

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 and edges labeled by the simple roots. The root system is W_{24} , and the Dynkin diagram is W_{24} .

The root system is defined by the following roots (labeled in blue):

- Root 1: $2-3$
- Root 2: $6-5$
- Root 3: $2-1$
- Root 4: $5-4$
- Root 5: $2-1$
- Root 6: $3-4$
- Root 7: $5-6$
- Root 8: $2-3$
- Root 9: $4-3$
- Root 10: $5-6$
- Root 11: $2-3$
- Root 12: $2-1$
- Root 13: $3-4$
- Root 14: $5-6$
- Root 15: $4-5$
- Root 16: $2-3$
- Root 17: $5-6$
- Root 18: $4-3$
- Root 19: $2-1$
- Root 20: $3-4$
- Root 21: $5-6$
- Root 22: $4-5$
- Root 23: $2-3$
- Root 24: $5-6$
- Root 25: $4-3$
- Root 26: $2-1$
- Root 27: $3-4$
- Root 28: $5-6$
- Root 29: $4-5$
- Root 30: $2-3$
- Root 31: $5-6$
- Root 32: $4-3$
- Root 33: $2-1$
- Root 34: $3-4$
- Root 35: $5-6$
- Root 36: $4-5$
- Root 37: $2-3$
- Root 38: $5-6$
- Root 39: $4-3$
- Root 40: $2-1$
- Root 41: $3-4$
- Root 42: $5-6$
- Root 43: $4-5$
- Root 44: $2-3$
- Root 45: $5-6$
- Root 46: $4-3$
- Root 47: $2-1$
- Root 48: $3-4$
- Root 49: $5-6$
- Root 50: $4-5$
- Root 51: $2-3$
- Root 52: $5-6$
- Root 53: $4-3$
- Root 54: $2-1$
- Root 55: $3-4$
- Root 56: $5-6$
- Root 57: $4-5$
- Root 58: $2-3$
- Root 59: $5-6$
- Root 60: $4-3$
- Root 61: $2-1$
- Root 62: $3-4$
- Root 63: $5-6$
- Root 64: $4-5$
- Root 65: $2-3$
- Root 66: $5-6$
- Root 67: $4-3$
- Root 68: $2-1$
- Root 69: $3-4$
- Root 70: $5-6$
- Root 71: $4-5$
- Root 72: $2-3$
- Root 73: $5-6$
- Root 74: $4-3$
- Root 75: $2-1$
- Root 76: $3-4$
- Root 77: $5-6$
- Root 78: $4-5$
- Root 79: $2-3$
- Root 80: $5-6$
- Root 81: $4-3$
- Root 82: $2-1$
- Root 83: $3-4$
- Root 84: $5-6$
- Root 85: $4-5$
- Root 86: $2-3$
- Root 87: $5-6$
- Root 88: $4-3$
- Root 89: $2-1$
- Root 90: $3-4$
- Root 91: $5-6$
- Root 92: $4-5$
- Root 93: $2-3$
- Root 94: $5-6$
- Root 95: $4-3$
- Root 96: $2-1$
- Root 97: $3-4$
- Root 98: $5-6$
- Root 99: $4-5$
- Root 100: $2-3$
- Root 101: $5-6$
- Root 102: $4-3$
- Root 103: $2-1$
- Root 104: $3-4$
- Root 105: $5-6$
- Root 106: $4-5$
- Root 107: $2-3$
- Root 108: $5-6$
- Root 109: $4-3$
- Root 110: $2-1$
- Root 111: $3-4$
- Root 112: $5-6$
- Root 113: $4-5$
- Root 114: $2-3$
- Root 115: $5-6$
- Root 116: $4-3$
- Root 117: $2-1$
- Root 118: $3-4$
- Root 119: $5-6$
- Root 120: $4-5$
- Root 121: $2-3$
- Root 122: $5-6$
- Root 123: $4-3$
- Root 124: $2-1$
- Root 125: $3-4$
- Root 126: $5-6$
- Root 127: $4-5$
- Root 128: $2-3$
- Root 129: $5-6$
- Root 130: $4-3$
- Root 131: $2-1$
- Root 132: $3-4$
- Root 133: $5-6$
- Root 134: $4-5$
- Root 135: $2-3$
- Root 136: $5-6$
- Root 137: $4-3$
- Root 138: $2-1$
- Root 139: $3-4$
- Root 140: $5-6$
- Root 141: $4-5$
- Root 142: $2-3$
- Root 143: $5-6$
- Root 144: $4-3$
- Root 145: $2-1$
- Root 146: $3-4$
- Root 147: $5-6$
- Root 148: $4-5$
- Root 149: $2-3$
- Root 150: $5-6$
- Root 151: $4-3$
- Root 152: $2-1$
- Root 153: $3-4$
- Root 154: $5-6$
- Root 155: $4-5$
- Root 156: $2-3$
- Root 157: $5-6$
- Root 158: $4-3$
- Root 159: $2-1$
- Root 160: $3-4$
- Root 161: $5-6$
- Root 162: $4-5$
- Root 163: $2-3$
- Root 164: $5-6$
- Root 165: $4-3$
- Root 166: $2-1$
- Root 167: $3-4$
- Root 168: $5-6$
- Root 169: $4-5$
- Root 170: $2-3$
- Root 171: $5-6$
- Root 172: $4-3$
- Root 173: $2-1$
- Root 174: $3-4$
- Root 175: $5-6$
- Root 176: $4-5$
- Root 177: $2-3$
- Root 178: $5-6$
- Root 179: $4-3$
- Root 180: $2-1$
- Root 181: $3-4$
- Root 182: $5-6$
- Root 183: $4-5$
- Root 184: $2-3$
- Root 185: $5-6$
- Root 186: $4-3$
- Root 187: $2-1$
- Root 188: $3-4$
- Root 189: $5-6$
- Root 190: $4-5$
- Root 191: $2-3$
- Root 192: $5-6$
- Root 193: $4-3$
- Root 194: $2-1$
- Root 195: $3-4$
- Root 196: $5-6$
- Root 197: $4-5$
- Root 198: $2-3$
- Root 199: $5-6$
- Root 200: $4-3$
- Root 201: $2-1$
- Root 202: $3-4$
- Root 203: $5-6$
- Root 204: $4-5$
- Root 205: $2-3$
- Root 206: $5-6$
- Root 207: $4-3$
- Root 208: $2-1$
- Root 209: $3-4$
- Root 210: $5-6$
- Root 211: $4-5$
- Root 212: $2-3$
- Root 213: $5-6$
- Root 214: $4-3$
- Root 215: $2-1$
- Root 216: 3