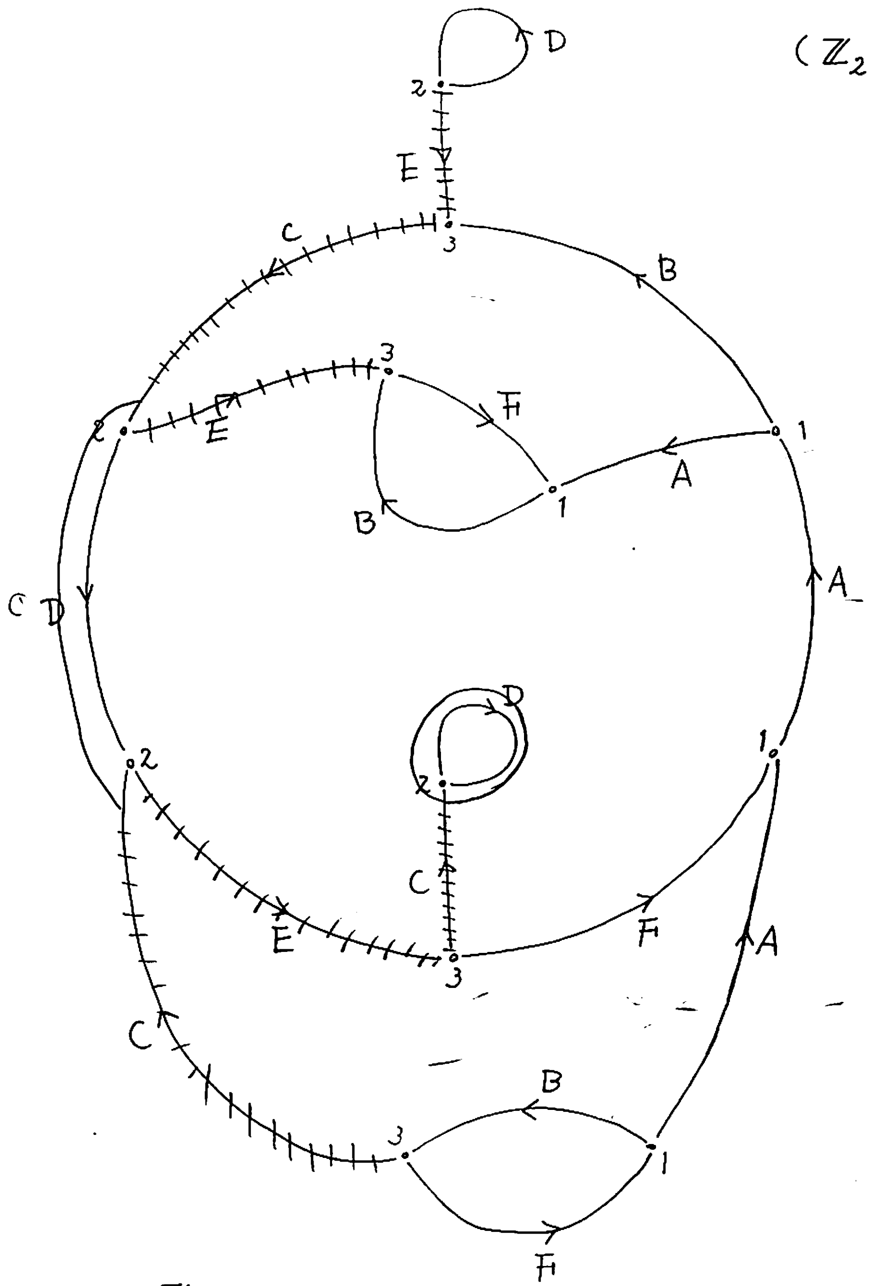


(1-19)

$\pi_1 = \{1\}$

$\sigma_2 =$ 

$(\mathbb{Z}_2 - 1)$



$6/2$

$6/3$

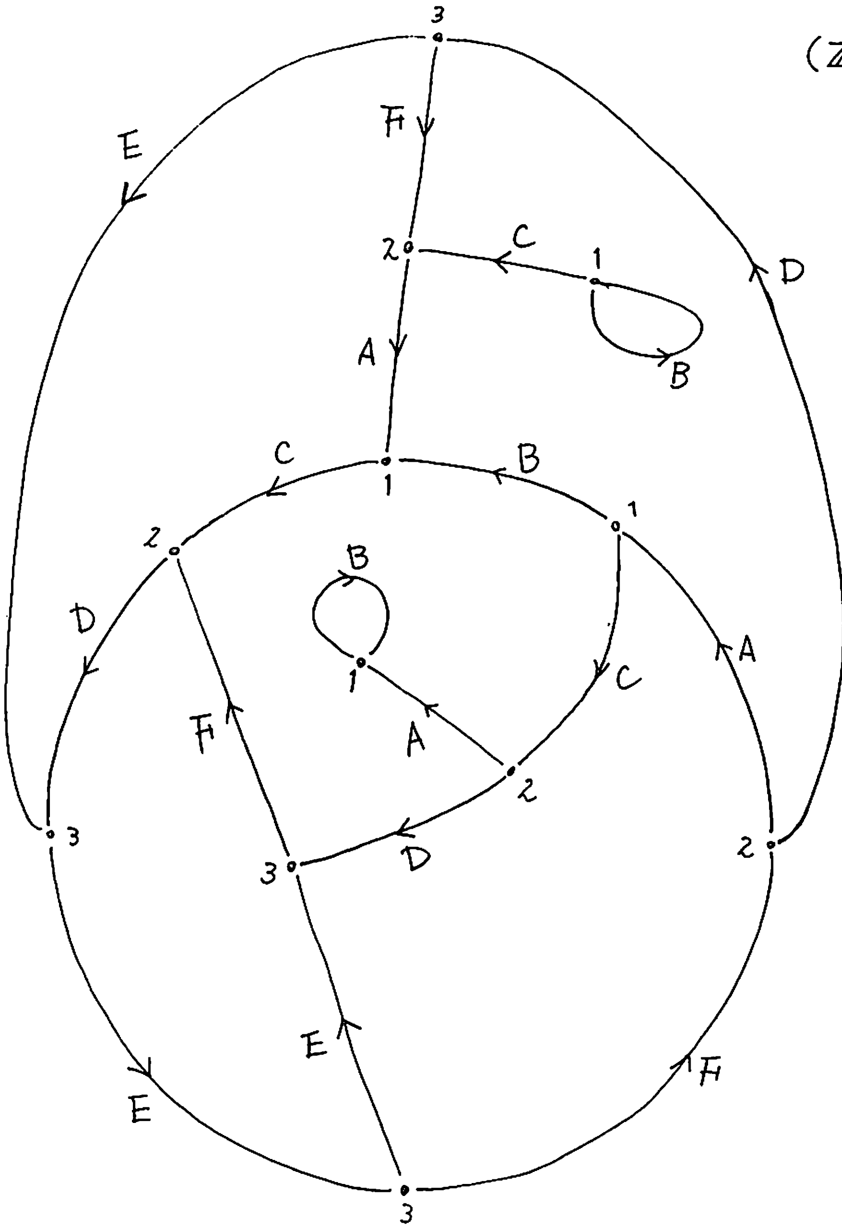
$2 - 3 + 2 = 1$

$\pi_1 = \mathbb{Z}_2$

$\sigma_2 =$ 

F.A

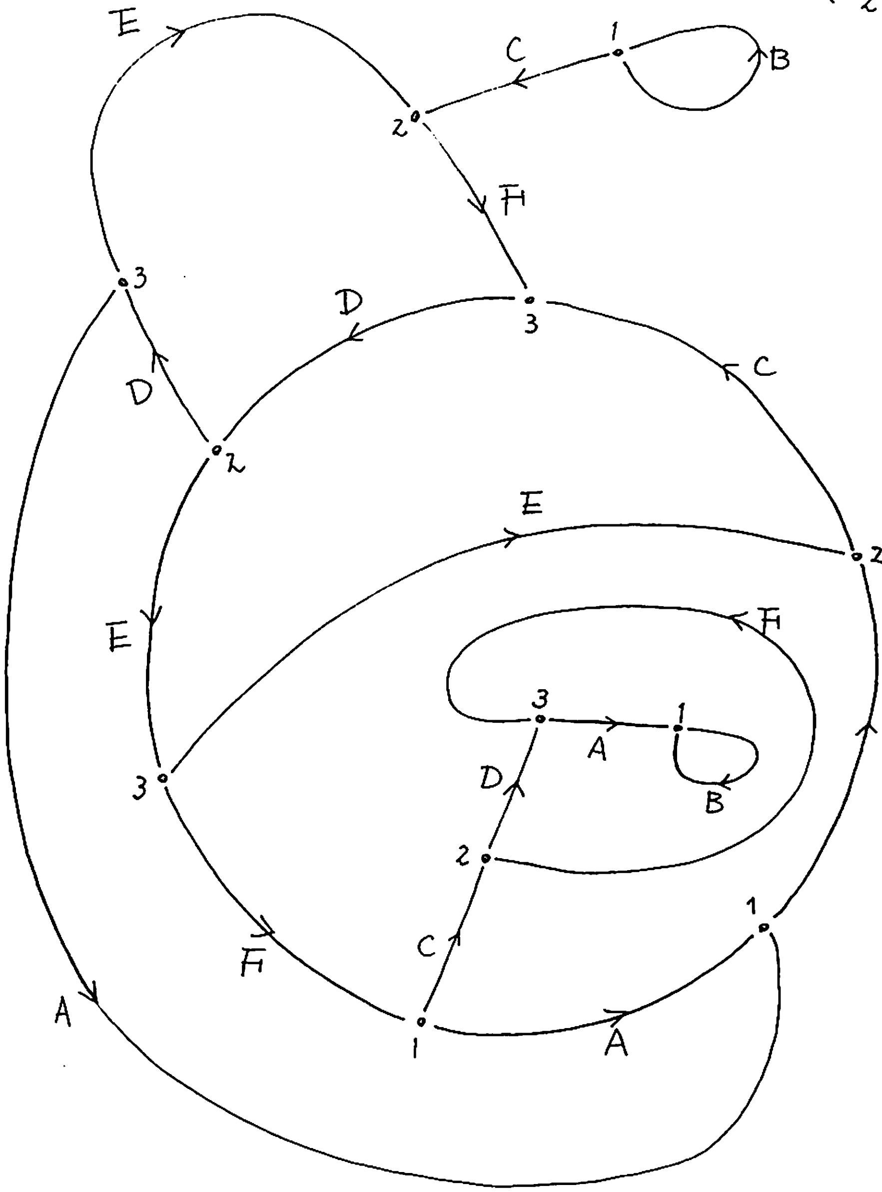
($\mathbb{Z}_2$-2)



$\pi_1 = \mathbb{Z}_2$

$\sigma_2 =$ 

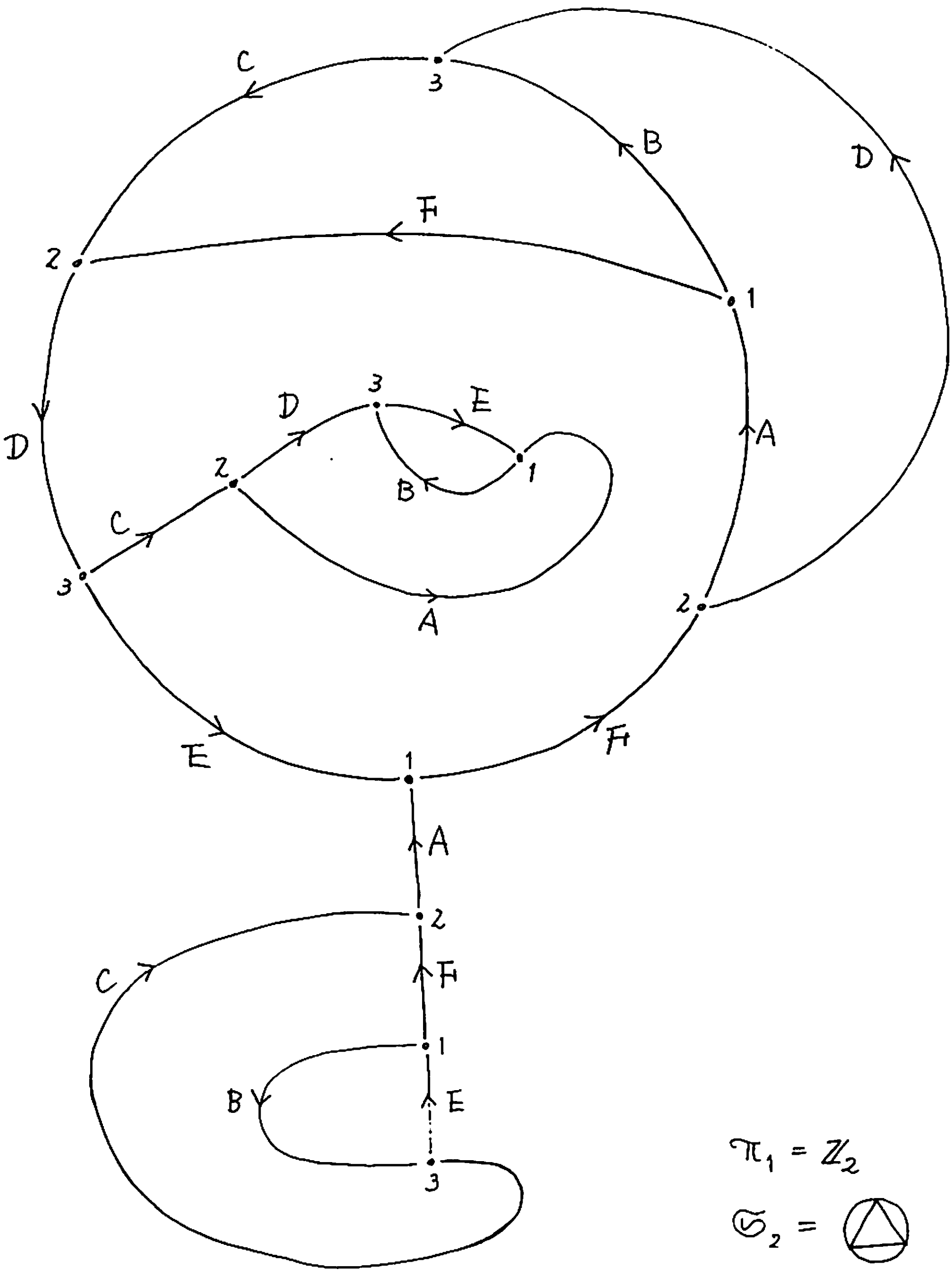
$(\mathbb{Z}_2-3)$



$\pi_1 = \mathbb{Z}_2$

$\mathfrak{S}_2 =$ 

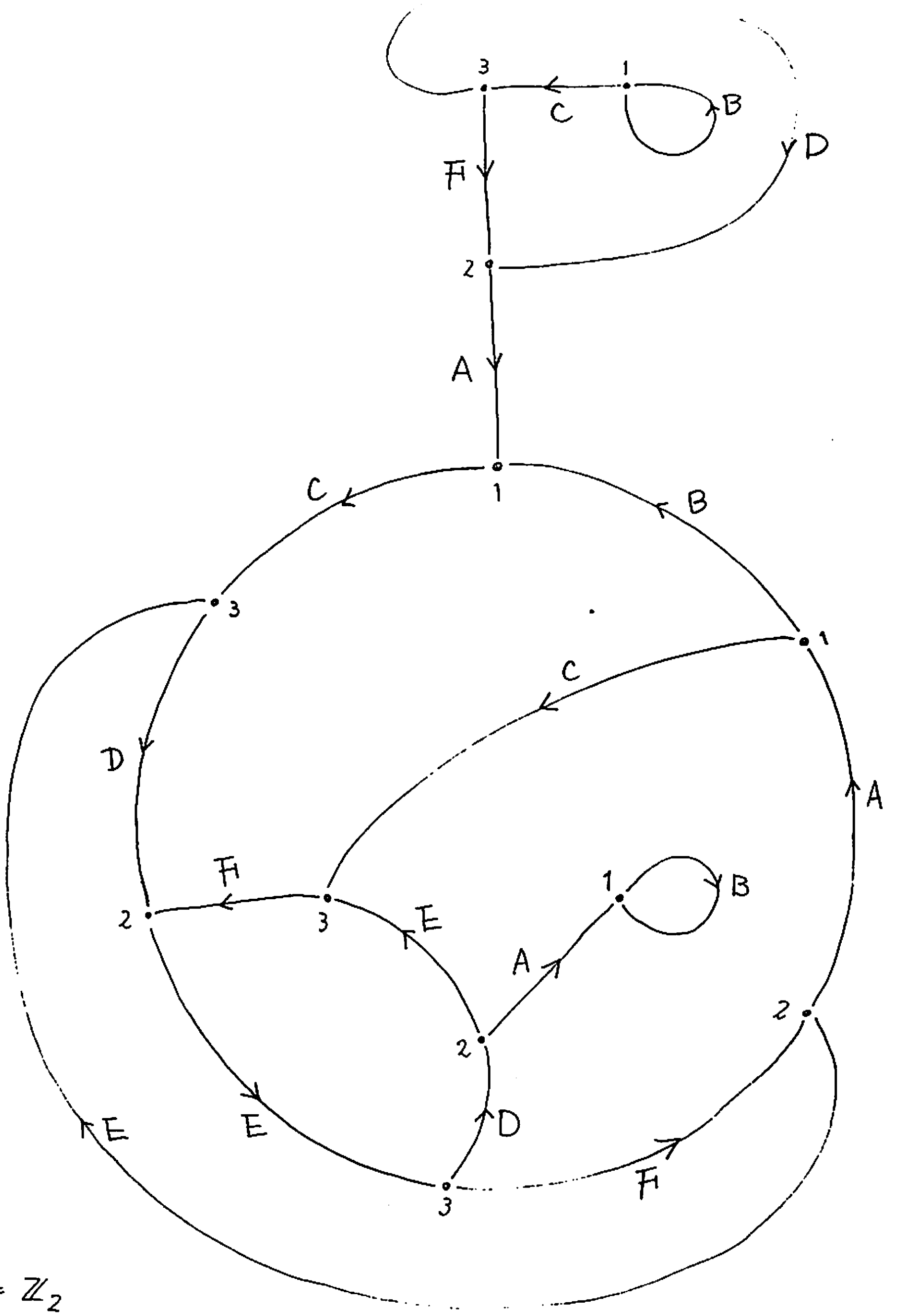
($\mathbb{Z}_2$-4)



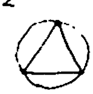
$\pi_1 = \mathbb{Z}_2$

$\mathfrak{S}_2 =$

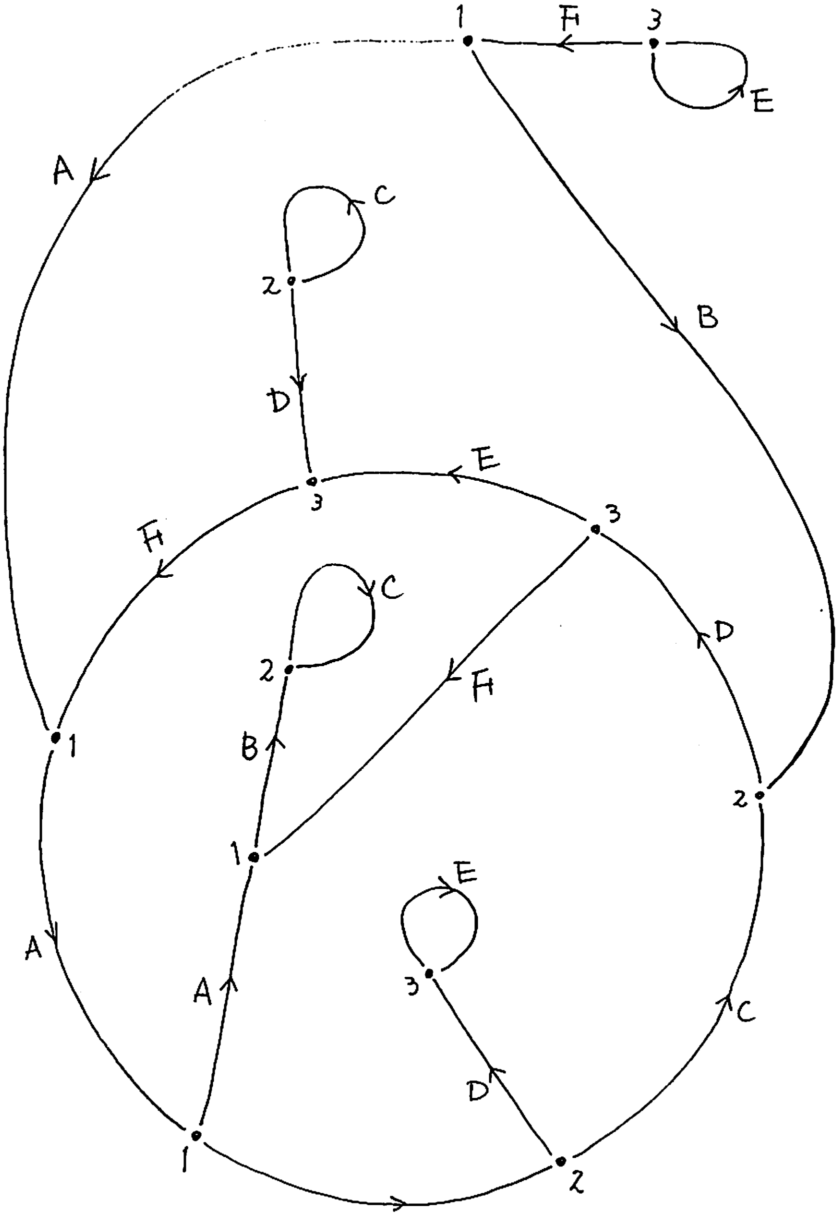
$(\Xi_2 - 5)$



$\pi_1 = \mathbb{Z}_2$

$\sigma_2 =$ 

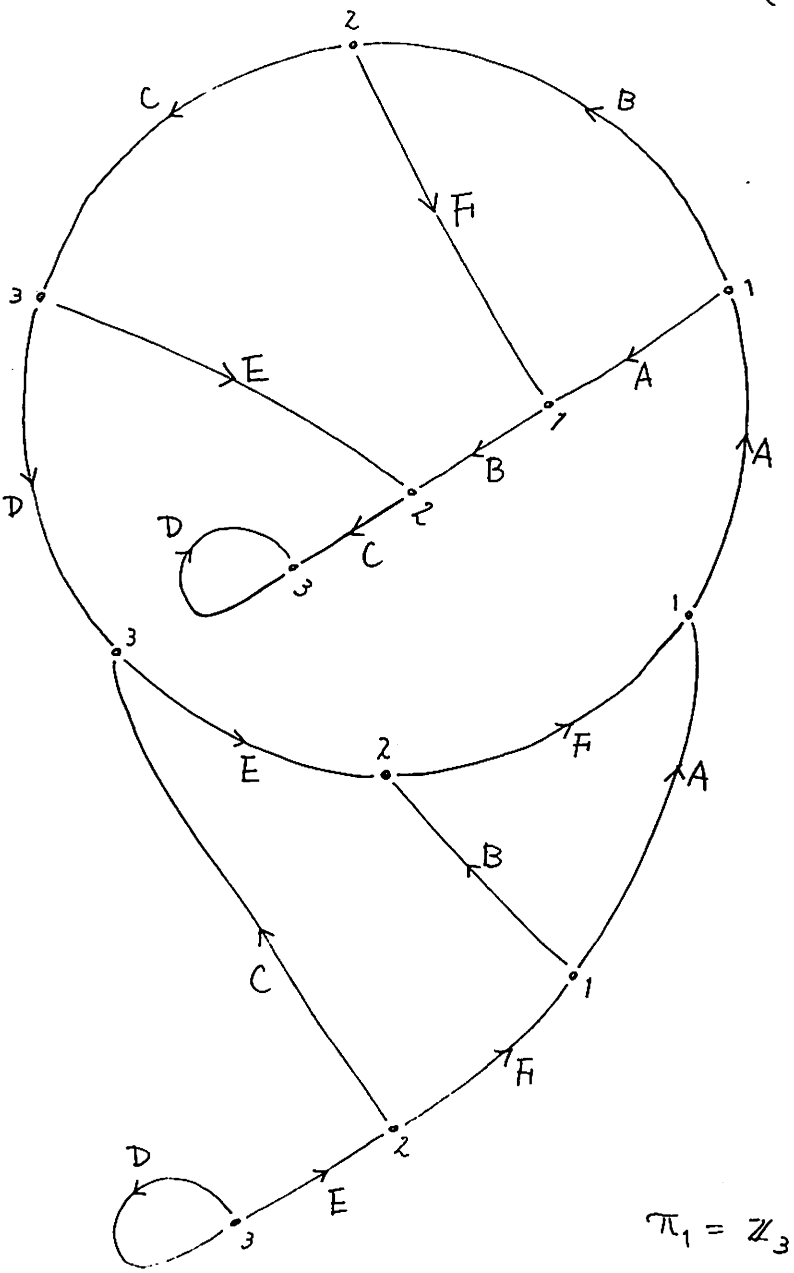
($\mathbb{Z}_2$-6)



$\pi_1 = \mathbb{Z}_2$

$\mathfrak{S}_2 =$ 

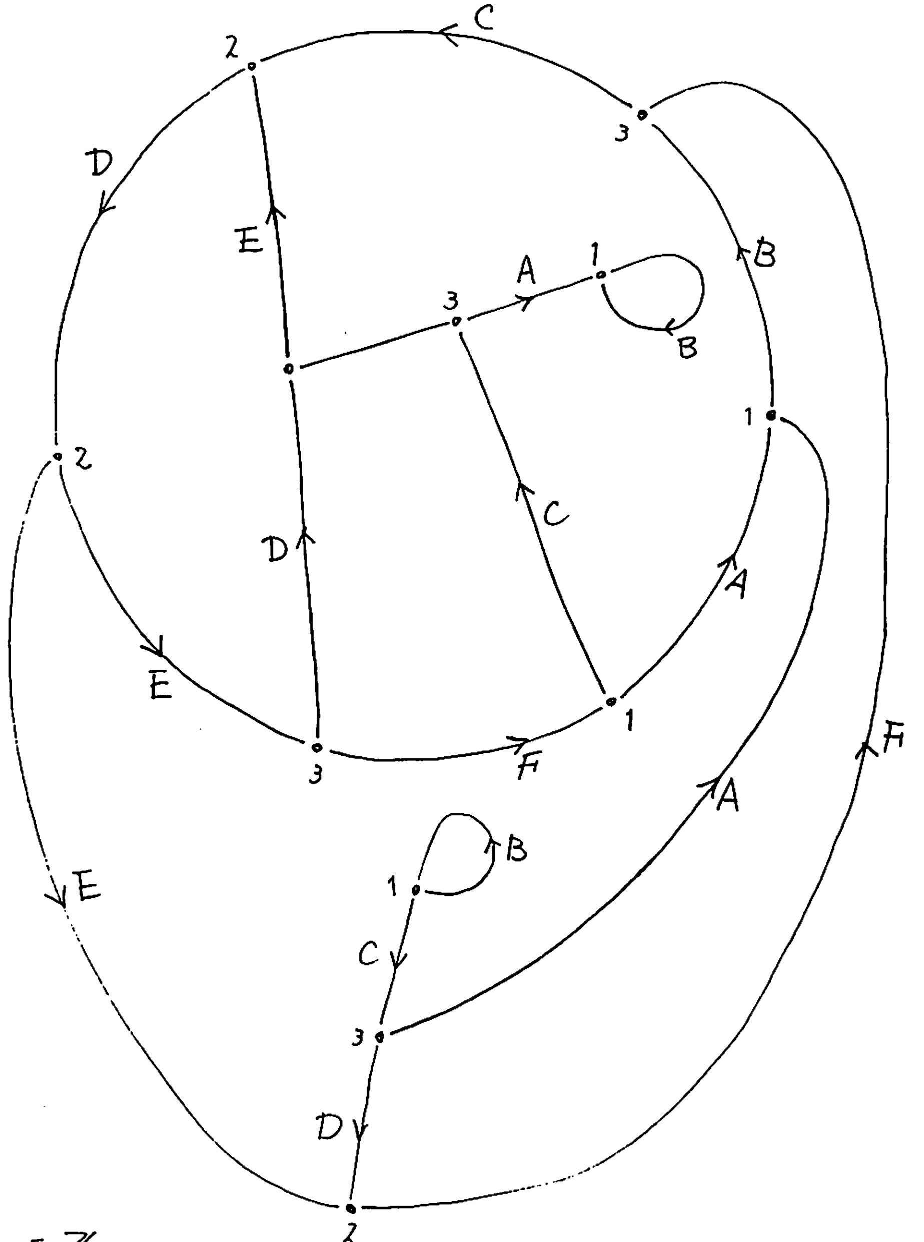
$(\mathbb{Z}_3 - 1)$



$\pi_1 = \mathbb{Z}_3$

$\mathfrak{S}_2 =$ ○○○○

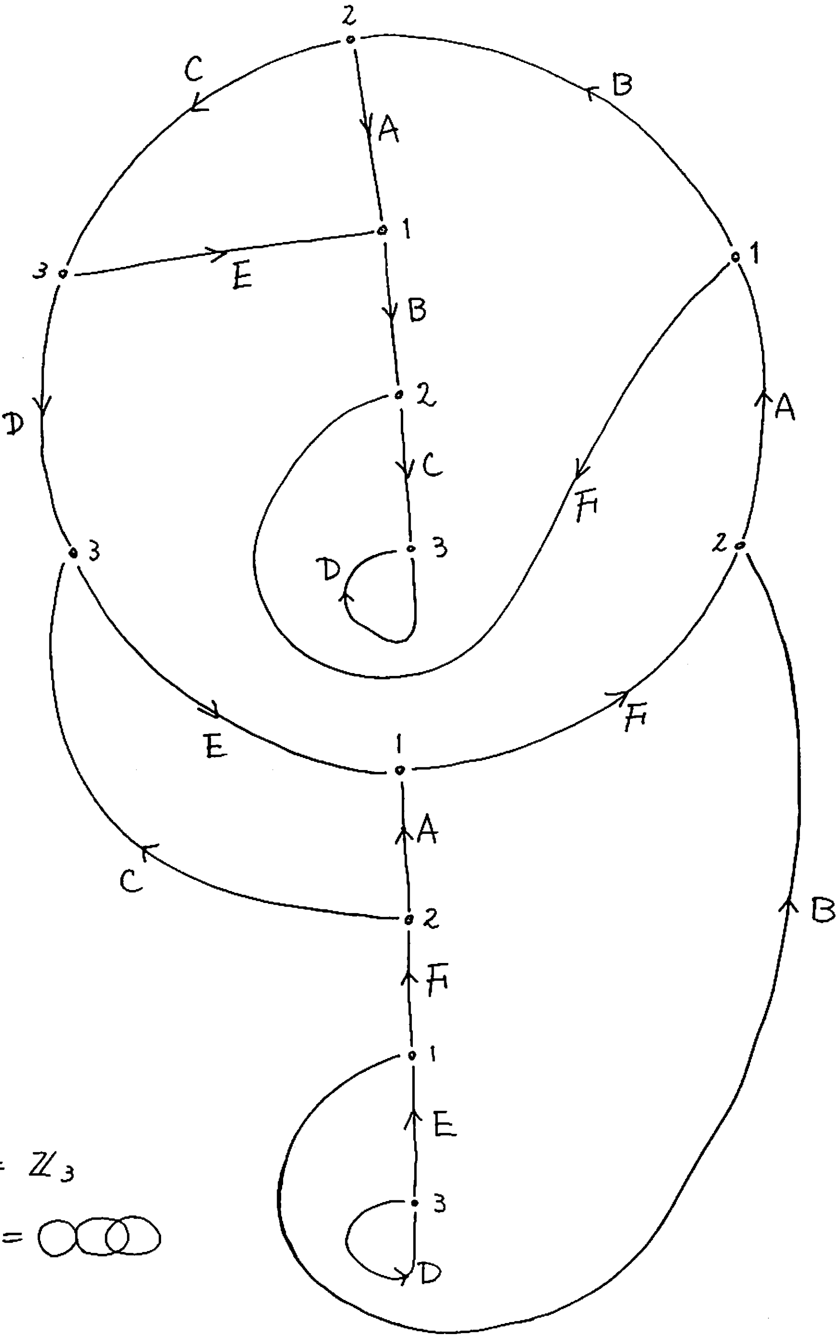
$(\mathbb{Z}_3 - 2)$



$\pi_1 = \mathbb{Z}_3$

$\sigma_2 =$ 

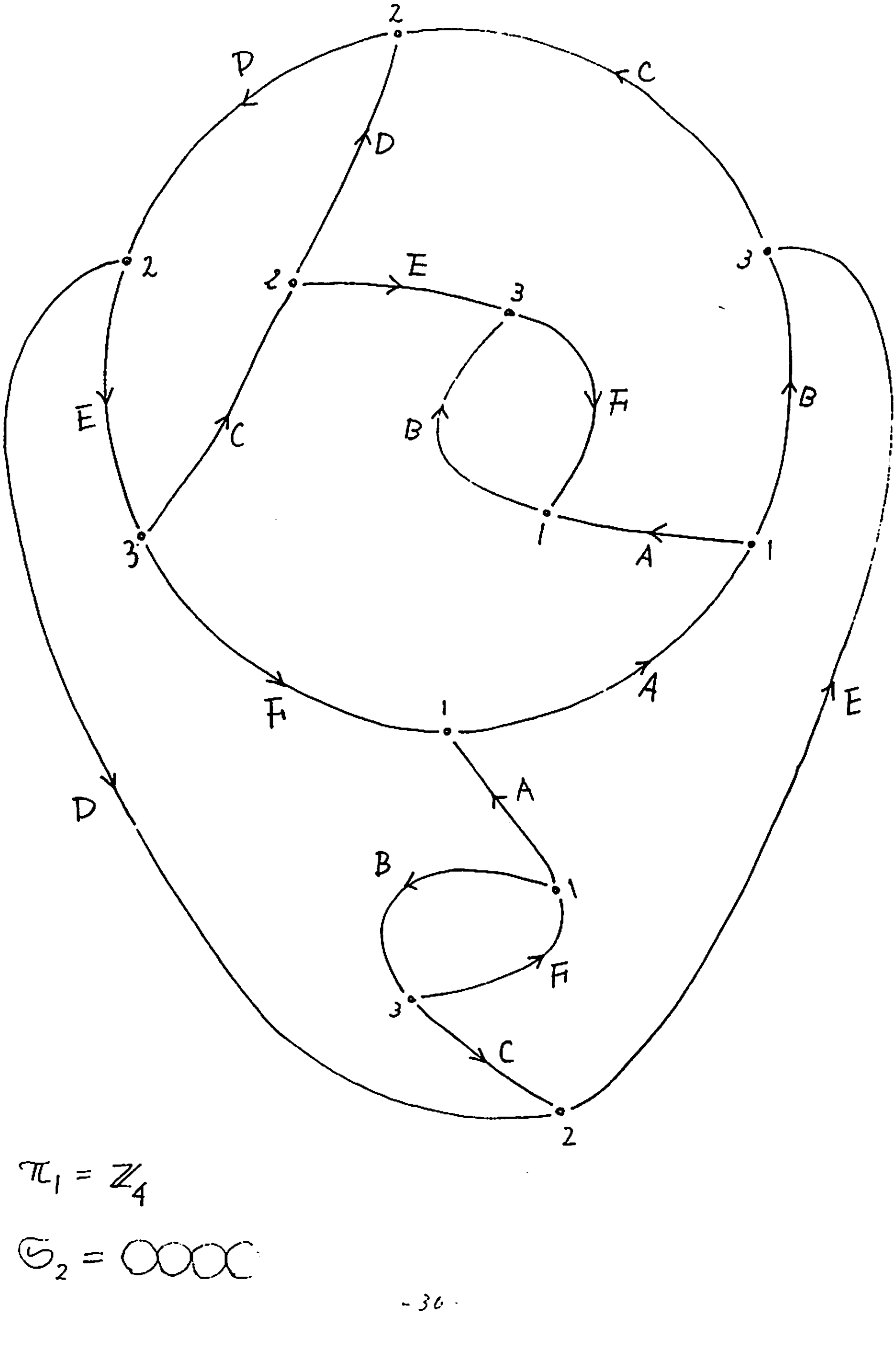
($\mathbb{Z}_3$ - 3)



$\pi_1 = \mathbb{Z}_3$

$\sigma_2 =$

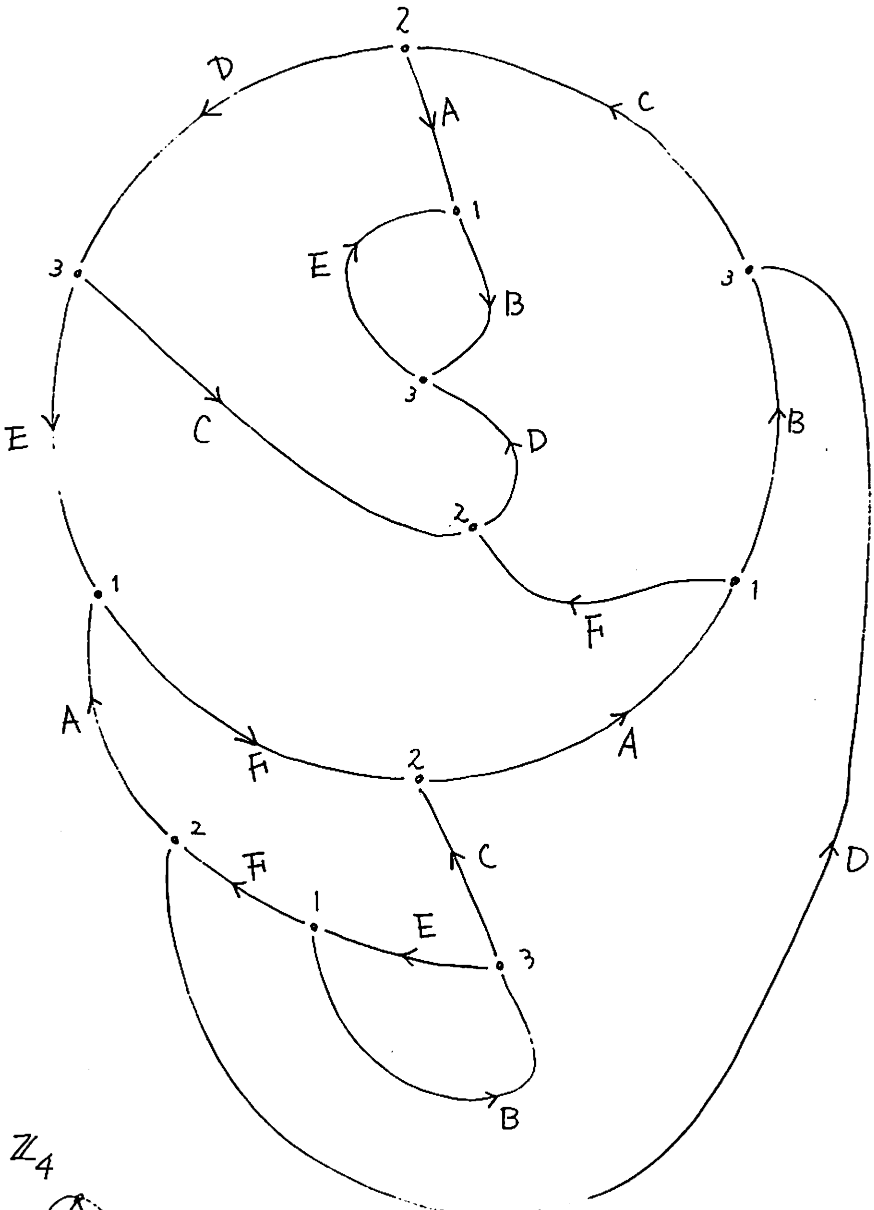
($\mathbb{Z}_4$ - 1)



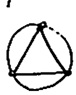
$\pi_1 = \mathbb{Z}_4$

$\mathfrak{S}_2 =$ OOOC

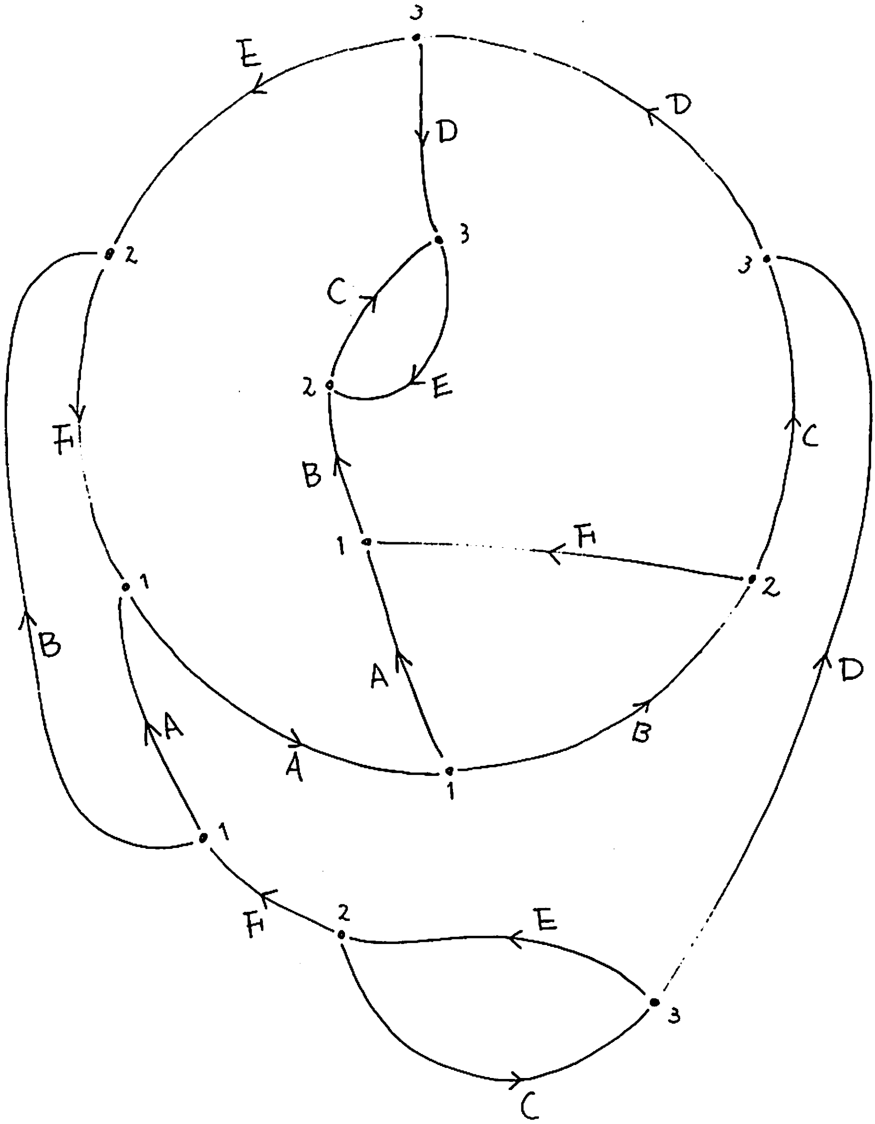
$(\mathbb{Z}_4 - 2)$



$\pi_1 = \mathbb{Z}_4$

$\sigma_2 =$ 

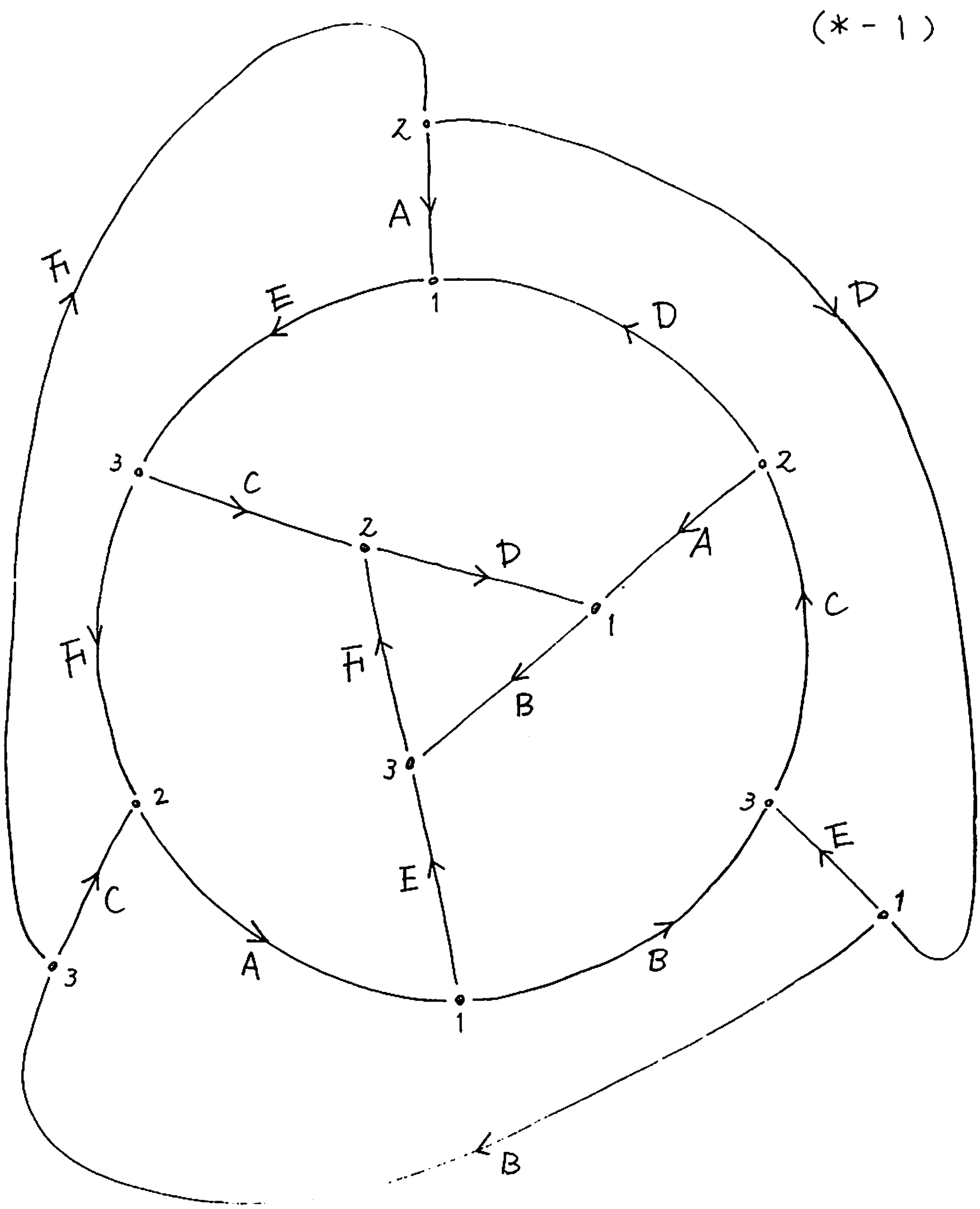
$(\mathbb{Z}_5 - 1)$



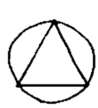
$\pi_1 = \mathbb{Z}_5$

$\mathfrak{S}_2$ = OOOOO

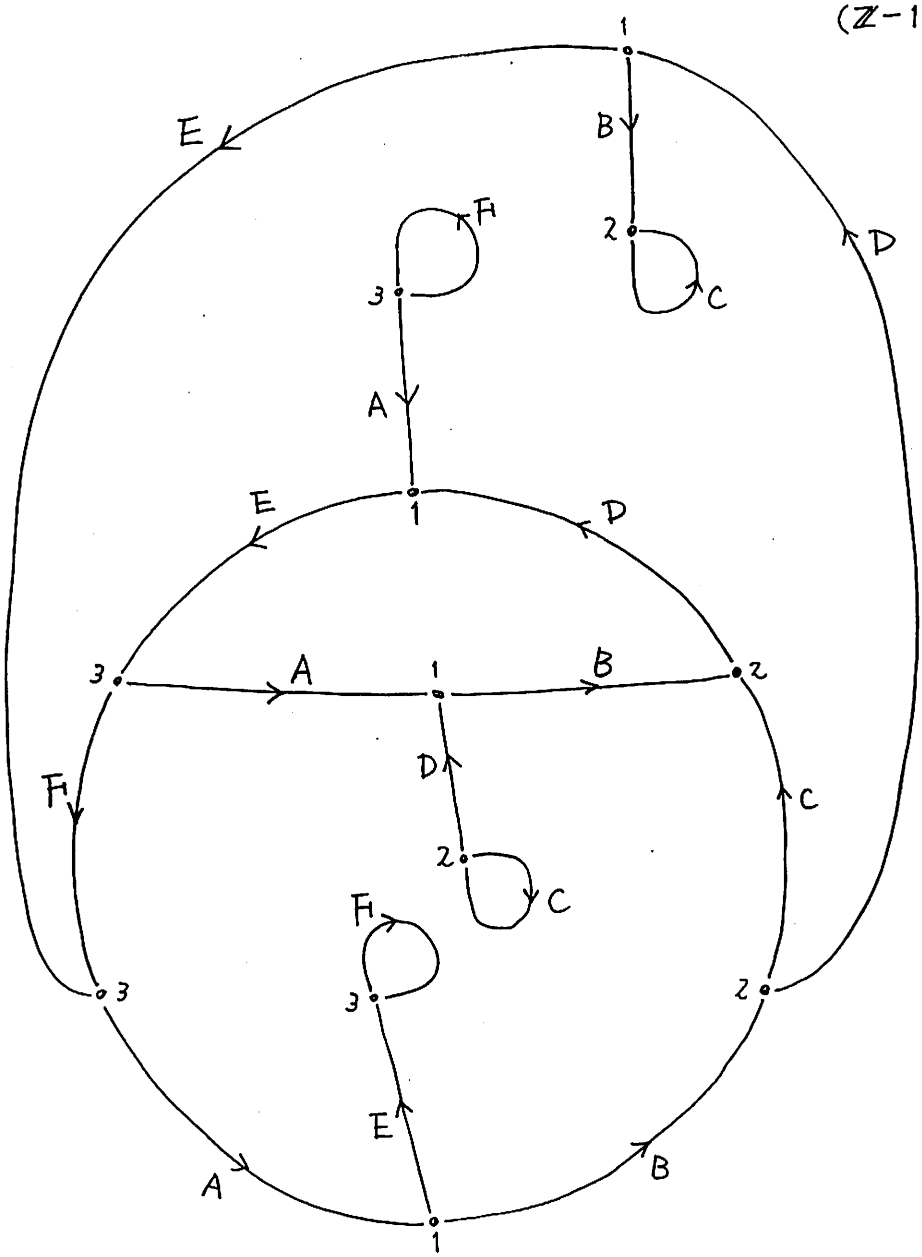
(* - 1)



$$\pi_1 = \langle g_1, g_2 ; g_1 g_2 g_1 g_2^{-1}, g_2 g_1 g_2 g_1^{-1} \rangle$$

$\mathfrak{S}_2 =$ 

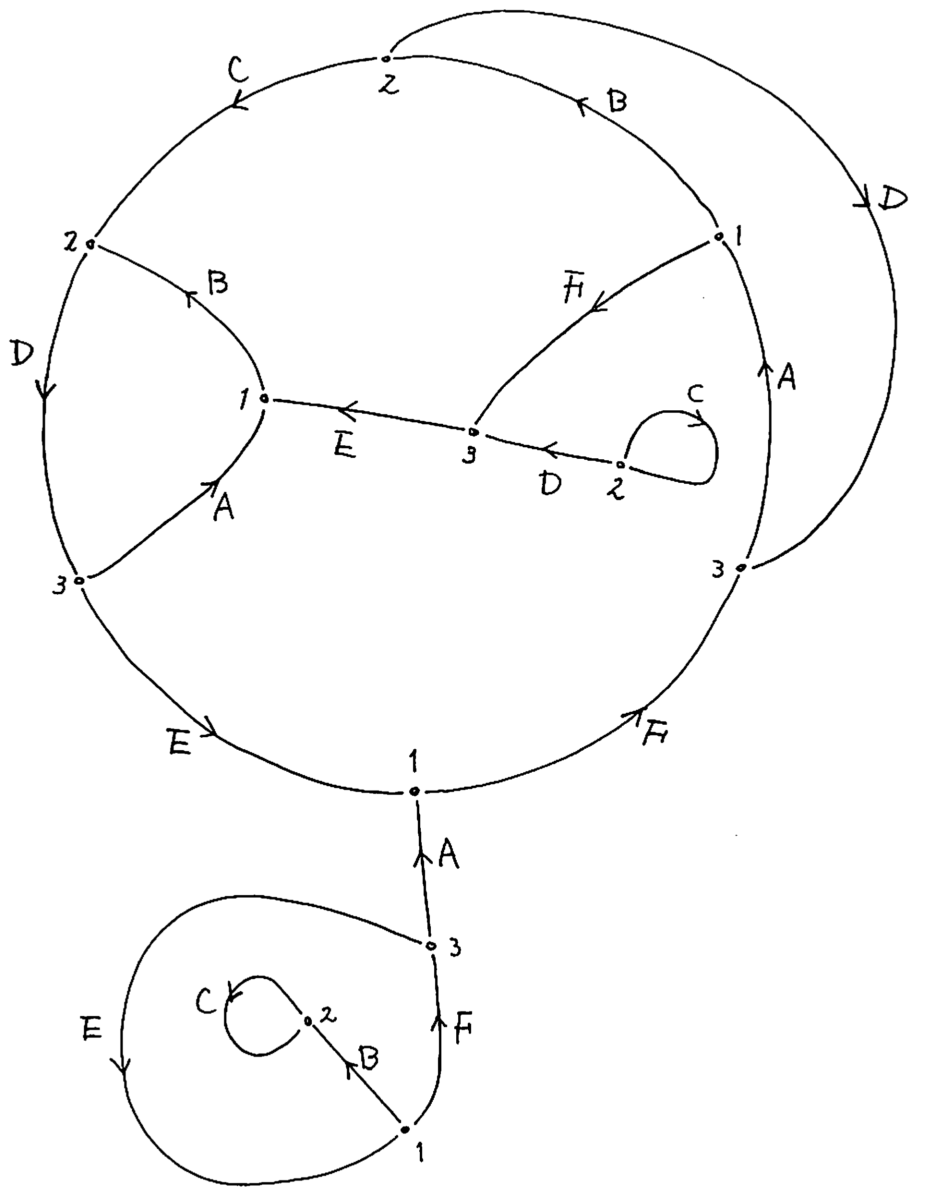
(Z-1)



$\pi_1 = \mathbb{Z}$

$\mathfrak{S}_2 =$ OOOO

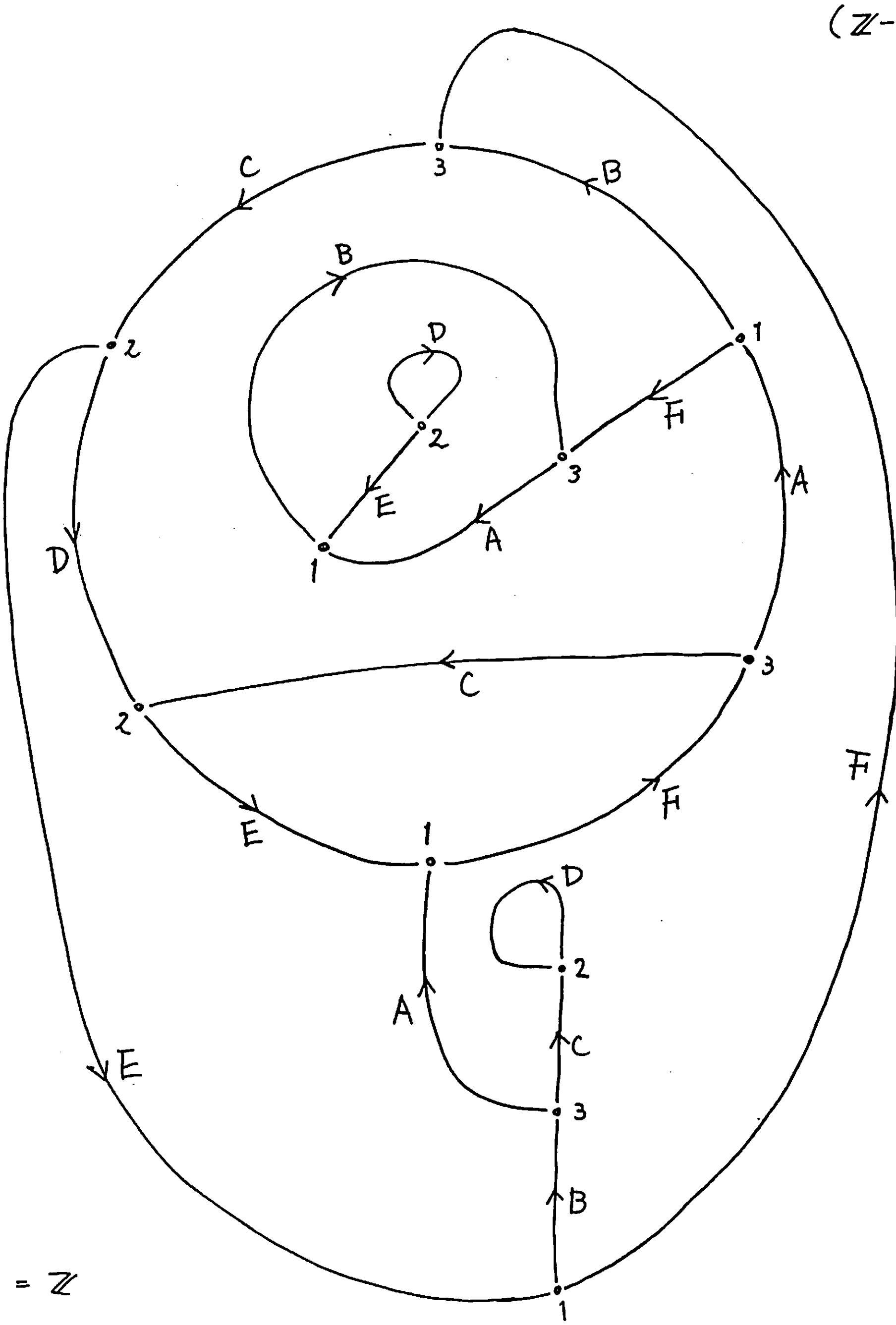
(ℤ-2)



$\pi_1 = \mathbb{Z}$

$\sigma_2 =$ 

(ℤ-3)



$\pi_1 = \mathbb{Z}$

$\sigma_2 =$