

192 Permutations of 1235 Pattern

(24 sets x 8 directions)

1235	1253	1325	1352	1523	1532
2135	2153	2315	2351	2513	2531
3125	3152	3215	3251	3512	3521
5123	5132	5213	5231	5312	5321

1235

1 ↑ 2 ↑ 3 ↑ 5	1 ↑ 2 ↑ 3 ↓ 5	1 ↑ 2 ↓ 3 ↑ 5
1 ↓ 2 ↑ 3 ↑ 5	1 ↑ 2 ↓ 3 ↓ 5	1 ↓ 2 ↑ 3 ↓ 5
1 ↓ 2 ↓ 3 ↑ 5	1 ↓ 2 ↓ 3 ↓ 5	

1253

1 ↑ 2 ↑ 5 ↑ 3	1 ↑ 2 ↑ 5 ↓ 3	1 ↑ 2 ↓ 5 ↑ 3
1 ↓ 2 ↑ 5 ↑ 3	1 ↑ 2 ↓ 5 ↓ 3	1 ↓ 2 ↑ 5 ↓ 3
1 ↓ 2 ↓ 5 ↑ 3	1 ↓ 2 ↓ 5 ↓ 3	

1325

1 ↑ 3 ↑ 2 ↑ 5	1 ↑ 3 ↑ 2 ↓ 5	1 ↑ 3 ↓ 2 ↑ 5
1 ↓ 3 ↑ 2 ↑ 5	1 ↑ 3 ↓ 2 ↓ 5	1 ↓ 3 ↑ 2 ↓ 5
1 ↓ 3 ↓ 2 ↑ 5	1 ↓ 3 ↓ 2 ↓ 5	

1352

1 ↑ 3 ↑ 5 ↑ 2	1 ↑ 3 ↑ 5 ↓ 2	1 ↑ 3 ↓ 5 ↑ 2
1 ↓ 3 ↑ 5 ↑ 2	1 ↑ 3 ↓ 5 ↓ 2	1 ↓ 3 ↑ 5 ↓ 2
1 ↓ 3 ↓ 5 ↑ 2	1 ↓ 3 ↓ 5 ↓ 2	

1523

1 ↑ 5 ↑ 2 ↑ 3	1 ↑ 5 ↑ 2 ↓ 3	1 ↑ 5 ↓ 2 ↑ 3
1 ↓ 5 ↑ 2 ↑ 3	1 ↑ 5 ↓ 2 ↓ 3	1 ↓ 5 ↑ 2 ↓ 3
1 ↓ 5 ↓ 2 ↑ 3	1 ↓ 5 ↓ 2 ↓ 3	

1532

1 ↑ 5 ↑ 3 ↑ 2	1 ↑ 5 ↑ 3 ↓ 2	1 ↑ 5 ↓ 3 ↑ 2
1 ↓ 5 ↑ 3 ↑ 2	1 ↑ 5 ↓ 3 ↓ 2	1 ↓ 5 ↑ 3 ↓ 2
1 ↓ 5 ↓ 3 ↑ 2	1 ↓ 5 ↓ 3 ↓ 2	

2135

2 ↑ 1 ↑ 3 ↑ 5	2 ↑ 1 ↑ 3 ↓ 5	2 ↑ 1 ↓ 3 ↑ 5
2 ↓ 1 ↑ 3 ↑ 5	2 ↑ 1 ↓ 3 ↓ 5	2 ↓ 1 ↑ 3 ↓ 5
2 ↓ 1 ↓ 3 ↑ 5	2 ↓ 1 ↓ 3 ↓ 5	

2153

2 ↑ 1 ↑ 5 ↑ 3	2 ↑ 1 ↑ 5 ↓ 3	2 ↑ 1 ↓ 5 ↑ 3
2 ↓ 1 ↑ 5 ↑ 3	2 ↑ 1 ↓ 5 ↓ 3	2 ↓ 1 ↑ 5 ↓ 3
2 ↓ 1 ↓ 5 ↑ 3	2 ↓ 1 ↓ 5 ↓ 3	

2315

2 ↑ 3 ↑ 1 ↑ 5	2 ↑ 3 ↑ 1 ↓ 5	2 ↑ 3 ↓ 1 ↑ 5
2 ↓ 3 ↑ 1 ↑ 5	2 ↑ 3 ↓ 1 ↓ 5	2 ↓ 3 ↑ 1 ↓ 5
2 ↓ 3 ↓ 1 ↑ 5	2 ↓ 3 ↓ 1 ↓ 5	

2351

2 ↑ 3 ↑ 5 ↑ 1	2 ↑ 3 ↑ 5 ↓ 1	2 ↑ 3 ↓ 5 ↑ 1
2 ↓ 3 ↑ 5 ↑ 1	2 ↑ 3 ↓ 5 ↓ 1	2 ↓ 3 ↑ 5 ↓ 1
2 ↓ 3 ↓ 5 ↑ 1	2 ↓ 3 ↓ 5 ↓ 1	

2513

2 ↑ 5 ↑ | ↑ 3
 2 ↓ 5 ↑ | ↑ 3
 2 ↓ 5 ↓ | ↑ 3

2 ↑ 5 ↑ | ↓ 3
 2 ↑ 5 ↓ | ↓ 3
 2 ↓ 5 ↓ | ↓ 3

2 ↑ 5 ↓ | ↑ 3
 2 ↓ 5 ↑ | ↓ 3

2531

2 ↑ 5 ↑ 3 ↑ |
 2 ↓ 5 ↑ 3 ↑ |
 2 ↓ 5 ↓ 3 ↑ |

2 ↑ 5 ↑ 3 ↓ |
 2 ↑ 5 ↓ 3 ↓ |
 2 ↓ 5 ↓ 3 ↓ |

2 ↑ 5 ↓ 3 ↑ |
 2 ↓ 5 ↑ 3 ↓ |

3125

3 ↑ | ↑ 2 ↑ 5
 3 ↓ | ↑ 2 ↑ 5
 3 ↓ | ↓ 2 ↑ 5

3 ↑ | ↑ 2 ↓ 5
 3 ↑ | ↓ 2 ↓ 5
 3 ↓ | ↓ 2 ↓ 5

3 ↑ | ↓ 2 ↑ 5
 3 ↓ | ↑ 2 ↓ 5

3152

3 ↑ | ↑ 5 ↑ 2
 3 ↓ | ↑ 5 ↑ 2
 3 ↓ | ↓ 5 ↑ 2

3 ↑ | ↑ 5 ↓ 2
 3 ↑ | ↓ 5 ↓ 2
 3 ↓ | ↓ 5 ↓ 2

3 ↑ | ↓ 5 ↑ 2
 3 ↓ | ↑ 5 ↓ 2

3215

3 ↑ 2 ↑ | ↑ 5
 3 ↓ 2 ↑ | ↑ 5
 3 ↓ 2 ↓ | ↑ 5

3 ↑ 2 ↑ | ↓ 5
 3 ↑ 2 ↓ | ↓ 5
 3 ↓ 2 ↓ | ↓ 5

3 ↑ 2 ↓ | ↑ 5
 3 ↓ 2 ↑ | ↓ 5

3251

3 ↑ 2 ↑ 5 ↑ |
 3 ↓ 2 ↑ 5 ↑ |
 3 ↓ 2 ↓ 5 ↑ |

3 ↑ 2 ↑ 5 ↓ |
 3 ↑ 2 ↓ 5 ↓ |
 3 ↓ 2 ↓ 5 ↓ |

3 ↑ 2 ↓ 5 ↑ |
 3 ↓ 2 ↑ 5 ↓ |

3512

3 ↑ 5 ↑ 1 ↑ 2
 3 ↓ 5 ↑ 1 ↑ 2
 3 ↓ 5 ↓ 1 ↑ 2

3 ↑ 5 ↑ 1 ↓ 2
 3 ↑ 5 ↓ 1 ↓ 2
 3 ↓ 5 ↓ 1 ↓ 2

3 ↑ 5 ↓ 1 ↑ 2
 3 ↓ 5 ↑ 1 ↓ 2

3521

3 ↑ 5 ↑ 2 ↑ 1
 3 ↓ 5 ↑ 2 ↑ 1
 3 ↓ 5 ↓ 2 ↑ 1

3 ↑ 5 ↑ 2 ↓ 1
 3 ↑ 5 ↓ 2 ↓ 1
 3 ↓ 5 ↓ 2 ↓ 1

3 ↑ 5 ↓ 2 ↑ 1
 3 ↓ 5 ↑ 2 ↓ 1

5123

5 ↑ 1 ↑ 2 ↑ 3
 5 ↓ 1 ↑ 2 ↑ 3
 5 ↓ 1 ↓ 2 ↑ 3

5 ↑ 1 ↑ 2 ↓ 3
 5 ↑ 1 ↓ 2 ↓ 3
 5 ↓ 1 ↓ 2 ↓ 3

5 ↑ 1 ↓ 2 ↑ 3
 5 ↓ 1 ↑ 2 ↓ 3

5132

5 ↑ 1 ↑ 3 ↑ 2
 5 ↓ 1 ↑ 3 ↑ 2
 5 ↓ 1 ↓ 3 ↑ 2

5 ↑ 1 ↑ 3 ↓ 2
 5 ↑ 1 ↓ 3 ↓ 2
 5 ↓ 1 ↓ 3 ↓ 2

5 ↑ 1 ↓ 3 ↑ 2
 5 ↓ 1 ↑ 3 ↓ 2

5213

5 ↑ 2 ↑ 1 ↑ 3
 5 ↓ 2 ↑ 1 ↑ 3
 5 ↓ 2 ↓ 1 ↑ 3

5 ↑ 2 ↑ 1 ↓ 3
 5 ↑ 2 ↓ 1 ↓ 3
 5 ↓ 2 ↓ 1 ↓ 3

5 ↑ 2 ↓ 1 ↑ 3
 5 ↓ 2 ↑ 1 ↓ 3

5231

5 ↑ 2 ↑ 3 ↑ 1
 5 ↓ 2 ↑ 3 ↑ 1
 5 ↓ 2 ↓ 3 ↑ 1

5 ↑ 2 ↑ 3 ↓ 1
 5 ↑ 2 ↓ 3 ↓ 1
 5 ↓ 2 ↓ 3 ↓ 1

5 ↑ 2 ↓ 3 ↑ 1
 5 ↓ 2 ↑ 3 ↓ 1

5312

5 ↑ 3 ↑ 1 ↑ 2

5 ↓ 3 ↑ 1 ↑ 2

5 ↓ 3 ↓ 1 ↑ 2

5 ↑ 3 ↑ 1 ↓ 2

5 ↑ 3 ↓ 1 ↓ 2

5 ↓ 3 ↓ 1 ↓ 2

5 ↑ 3 ↓ 1 ↑ 2

5 ↓ 3 ↑ 1 ↓ 2

5321

5 ↑ 3 ↑ 2 ↑ 1

5 ↓ 3 ↑ 2 ↑ 1

5 ↓ 3 ↓ 2 ↑ 1

5 ↑ 3 ↑ 2 ↓ 1

5 ↑ 3 ↓ 2 ↓ 1

5 ↓ 3 ↓ 2 ↓ 1

5 ↑ 3 ↓ 2 ↑ 1

5 ↓ 3 ↑ 2 ↓ 1