

The Subgroups of S_5 in Cycle Form

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```
*****BEGIN GroupSet - Size=156 *****
```

```
-----Begin Group, Size=1-----
```

```
I
```

```
-----End Group, Size=1-----
```

```
-----Begin Group, Size=2-----
```

```
I
```

```
(3,4)
```

```
-----End Group, Size=2-----
```

```
-----Begin Group, Size=2-----
```

```
I
```

```
(2,3)
```

```
-----End Group, Size=2-----
```

```
-----Begin Group, Size=2-----
```

```
I
```

```
(2,4)
```

```
-----End Group, Size=2-----
```

```
-----Begin Group, Size=2-----
```

```
I
```

```
(1,2)
```

```
-----End Group, Size=2-----
```

```
-----Begin Group, Size=2-----
```

```
I
```

```
(1,2)(3,4)
```

```
-----End Group, Size=2-----
```

```
-----Begin Group, Size=2-----
```

```
I
```

```
(1,3)
```

```
-----End Group, Size=2-----
```

```
-----Begin Group, Size=2-----
```

I
(1,3)(2,4)
-----End Group, Size=2-----

-----Begin Group, Size=2-----
I
(1,4)
-----End Group, Size=2-----

-----Begin Group, Size=2-----
I
(1,4)(2,3)
-----End Group, Size=2-----

-----Begin Group, Size=2-----
I
(0,1)
-----End Group, Size=2-----

-----Begin Group, Size=2-----
I
(0,1)(3,4)
-----End Group, Size=2-----

-----Begin Group, Size=2-----
I
(0,1)(2,3)
-----End Group, Size=2-----

-----Begin Group, Size=2-----
I
(0,1)(2,4)
-----End Group, Size=2-----

-----Begin Group, Size=2-----
I
(0,2)
-----End Group, Size=2-----

-----Begin Group, Size=2-----
I
(0,2)(3,4)
-----End Group, Size=2-----

-----Begin Group, Size=2-----
I
(0,2)(1,3)
-----End Group, Size=2-----

-----Begin Group, Size=2-----
I
(0,2)(1,4)
-----End Group, Size=2-----

-----Begin Group, Size=2-----
I
(0,3)
-----End Group, Size=2-----

-----Begin Group, Size=2-----
I
(0,3)(2,4)
-----End Group, Size=2-----

-----Begin Group, Size=2-----
I
(0,3)(1,2)
-----End Group, Size=2-----

-----Begin Group, Size=2-----
I
(0,3)(1,4)
-----End Group, Size=2-----

-----Begin Group, Size=2-----
I
(0,4)
-----End Group, Size=2-----

-----Begin Group, Size=2-----
I
(0,4)(2,3)
-----End Group, Size=2-----

-----Begin Group, Size=2-----
I
(0,4)(1,2)
-----End Group, Size=2-----

-----Begin Group, Size=2-----
I
(0,4)(1,3)
-----End Group, Size=2-----

-----Begin Group, Size=3-----

I
(2,3,4)
(2,4,3)
-----End Group, Size=3-----

-----Begin Group, Size=3-----
I
(1,2,3)
(1,3,2)
-----End Group, Size=3-----

-----Begin Group, Size=3-----
I
(1,2,4)
(1,4,2)
-----End Group, Size=3-----

-----Begin Group, Size=3-----
I
(1,3,4)
(1,4,3)
-----End Group, Size=3-----

-----Begin Group, Size=3-----
I
(0,1,2)
(0,2,1)
-----End Group, Size=3-----

-----Begin Group, Size=3-----
I
(0,1,3)
(0,3,1)
-----End Group, Size=3-----

-----Begin Group, Size=3-----
I
(0,1,4)
(0,4,1)
-----End Group, Size=3-----

-----Begin Group, Size=3-----
I
(0,2,3)
(0,3,2)
-----End Group, Size=3-----

-----Begin Group, Size=3-----
I

(0,2,4)
(0,4,2)
-----End Group, Size=3-----

-----Begin Group, Size=3-----
I
(0,3,4)
(0,4,3)
-----End Group, Size=3-----

-----Begin Group, Size=4-----
I
(3,4)
(1,2)
(1,2)(3,4)
-----End Group, Size=4-----

-----Begin Group, Size=4-----
I
(3,4)
(0,1)
(0,1)(3,4)
-----End Group, Size=4-----

-----Begin Group, Size=4-----
I
(3,4)
(0,2)
(0,2)(3,4)
-----End Group, Size=4-----

-----Begin Group, Size=4-----
I
(2,3)
(1,4)
(1,4)(2,3)
-----End Group, Size=4-----

-----Begin Group, Size=4-----
I
(2,3)
(0,1)
(0,1)(2,3)
-----End Group, Size=4-----

-----Begin Group, Size=4-----
I
(2,3)
(0,4)
(0,4)(2,3)

-----End Group, Size=4-----

-----Begin Group, Size=4-----

I

(2,4)

(1,3)

(1,3)(2,4)

-----End Group, Size=4-----

-----Begin Group, Size=4-----

I

(2,4)

(0,1)

(0,1)(2,4)

-----End Group, Size=4-----

-----Begin Group, Size=4-----

I

(2,4)

(0,3)

(0,3)(2,4)

-----End Group, Size=4-----

-----Begin Group, Size=4-----

I

(1,2)

(0,3)

(0,3)(1,2)

-----End Group, Size=4-----

-----Begin Group, Size=4-----

I

(1,2)

(0,4)

(0,4)(1,2)

-----End Group, Size=4-----

-----Begin Group, Size=4-----

I

(1,2)(3,4)

(1,3)(2,4)

(1,4)(2,3)

-----End Group, Size=4-----

-----Begin Group, Size=4-----

I

(1,2)(3,4)

(1,3,2,4)

(1,4,2,3)

-----End Group, Size=4-----

```
-----Begin Group, Size=4-----  
I  
(1,2,3,4)  
(1,3)(2,4)  
(1,4,3,2)  
-----End Group, Size=4-----
```

```
-----Begin Group, Size=4-----  
I  
(1,2,4,3)  
(1,3,4,2)  
(1,4)(2,3)  
-----End Group, Size=4-----
```

```
-----Begin Group, Size=4-----  
I  
(1,3)  
(0,2)  
(0,2)(1,3)  
-----End Group, Size=4-----
```

```
-----Begin Group, Size=4-----  
I  
(1,3)  
(0,4)  
(0,4)(1,3)  
-----End Group, Size=4-----
```

```
-----Begin Group, Size=4-----  
I  
(1,4)  
(0,2)  
(0,2)(1,4)  
-----End Group, Size=4-----
```

```
-----Begin Group, Size=4-----  
I  
(1,4)  
(0,3)  
(0,3)(1,4)  
-----End Group, Size=4-----
```

```
-----Begin Group, Size=4-----  
I  
(0,1)(3,4)  
(0,3)(1,4)  
(0,4)(1,3)  
-----End Group, Size=4-----
```

```
-----Begin Group, Size=4-----  
I  
(0,1)(3,4)  
(0,3,1,4)  
(0,4,1,3)  
-----End Group, Size=4-----
```

```
-----Begin Group, Size=4-----  
I  
(0,1)(2,3)  
(0,2)(1,3)  
(0,3)(1,2)  
-----End Group, Size=4-----
```

```
-----Begin Group, Size=4-----  
I  
(0,1)(2,3)  
(0,2,1,3)  
(0,3,1,2)  
-----End Group, Size=4-----
```

```
-----Begin Group, Size=4-----  
I  
(0,1)(2,4)  
(0,2)(1,4)  
(0,4)(1,2)  
-----End Group, Size=4-----
```

```
-----Begin Group, Size=4-----  
I  
(0,1)(2,4)  
(0,2,1,4)  
(0,4,1,2)  
-----End Group, Size=4-----
```

```
-----Begin Group, Size=4-----  
I  
(0,1,2,3)  
(0,2)(1,3)  
(0,3,2,1)  
-----End Group, Size=4-----
```

```
-----Begin Group, Size=4-----  
I  
(0,1,2,4)  
(0,2)(1,4)  
(0,4,2,1)  
-----End Group, Size=4-----
```



```
-----Begin Group, Size=4-----  
I  
(0,1,3,2)  
(0,2,3,1)  
(0,3)(1,2)  
-----End Group, Size=4-----
```

```
-----Begin Group, Size=4-----  
I  
(0,1,3,4)  
(0,3)(1,4)  
(0,4,3,1)  
-----End Group, Size=4-----
```

```
-----Begin Group, Size=4-----  
I  
(0,1,4,2)  
(0,2,4,1)  
(0,4)(1,2)  
-----End Group, Size=4-----
```

```
-----Begin Group, Size=4-----  
I  
(0,1,4,3)  
(0,3,4,1)  
(0,4)(1,3)  
-----End Group, Size=4-----
```

```
-----Begin Group, Size=4-----  
I  
(0,2)(3,4)  
(0,3)(2,4)  
(0,4)(2,3)  
-----End Group, Size=4-----
```

```
-----Begin Group, Size=4-----  
I  
(0,2)(3,4)  
(0,3,2,4)  
(0,4,2,3)  
-----End Group, Size=4-----
```

```
-----Begin Group, Size=4-----  
I  
(0,2,3,4)  
(0,3)(2,4)  
(0,4,3,2)  
-----End Group, Size=4-----
```

```
-----Begin Group, Size=4-----
```

I
(0,2,4,3)
(0,3,4,2)
(0,4)(2,3)
-----End Group, Size=4-----

-----Begin Group, Size=5-----
I
(0,1,2,3,4)
(0,2,4,1,3)
(0,3,1,4,2)
(0,4,3,2,1)
-----End Group, Size=5-----

-----Begin Group, Size=5-----
I
(0,1,2,4,3)
(0,2,3,1,4)
(0,3,4,2,1)
(0,4,1,3,2)
-----End Group, Size=5-----

-----Begin Group, Size=5-----
I
(0,1,3,4,2)
(0,2,4,3,1)
(0,3,2,1,4)
(0,4,1,2,3)
-----End Group, Size=5-----

-----Begin Group, Size=5-----
I
(0,1,3,2,4)
(0,2,1,4,3)
(0,3,4,1,2)
(0,4,2,3,1)
-----End Group, Size=5-----

-----Begin Group, Size=5-----
I
(0,1,4,3,2)
(0,2,3,4,1)
(0,3,1,2,4)
(0,4,2,1,3)
-----End Group, Size=5-----

-----Begin Group, Size=5-----
I
(0,1,4,2,3)
(0,2,1,3,4)
(0,3,2,4,1)

(0,4,3,1,2)
-----End Group, Size=5-----

-----Begin Group, Size=6-----
I
(3,4)
(2,3)
(2,3,4)
(2,4,3)
(2,4)
-----End Group, Size=6-----

-----Begin Group, Size=6-----
I
(3,4)
(1,3)
(1,3,4)
(1,4,3)
(1,4)
-----End Group, Size=6-----

-----Begin Group, Size=6-----
I
(3,4)
(0,1,2)
(0,1,2)(3,4)
(0,2,1)
(0,2,1)(3,4)
-----End Group, Size=6-----

-----Begin Group, Size=6-----
I
(3,4)
(0,3)
(0,3,4)
(0,4,3)
(0,4)
-----End Group, Size=6-----

-----Begin Group, Size=6-----
I
(2,3)
(1,2)
(1,2,3)
(1,3,2)
(1,3)
-----End Group, Size=6-----

-----Begin Group, Size=6-----
I
(2,3)

(0,1,4)
(0,1,4)(2,3)
(0,4,1)
(0,4,1)(2,3)
-----End Group, Size=6-----

-----Begin Group, Size=6-----
I
(2,3)
(0,2)
(0,2,3)
(0,3,2)
(0,3)
-----End Group, Size=6-----

-----Begin Group, Size=6-----
I
(2,3,4)
(2,4,3)
(0,1)
(0,1)(2,3,4)
(0,1)(2,4,3)
-----End Group, Size=6-----

-----Begin Group, Size=6-----
I
(2,3,4)
(2,4,3)
(0,1)(3,4)
(0,1)(2,3)
(0,1)(2,4)
-----End Group, Size=6-----

-----Begin Group, Size=6-----
I
(2,4)
(1,2)
(1,2,4)
(1,4,2)
(1,4)
-----End Group, Size=6-----

-----Begin Group, Size=6-----
I
(2,4)
(0,1,3)
(0,1,3)(2,4)
(0,3,1)
(0,3,1)(2,4)
-----End Group, Size=6-----

```
-----Begin Group, Size=6-----  
I  
(2,4)  
(0,2)  
(0,2,4)  
(0,4,2)  
(0,4)  
-----End Group, Size=6-----
```

```
-----Begin Group, Size=6-----  
I  
(1,2)  
(0,1)  
(0,1,2)  
(0,2,1)  
(0,2)  
-----End Group, Size=6-----
```

```
-----Begin Group, Size=6-----  
I  
(1,2)  
(0,3,4)  
(0,3,4)(1,2)  
(0,4,3)  
(0,4,3)(1,2)  
-----End Group, Size=6-----
```

```
-----Begin Group, Size=6-----  
I  
(1,2)(3,4)  
(0,1)(3,4)  
(0,1,2)  
(0,2,1)  
(0,2)(3,4)  
-----End Group, Size=6-----
```

```
-----Begin Group, Size=6-----  
I  
(1,2)(3,4)  
(0,3,4)  
(0,3)(1,2)  
(0,4,3)  
(0,4)(1,2)  
-----End Group, Size=6-----
```

```
-----Begin Group, Size=6-----  
I  
(1,2,3)  
(1,3,2)  
(0,4)  
(0,4)(1,2,3)  
(0,4)(1,3,2)
```

-----End Group, Size=6-----

-----Begin Group, Size=6-----

I

(1,2,3)

(1,3,2)

(0,4)(2,3)

(0,4)(1,2)

(0,4)(1,3)

-----End Group, Size=6-----

-----Begin Group, Size=6-----

I

(1,2,4)

(1,4,2)

(0,3)

(0,3)(1,2,4)

(0,3)(1,4,2)

-----End Group, Size=6-----

-----Begin Group, Size=6-----

I

(1,2,4)

(1,4,2)

(0,3)(2,4)

(0,3)(1,2)

(0,3)(1,4)

-----End Group, Size=6-----

-----Begin Group, Size=6-----

I

(1,3)

(0,1)

(0,1,3)

(0,3,1)

(0,3)

-----End Group, Size=6-----

-----Begin Group, Size=6-----

I

(1,3)

(0,2,4)

(0,2,4)(1,3)

(0,4,2)

(0,4,2)(1,3)

-----End Group, Size=6-----

-----Begin Group, Size=6-----

I

(1,3,4)

(1,4,3)

(0,2)
(0,2)(1,3,4)
(0,2)(1,4,3)
-----End Group, Size=6-----

-----Begin Group, Size=6-----
I
(1,3,4)
(1,4,3)
(0,2)(3,4)
(0,2)(1,3)
(0,2)(1,4)
-----End Group, Size=6-----

-----Begin Group, Size=6-----
I
(1,3)(2,4)
(0,1)(2,4)
(0,1,3)
(0,3,1)
(0,3)(2,4)
-----End Group, Size=6-----

-----Begin Group, Size=6-----
I
(1,3)(2,4)
(0,2,4)
(0,2)(1,3)
(0,4,2)
(0,4)(1,3)
-----End Group, Size=6-----

-----Begin Group, Size=6-----
I
(1,4)
(0,1)
(0,1,4)
(0,4,1)
(0,4)
-----End Group, Size=6-----

-----Begin Group, Size=6-----
I
(1,4)
(0,2,3)
(0,2,3)(1,4)
(0,3,2)
(0,3,2)(1,4)
-----End Group, Size=6-----

-----Begin Group, Size=6-----

I
(1,4)(2,3)
(0,1)(2,3)
(0,1,4)
(0,4,1)
(0,4)(2,3)
-----End Group, Size=6-----

-----Begin Group, Size=6-----
I
(1,4)(2,3)
(0,2,3)
(0,2)(1,4)
(0,3,2)
(0,3)(1,4)
-----End Group, Size=6-----

-----Begin Group, Size=8-----
I
(3,4)
(1,2)
(1,2)(3,4)
(1,3)(2,4)
(1,3,2,4)
(1,4,2,3)
(1,4)(2,3)
-----End Group, Size=8-----

-----Begin Group, Size=8-----
I
(3,4)
(0,1)
(0,1)(3,4)
(0,3)(1,4)
(0,3,1,4)
(0,4,1,3)
(0,4)(1,3)
-----End Group, Size=8-----

-----Begin Group, Size=8-----
I
(3,4)
(0,2)
(0,2)(3,4)
(0,3)(2,4)
(0,3,2,4)
(0,4,2,3)
(0,4)(2,3)
-----End Group, Size=8-----

-----Begin Group, Size=8-----
I

(2,3)
(1,2)(3,4)
(1,2,4,3)
(1,3,4,2)
(1,3)(2,4)
(1,4)
(1,4)(2,3)
-----End Group, Size=8-----

-----Begin Group, Size=8-----
I
(2,3)
(0,1)
(0,1)(2,3)
(0,2)(1,3)
(0,2,1,3)
(0,3,1,2)
(0,3)(1,2)
-----End Group, Size=8-----

-----Begin Group, Size=8-----
I
(2,3)
(0,2)(3,4)
(0,2,4,3)
(0,3,4,2)
(0,3)(2,4)
(0,4)
(0,4)(2,3)
-----End Group, Size=8-----

-----Begin Group, Size=8-----
I
(2,4)
(1,2)(3,4)
(1,2,3,4)
(1,3)
(1,3)(2,4)
(1,4,3,2)
(1,4)(2,3)
-----End Group, Size=8-----

-----Begin Group, Size=8-----
I
(2,4)
(0,1)
(0,1)(2,4)
(0,2)(1,4)
(0,2,1,4)
(0,4,1,2)
(0,4)(1,2)
-----End Group, Size=8-----

```
-----Begin Group, Size=8-----  
I  
(2,4)  
(0,2)(3,4)  
(0,2,3,4)  
(0,3)  
(0,3)(2,4)  
(0,4,3,2)  
(0,4)(2,3)  
-----End Group, Size=8-----
```

```
-----Begin Group, Size=8-----  
I  
(1,2)  
(0,1)(2,3)  
(0,1,3,2)  
(0,2,3,1)  
(0,2)(1,3)  
(0,3)  
(0,3)(1,2)  
-----End Group, Size=8-----
```

```
-----Begin Group, Size=8-----  
I  
(1,2)  
(0,1)(2,4)  
(0,1,4,2)  
(0,2,4,1)  
(0,2)(1,4)  
(0,4)  
(0,4)(1,2)  
-----End Group, Size=8-----
```

```
-----Begin Group, Size=8-----  
I  
(1,3)  
(0,1)(3,4)  
(0,1,4,3)  
(0,3,4,1)  
(0,3)(1,4)  
(0,4)  
(0,4)(1,3)  
-----End Group, Size=8-----
```

```
-----Begin Group, Size=8-----  
I  
(1,3)  
(0,1)(2,3)  
(0,1,2,3)  
(0,2)  
(0,2)(1,3)  
(0,3,2,1)
```

(0,3)(1,2)
-----End Group, Size=8-----

-----Begin Group, Size=8-----
I
(1,4)
(0,1)(3,4)
(0,1,3,4)
(0,3)
(0,3)(1,4)
(0,4,3,1)
(0,4)(1,3)
-----End Group, Size=8-----

-----Begin Group, Size=8-----
I
(1,4)
(0,1)(2,4)
(0,1,2,4)
(0,2)
(0,2)(1,4)
(0,4,2,1)
(0,4)(1,2)
-----End Group, Size=8-----

-----Begin Group, Size=10-----
I
(1,2)(3,4)
(0,1)(2,3)
(0,1,3,4,2)
(0,2,4,3,1)
(0,2)(1,4)
(0,3)(2,4)
(0,3,2,1,4)
(0,4,1,2,3)
(0,4)(1,3)
-----End Group, Size=10-----

-----Begin Group, Size=10-----
I
(1,2)(3,4)
(0,1)(2,4)
(0,1,4,3,2)
(0,2,3,4,1)
(0,2)(1,3)
(0,3,1,2,4)
(0,3)(1,4)
(0,4)(2,3)
(0,4,2,1,3)
-----End Group, Size=10-----

-----Begin Group, Size=10-----

I
(1,3)(2,4)
(0,1)(3,4)
(0,1,4,2,3)
(0,2,1,3,4)
(0,2)(1,4)
(0,3,2,4,1)
(0,3)(1,2)
(0,4)(2,3)
(0,4,3,1,2)
-----End Group, Size=10-----

-----Begin Group, Size=10-----
I
(1,3)(2,4)
(0,1)(2,3)
(0,1,2,4,3)
(0,2)(3,4)
(0,2,3,1,4)
(0,3,4,2,1)
(0,3)(1,4)
(0,4)(1,2)
(0,4,1,3,2)
-----End Group, Size=10-----

-----Begin Group, Size=10-----
I
(1,4)(2,3)
(0,1)(3,4)
(0,1,3,2,4)
(0,2)(1,3)
(0,2,1,4,3)
(0,3)(2,4)
(0,3,4,1,2)
(0,4,2,3,1)
(0,4)(1,2)
-----End Group, Size=10-----

-----Begin Group, Size=10-----
I
(1,4)(2,3)
(0,1)(2,4)
(0,1,2,3,4)
(0,2)(3,4)
(0,2,4,1,3)
(0,3)(1,2)
(0,3,1,4,2)
(0,4,3,2,1)
(0,4)(1,3)
-----End Group, Size=10-----

-----Begin Group, Size=12-----
I

(3,4)
(2,3)
(2,3,4)
(2,4,3)
(2,4)
(0,1)
(0,1)(3,4)
(0,1)(2,3)
(0,1)(2,3,4)
(0,1)(2,4,3)
(0,1)(2,4)
-----End Group, Size=12-----

-----Begin Group, Size=12-----
I
(3,4)
(1,2)
(1,2)(3,4)
(0,1)
(0,1)(3,4)
(0,1,2)
(0,1,2)(3,4)
(0,2,1)
(0,2,1)(3,4)
(0,2)
(0,2)(3,4)
-----End Group, Size=12-----

-----Begin Group, Size=12-----
I
(3,4)
(1,2)
(1,2)(3,4)
(0,3)
(0,3,4)
(0,3)(1,2)
(0,3,4)(1,2)
(0,4,3)
(0,4)
(0,4,3)(1,2)
(0,4)(1,2)
-----End Group, Size=12-----

-----Begin Group, Size=12-----
I
(3,4)
(1,3)
(1,3,4)
(1,4,3)
(1,4)
(0,2)
(0,2)(3,4)
(0,2)(1,3)
(0,2)(1,3,4)

(0,2)(1,4,3)
(0,2)(1,4)
-----End Group, Size=12-----

-----Begin Group, Size=12-----
I
(2,3)
(1,2)
(1,2,3)
(1,3,2)
(1,3)
(0,4)
(0,4)(2,3)
(0,4)(1,2)
(0,4)(1,2,3)
(0,4)(1,3,2)
(0,4)(1,3)
-----End Group, Size=12-----

-----Begin Group, Size=12-----
I
(2,3)
(1,4)
(1,4)(2,3)
(0,1)
(0,1)(2,3)
(0,1,4)
(0,1,4)(2,3)
(0,4,1)
(0,4,1)(2,3)
(0,4)
(0,4)(2,3)
-----End Group, Size=12-----

-----Begin Group, Size=12-----
I
(2,3)
(1,4)
(1,4)(2,3)
(0,2)
(0,2,3)
(0,2)(1,4)
(0,2,3)(1,4)
(0,3,2)
(0,3)
(0,3,2)(1,4)
(0,3)(1,4)
-----End Group, Size=12-----

-----Begin Group, Size=12-----
I
(2,3,4)
(2,4,3)

(1,2)(3,4)
(1,2,3)
(1,2,4)
(1,3,2)
(1,3,4)
(1,3)(2,4)
(1,4,2)
(1,4,3)
(1,4)(2,3)
-----End Group, Size=12-----

-----Begin Group, Size=12-----
I
(2,3,4)
(2,4,3)
(0,2)(3,4)
(0,2,3)
(0,2,4)
(0,3,2)
(0,3,4)
(0,3)(2,4)
(0,4,2)
(0,4,3)
(0,4)(2,3)
-----End Group, Size=12-----

-----Begin Group, Size=12-----
I
(2,4)
(1,2)
(1,2,4)
(1,4,2)
(1,4)
(0,3)
(0,3)(2,4)
(0,3)(1,2)
(0,3)(1,2,4)
(0,3)(1,4,2)
(0,3)(1,4)
-----End Group, Size=12-----

-----Begin Group, Size=12-----
I
(2,4)
(1,3)
(1,3)(2,4)
(0,1)
(0,1)(2,4)
(0,1,3)
(0,1,3)(2,4)
(0,3,1)
(0,3,1)(2,4)
(0,3)
(0,3)(2,4)

-----End Group, Size=12-----

-----Begin Group, Size=12-----

I

(2,4)
(1,3)
(1,3)(2,4)
(0,2)
(0,2,4)
(0,2)(1,3)
(0,2,4)(1,3)
(0,4,2)
(0,4)
(0,4,2)(1,3)
(0,4)(1,3)

-----End Group, Size=12-----

-----Begin Group, Size=12-----

I

(1,2,3)
(1,3,2)
(0,1)(2,3)
(0,1,2)
(0,1,3)
(0,2,1)
(0,2,3)
(0,2)(1,3)
(0,3,1)
(0,3,2)
(0,3)(1,2)

-----End Group, Size=12-----

-----Begin Group, Size=12-----

I

(1,2,4)
(1,4,2)
(0,1)(2,4)
(0,1,2)
(0,1,4)
(0,2,1)
(0,2,4)
(0,2)(1,4)
(0,4,1)
(0,4,2)
(0,4)(1,2)

-----End Group, Size=12-----

-----Begin Group, Size=12-----

I

(1,3,4)
(1,4,3)
(0,1)(3,4)
(0,1,3)

(0,1,4)
(0,3,1)
(0,3,4)
(0,3)(1,4)
(0,4,1)
(0,4,3)
(0,4)(1,3)
-----End Group, Size=12-----

-----Begin Group, Size=20-----

I
(1,2)(3,4)
(1,3,2,4)
(1,4,2,3)
(0,1)(2,3)
(0,1,2,4)
(0,1,3,4,2)
(0,1,4,3)
(0,2,4,3,1)
(0,2,3,4)
(0,2,1,3)
(0,2)(1,4)
(0,3,4,1)
(0,3)(2,4)
(0,3,1,2)
(0,3,2,1,4)
(0,4,2,1)
(0,4,3,2)
(0,4,1,2,3)
(0,4)(1,3)
-----End Group, Size=20-----

-----Begin Group, Size=20-----

I
(1,2)(3,4)
(1,3,2,4)
(1,4,2,3)
(0,1)(2,4)
(0,1,2,3)
(0,1,3,4)
(0,1,4,3,2)
(0,2,3,4,1)
(0,2,4,3)
(0,2)(1,3)
(0,2,1,4)
(0,3,2,1)
(0,3,4,2)
(0,3,1,2,4)
(0,3)(1,4)
(0,4,3,1)
(0,4)(2,3)
(0,4,1,2)
(0,4,2,1,3)
-----End Group, Size=20-----

-----Begin Group, Size=20-----

I

(1,2,3,4)
(1,3)(2,4)
(1,4,3,2)
(0,1)(3,4)
(0,1,2,4)
(0,1,3,2)
(0,1,4,2,3)
(0,2,3,1)
(0,2,4,3)
(0,2,1,3,4)
(0,2)(1,4)
(0,3,2,4,1)
(0,3,4,2)
(0,3)(1,2)
(0,3,1,4)
(0,4,2,1)
(0,4)(2,3)
(0,4,3,1,2)
(0,4,1,3)

-----End Group, Size=20-----

-----Begin Group, Size=20-----

I

(1,2,3,4)
(1,3)(2,4)
(1,4,3,2)
(0,1)(2,3)
(0,1,2,4,3)
(0,1,3,4)
(0,1,4,2)
(0,2,4,1)
(0,2)(3,4)
(0,2,1,3)
(0,2,3,1,4)
(0,3,4,2,1)
(0,3,2,4)
(0,3,1,2)
(0,3)(1,4)
(0,4,3,1)
(0,4,2,3)
(0,4)(1,2)
(0,4,1,3,2)

-----End Group, Size=20-----

-----Begin Group, Size=20-----

I

(1,2,4,3)
(1,3,4,2)
(1,4)(2,3)
(0,1)(3,4)
(0,1,2,3)
(0,1,3,2,4)

(0,1,4,2)
(0,2,4,1)
(0,2,3,4)
(0,2)(1,3)
(0,2,1,4,3)
(0,3,2,1)
(0,3)(2,4)
(0,3,4,1,2)
(0,3,1,4)
(0,4,2,3,1)
(0,4,3,2)
(0,4)(1,2)
(0,4,1,3)
-----End Group, Size=20-----

-----Begin Group, Size=20-----

I
(1,2,4,3)
(1,3,4,2)
(1,4)(2,3)
(0,1)(2,4)
(0,1,2,3,4)
(0,1,3,2)
(0,1,4,3)
(0,2,3,1)
(0,2)(3,4)
(0,2,4,1,3)
(0,2,1,4)
(0,3,4,1)
(0,3,2,4)
(0,3)(1,2)
(0,3,1,4,2)
(0,4,3,2,1)
(0,4,2,3)
(0,4,1,2)
(0,4)(1,3)
-----End Group, Size=20-----

-----Begin Group, Size=24-----

I
(3,4)
(2,3)
(2,3,4)
(2,4,3)
(2,4)
(1,2)
(1,2)(3,4)
(1,2,3)
(1,2,3,4)
(1,2,4,3)
(1,2,4)
(1,3,2)
(1,3,4,2)
(1,3)
(1,3,4)

(1,3)(2,4)
(1,3,2,4)
(1,4,3,2)
(1,4,2)
(1,4,3)
(1,4)
(1,4,2,3)
(1,4)(2,3)
-----End Group, Size=24-----

-----Begin Group, Size=24-----

I
(3,4)
(2,3)
(2,3,4)
(2,4,3)
(2,4)
(0,2)
(0,2)(3,4)
(0,2,3)
(0,2,3,4)
(0,2,4,3)
(0,2,4)
(0,3,2)
(0,3,4,2)
(0,3)
(0,3,4)
(0,3)(2,4)
(0,3,2,4)
(0,4,3,2)
(0,4,2)
(0,4,3)
(0,4)
(0,4,2,3)
(0,4)(2,3)
-----End Group, Size=24-----

-----Begin Group, Size=24-----

I
(3,4)
(1,3)
(1,3,4)
(1,4,3)
(1,4)
(0,1)
(0,1)(3,4)
(0,1,3)
(0,1,3,4)
(0,1,4,3)
(0,1,4)
(0,3,1)
(0,3,4,1)
(0,3)
(0,3,4)
(0,3)(1,4)

(0,3,1,4)
(0,4,3,1)
(0,4,1)
(0,4,3)
(0,4)
(0,4,1,3)
(0,4)(1,3)
-----End Group, Size=24-----

-----Begin Group, Size=24-----

I
(2,3)
(1,2)
(1,2,3)
(1,3,2)
(1,3)
(0,1)
(0,1)(2,3)
(0,1,2)
(0,1,2,3)
(0,1,3,2)
(0,1,3)
(0,2,1)
(0,2,3,1)
(0,2)
(0,2,3)
(0,2)(1,3)
(0,2,1,3)
(0,3,2,1)
(0,3,1)
(0,3,2)
(0,3)
(0,3,1,2)
(0,3)(1,2)
-----End Group, Size=24-----

-----Begin Group, Size=24-----

I
(2,4)
(1,2)
(1,2,4)
(1,4,2)
(1,4)
(0,1)
(0,1)(2,4)
(0,1,2)
(0,1,2,4)
(0,1,4,2)
(0,1,4)
(0,2,1)
(0,2,4,1)
(0,2)
(0,2,4)
(0,2)(1,4)
(0,2,1,4)

(0,4,2,1)
(0,4,1)
(0,4,2)
(0,4)
(0,4,1,2)
(0,4)(1,2)
-----End Group, Size=24-----

-----Begin Group, Size=60-----

I
(2,3,4)
(2,4,3)
(1,2)(3,4)
(1,2,3)
(1,2,4)
(1,3,2)
(1,3,4)
(1,3)(2,4)
(1,4,2)
(1,4,3)
(1,4)(2,3)
(0,1)(3,4)
(0,1)(2,3)
(0,1)(2,4)
(0,1,2)
(0,1,2,3,4)
(0,1,2,4,3)
(0,1,3,4,2)
(0,1,3)
(0,1,3,2,4)
(0,1,4,3,2)
(0,1,4)
(0,1,4,2,3)
(0,2,1)
(0,2,3,4,1)
(0,2,4,3,1)
(0,2)(3,4)
(0,2,3)
(0,2,4)
(0,2)(1,3)
(0,2,1,3,4)
(0,2,4,1,3)
(0,2)(1,4)
(0,2,1,4,3)
(0,2,3,1,4)
(0,3,4,2,1)
(0,3,1)
(0,3,2,4,1)
(0,3,2)
(0,3,4)
(0,3)(2,4)
(0,3,4,1,2)
(0,3)(1,2)
(0,3,1,2,4)
(0,3,1,4,2)
(0,3,2,1,4)

(0,3)(1,4)
(0,4,3,2,1)
(0,4,1)
(0,4,2,3,1)
(0,4,2)
(0,4,3)
(0,4)(2,3)
(0,4,3,1,2)
(0,4)(1,2)
(0,4,1,2,3)
(0,4,1,3,2)
(0,4,2,1,3)
(0,4)(1,3)
-----End Group, Size=60-----

-----Begin Group, Size=120-----

I
(3,4)
(2,3)
(2,3,4)
(2,4,3)
(2,4)
(1,2)
(1,2)(3,4)
(1,2,3)
(1,2,3,4)
(1,2,4,3)
(1,2,4)
(1,3,2)
(1,3,4,2)
(1,3)
(1,3,4)
(1,3)(2,4)
(1,3,2,4)
(1,4,3,2)
(1,4,2)
(1,4,3)
(1,4)
(1,4,2,3)
(1,4)(2,3)
(0,1)
(0,1)(3,4)
(0,1)(2,3)
(0,1)(2,3,4)
(0,1)(2,4,3)
(0,1)(2,4)
(0,1,2)
(0,1,2)(3,4)
(0,1,2,3)
(0,1,2,3,4)
(0,1,2,4,3)
(0,1,2,4)
(0,1,3,2)
(0,1,3,4,2)
(0,1,3)
(0,1,3,4)

(0,1,3)(2,4)
(0,1,3,2,4)
(0,1,4,3,2)
(0,1,4,2)
(0,1,4,3)
(0,1,4)
(0,1,4,2,3)
(0,1,4)(2,3)
(0,2,1)
(0,2,1)(3,4)
(0,2,3,1)
(0,2,3,4,1)
(0,2,4,3,1)
(0,2,4,1)
(0,2)
(0,2)(3,4)
(0,2,3)
(0,2,3,4)
(0,2,4,3)
(0,2,4)
(0,2)(1,3)
(0,2)(1,3,4)
(0,2,1,3)
(0,2,1,3,4)
(0,2,4,1,3)
(0,2,4)(1,3)
(0,2)(1,4,3)
(0,2)(1,4)
(0,2,1,4,3)
(0,2,1,4)
(0,2,3)(1,4)
(0,2,3,1,4)
(0,3,2,1)
(0,3,4,2,1)
(0,3,1)
(0,3,4,1)
(0,3,1)(2,4)
(0,3,2,4,1)
(0,3,2)
(0,3,4,2)
(0,3)
(0,3,4)
(0,3)(2,4)
(0,3,2,4)
(0,3,1,2)
(0,3,4,1,2)
(0,3)(1,2)
(0,3,4)(1,2)
(0,3)(1,2,4)
(0,3,1,2,4)
(0,3,1,4,2)
(0,3,2)(1,4)
(0,3)(1,4,2)
(0,3,2,1,4)
(0,3)(1,4)
(0,3,1,4)
(0,4,3,2,1)

(0,4,2,1)
(0,4,3,1)
(0,4,1)
(0,4,2,3,1)
(0,4,1)(2,3)
(0,4,3,2)
(0,4,2)
(0,4,3)
(0,4)
(0,4,2,3)
(0,4)(2,3)
(0,4,3,1,2)
(0,4,1,2)
(0,4,3)(1,2)
(0,4)(1,2)
(0,4,1,2,3)
(0,4)(1,2,3)
(0,4,2)(1,3)
(0,4,1,3,2)
(0,4,2,1,3)
(0,4)(1,3,2)
(0,4,1,3)
(0,4)(1,3)
-----End Group, Size=120-----

*****END GroupSet - Size=156 *****