

Diagram illustrating the structure of the W_{24} Coxeter group, showing the root system and its associated Dynkin diagram. The diagram is a tree structure with nodes labeled by their corresponding roots. The root system is E_6 , and the diagram shows the connections between the roots. The labels are as follows:

- Root 1: $5-6-3-1-2-4$ (Root of the tree)
- Root 2: $5-6$
- Root 3: $5-4$
- Root 4: $3-2$
- Root 5: $3-4$
- Root 6: $2-1-3-6-5-4$
- Root 7: $5-6-1-3-2-4$
- Root 8: $5-6-3-4-2-1$
- Root 9: $2-3-1-6-5-4$
- Root 10: $7-2-3-1-6-5-4$
- Root 11: $5-6-1-2-3-4$
- Root 12: $2-3-1-6-5-4$
- Root 13: $2-3$
- Root 14: $2-1-3-4$
- Root 15: $6-5$
- Root 16: $5-6$
- Root 17: $5-4$
- Root 18: $3-4$
- Root 19: $2-1$
- Root 20: $3-2$
- Root 21: $3-4$
- Root 22: $6-5$
- Root 23: $5-6$
- Root 24: $5-4$
- Root 25: $3-4$
- Root 26: $2-1$
- Root 27: $3-2$
- Root 28: $3-4$
- Root 29: $6-5$
- Root 30: $5-6$
- Root 31: $5-4$
- Root 32: $3-4$
- Root 33: $2-1$
- Root 34: $3-2$
- Root 35: $3-4$
- Root 36: $6-5$
- Root 37: $5-6$
- Root 38: $5-4$
- Root 39: $3-4$
- Root 40: $2-1$
- Root 41: $3-2$
- Root 42: $3-4$
- Root 43: $6-5$
- Root 44: $5-6$
- Root 45: $5-4$
- Root 46: $3-4$
- Root 47: $2-1$
- Root 48: $3-2$
- Root 49: $3-4$
- Root 50: $6-5$
- Root 51: $5-6$
- Root 52: $5-4$
- Root 53: $3-4$
- Root 54: $2-1$
- Root 55: $3-2$
- Root 56: $3-4$
- Root 57: $6-5$
- Root 58: $5-6$
- Root 59: $5-4$
- Root 60: $3-4$
- Root 61: $2-1$
- Root 62: $3-2$
- Root 63: $3-4$
- Root 64: $6-5$
- Root 65: $5-6$
- Root 66: $5-4$
- Root 67: $3-4$
- Root 68: $2-1$
- Root 69: $3-2$
- Root 70: $3-4$
- Root 71: $6-5$
- Root 72: $5-6$
- Root 73: $5-4$
- Root 74: $3-4$
- Root 75: $2-1$
- Root 76: $3-2$
- Root 77: $3-4$
- Root 78: $6-5$
- Root 79: $5-6$
- Root 80: $5-4$
- Root 81: $3-4$
- Root 82: $2-1$
- Root 83: $3-2$
- Root 84: $3-4$
- Root 85: $6-5$
- Root 86: $5-6$
- Root 87: $5-4$
- Root 88: $3-4$
- Root 89: $2-1$
- Root 90: $3-2$
- Root 91: $3-4$
- Root 92: $6-5$
- Root 93: $5-6$
- Root 94: $5-4$
- Root 95: $3-4$
- Root 96: $2-1$
- Root 97: $3-2$
- Root 98: $3-4$
- Root 99: $6-5$
- Root 100: $5-6$
- Root 101: $5-4$
- Root 102: $3-4$
- Root 103: $2-1$
- Root 104: $3-2$
- Root 105: $3-4$
- Root 106: $6-5$
- Root 107: $5-6$
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- Root 110: $2-1$
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- Root 115: $5-4$
- Root 116: $3-4$
- Root 117: $2-1$
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- Root 207: $3-4$
- Root 208: $2-1$
- Root 209: $3-2$
- Root 210: $3-4$
- Root 211: $6-5$
- Root 212: $5-6$
- Root 213: $5-4$
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