Gen 65: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 66: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 67: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 68: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 69: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 70: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 71: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 72: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 73: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 74: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 75: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 76: State = (inf, nan, 0.12), Action = hybrid, Reward = 0.0175

Gen 77: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 78: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 79: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 80: State = (inf, nan, 0.17), Action = hybrid, Reward = 0.0175

Gen 81: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 82: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 83: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Gen 84: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 85: State = (inf, nan, 0.13), Action = hybrid, Reward = 0.0175

Gen 86: State = (inf, nan, 0.13), Action = hybrid, Reward = 0.0175

Gen 87: State = (inf, nan, 0.08), Action = global, Reward = 0.0175

Gen 88: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Gen 89: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 90: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 91: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 92: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 93: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 94: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 95: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 96: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 97: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 98: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 99: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 100: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 101: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 102: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 103: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 104: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 105: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 106: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 107: State = (inf, nan, 0.16), Action = local, Reward = 0.0175

Gen 108: State = (inf, nan, 0.09), Action = global, Reward = 0.0175

Gen 109: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 110: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 111: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 112: State = (inf, nan, 0.08), Action = global, Reward = 0.0175

Gen 113: State = (inf, nan, 0.15), Action = local, Reward = 0.0175

Gen 114: State = (inf, nan, 0.05), Action = global, Reward = 0.0175

Gen 115: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 116: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 117: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 118: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 119: State = (inf, nan, 0.17), Action = local, Reward = 0.0175

Gen 120: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 121: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 122: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 123: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 124: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 125: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 126: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 127: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 128: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 129: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 130: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 131: State = (inf, nan, 0.1), Action = local, Reward = 0.0175

Gen 132: State = (inf, nan, 0.07), Action = global, Reward = 0.0175

Gen 133: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 134: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 135: State = (inf, nan, 0.1), Action = hybrid, Reward = 0.0175

Gen 136: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 137: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 138: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Gen 139: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 140: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 141: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 142: State = (inf, nan, 0.12), Action = hybrid, Reward = 0.0175

Gen 143: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 144: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 145: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 146: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 147: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 148: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 149: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Run 24 - Makespan: 56.0

Gen 0: State = (inf, inf, 0.0), Action = global, Reward = 0.0167

Gen 1: State = (inf, nan, 0.32), Action = global, Reward = 0.0167

Gen 2: State = (inf, nan, 0.26), Action = local, Reward = 0.0169

Gen 3: State = (inf, nan, 0.26), Action = global, Reward = 0.0175

Gen 4: State = (inf, nan, 0.23), Action = global, Reward = 0.0175

Gen 5: State = (inf, nan, 0.17), Action = hybrid, Reward = 0.0175

Gen 6: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 7: State = (inf, nan, 0.13), Action = local, Reward = 0.0175

Gen 8: State = (inf, nan, 0.08), Action = hybrid, Reward = 0.0175

Gen 9: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 10: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 11: State = (inf, nan, 0.19), Action = global, Reward = 0.0175

Gen 12: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 13: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 14: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 15: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 16: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Gen 17: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 18: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 19: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 20: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 21: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 22: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 23: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 24: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 25: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 26: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 27: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Gen 28: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 29: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 30: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 31: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 32: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 33: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Gen 34: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Gen 35: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 36: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 37: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 38: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 39: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 40: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 41: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 42: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 43: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 44: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 45: State = (inf, nan, 0.12), Action = hybrid, Reward = 0.0175

Gen 46: State = (inf, nan, 0.08), Action = global, Reward = 0.0175

Gen 47: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 48: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 49: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 50: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 51: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 52: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Gen 53: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 54: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 55: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 56: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 57: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 58: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 59: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Gen 60: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 61: State = (inf, nan, 0.11), Action = hybrid, Reward = 0.0175

Gen 62: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 63: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 64: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 65: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 66: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 67: State = (inf, nan, 0.19), Action = hybrid, Reward = 0.0175

Gen 68: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 69: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 70: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Gen 71: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 72: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 73: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 74: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 75: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 76: State = (inf, nan, 0.14), Action = local, Reward = 0.0175

Gen 77: State = (inf, nan, 0.06), Action = global, Reward = 0.0175

Gen 78: State = (inf, nan, 0.09), Action = global, Reward = 0.0175

Gen 79: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 80: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 81: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 82: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 83: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 84: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 85: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Gen 86: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 87: State = (inf, nan, 0.09), Action = global, Reward = 0.0175

Gen 88: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 89: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 90: State = (inf, nan, 0.11), Action = local, Reward = 0.0175

Gen 91: State = (inf, nan, 0.06), Action = global, Reward = 0.0175

Gen 92: State = (inf, nan, 0.13), Action = local, Reward = 0.0175

Gen 93: State = (inf, nan, 0.08), Action = local, Reward = 0.0175

Gen 94: State = (inf, nan, 0.07), Action = global, Reward = 0.0175

Gen 95: State = (inf, nan, 0.12), Action = local, Reward = 0.0175

Gen 96: State = (inf, nan, 0.06), Action = global, Reward = 0.0175

Gen 97: State = (inf, nan, 0.22), Action = global, Reward = 0.0175

Gen 98: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Gen 99: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 100: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 101: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 102: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 103: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 104: State = (inf, nan, 0.2), Action = global, Reward = 0.0175

Gen 105: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 106: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 107: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 108: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 109: State = (inf, nan, 0.11), Action = local, Reward = 0.0175

Gen 110: State = (inf, nan, 0.07), Action = global, Reward = 0.0175

Gen 111: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 112: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 113: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 114: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 115: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 116: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 117: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 118: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 119: State = (inf, nan, 0.19), Action = global, Reward = 0.0175

Gen 120: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 121: State = (inf, nan, 0.19), Action = local, Reward = 0.0175

Gen 122: State = (inf, nan, 0.06), Action = hybrid, Reward = 0.0175

Gen 123: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 124: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 125: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 126: State = (inf, nan, 0.17), Action = local, Reward = 0.0175

Gen 127: State = (inf, nan, 0.07), Action = global, Reward = 0.0175

Gen 128: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 129: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 130: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 131: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 132: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 133: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Gen 134: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 135: State = (inf, nan, 0.08), Action = global, Reward = 0.0175

Gen 136: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 137: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 138: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 139: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 140: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Gen 141: State = (inf, nan, 0.13), Action = local, Reward = 0.0175

Gen 142: State = (inf, nan, 0.07), Action = global, Reward = 0.0175

Gen 143: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 144: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 145: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 146: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 147: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 148: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 149: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Run 25 - Makespan: 56.0

Gen 0: State = (inf, inf, 0.0), Action = global, Reward = 0.0167

Gen 1: State = (inf, nan, 0.32), Action = global, Reward = 0.0169

Gen 2: State = (inf, nan, 0.26), Action = global, Reward = 0.0172

Gen 3: State = (inf, nan, 0.22), Action = global, Reward = 0.0172

Gen 4: State = (inf, nan, 0.2), Action = global, Reward = 0.0172

Gen 5: State = (inf, nan, 0.24), Action = global, Reward = 0.0175

Gen 6: State = (inf, nan, 0.25), Action = global, Reward = 0.0175

Gen 7: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 8: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 9: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 10: State = (inf, nan, 0.2), Action = global, Reward = 0.0175

Gen 11: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 12: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 13: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 14: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 15: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 16: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 17: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 18: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 19: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 20: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 21: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 22: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 23: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 24: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 25: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 26: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 27: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 28: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 29: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Gen 30: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 31: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 32: State = (inf, nan, 0.15), Action = local, Reward = 0.0175

Gen 33: State = (inf, nan, 0.07), Action = global, Reward = 0.0175

Gen 34: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 35: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 36: State = (inf, nan, 0.19), Action = global, Reward = 0.0175

Gen 37: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 38: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 39: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 40: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 41: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 42: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 43: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 44: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 45: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 46: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 47: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 48: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 49: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 50: State = (inf, nan, 0.15), Action = hybrid, Reward = 0.0175

Gen 51: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 52: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 53: State = (inf, nan, 0.2), Action = global, Reward = 0.0175

Gen 54: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 55: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Gen 56: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 57: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 58: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 59: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 60: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 61: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 62: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 63: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 64: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 65: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 66: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 67: State = (inf, nan, 0.14), Action = hybrid, Reward = 0.0175

Gen 68: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 69: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 70: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 71: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 72: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Gen 73: State = (inf, nan, 0.19), Action = global, Reward = 0.0175

Gen 74: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 75: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 76: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 77: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 78: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 79: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 80: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 81: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 82: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 83: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 84: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 85: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 86: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 87: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 88: State = (inf, nan, 0.08), Action = global, Reward = 0.0175

Gen 89: State = (inf, nan, 0.1), Action = hybrid, Reward = 0.0175

Gen 90: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 91: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 92: State = (inf, nan, 0.09), Action = local, Reward = 0.0175

Gen 93: State = (inf, nan, 0.07), Action = global, Reward = 0.0175

Gen 94: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 95: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 96: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 97: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 98: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 99: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 100: State = (inf, nan, 0.09), Action = global, Reward = 0.0175

Gen 101: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 102: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 103: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 104: State = (inf, nan, 0.09), Action = global, Reward = 0.0175

Gen 105: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 106: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 107: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 108: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 109: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 110: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 111: State = (inf, nan, 0.14), Action = hybrid, Reward = 0.0175

Gen 112: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 113: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 114: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 115: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 116: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 117: State = (inf, nan, 0.12), Action = local, Reward = 0.0175

Gen 118: State = (inf, nan, 0.06), Action = global, Reward = 0.0175

Gen 119: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 120: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 121: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 122: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 123: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 124: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 125: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 126: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 127: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 128: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 129: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 130: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 131: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 132: State = (inf, nan, 0.15), Action = hybrid, Reward = 0.0175

Gen 133: State = (inf, nan, 0.09), Action = global, Reward = 0.0175

Gen 134: State = (inf, nan, 0.18), Action = hybrid, Reward = 0.0175

Gen 135: State = (inf, nan, 0.09), Action = global, Reward = 0.0175

Gen 136: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 137: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 138: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 139: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 140: State = (inf, nan, 0.09), Action = global, Reward = 0.0175

Gen 141: State = (inf, nan, 0.12), Action = hybrid, Reward = 0.0175

Gen 142: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 143: State = (inf, nan, 0.2), Action = global, Reward = 0.0175

Gen 144: State = (inf, nan, 0.19), Action = global, Reward = 0.0175

Gen 145: State = (inf, nan, 0.17), Action = hybrid, Reward = 0.0175

Gen 146: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 147: State = (inf, nan, 0.19), Action = hybrid, Reward = 0.0175

Gen 148: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 149: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Run 26 - Makespan: 56.0

Gen 0: State = (inf, inf, 0.0), Action = global, Reward = 0.0167

Gen 1: State = (inf, nan, 0.31), Action = global, Reward = 0.0169

Gen 2: State = (inf, nan, 0.27), Action = global, Reward = 0.0169

Gen 3: State = (inf, nan, 0.22), Action = global, Reward = 0.0169

Gen 4: State = (inf, nan, 0.12), Action = local, Reward = 0.0172

Gen 5: State = (inf, nan, 0.06), Action = local, Reward = 0.0175

Gen 6: State = (inf, nan, 0.06), Action = global, Reward = 0.0175

Gen 7: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 8: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 9: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Gen 10: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 11: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 12: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 13: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 14: State = (inf, nan, 0.17), Action = local, Reward = 0.0175

Gen 15: State = (inf, nan, 0.07), Action = global, Reward = 0.0175

Gen 16: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 17: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 18: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Gen 19: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 20: State = (inf, nan, 0.12), Action = local, Reward = 0.0175

Gen 21: State = (inf, nan, 0.08), Action = hybrid, Reward = 0.0175

Gen 22: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 23: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 24: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 25: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 26: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 27: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 28: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 29: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 30: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 31: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Gen 32: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 33: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 34: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 35: State = (inf, nan, 0.16), Action = local, Reward = 0.0175

Gen 36: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 37: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 38: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 39: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 40: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 41: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 42: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 43: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 44: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 45: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 46: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Gen 47: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 48: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 49: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 50: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 51: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 52: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 53: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 54: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 55: State = (inf, nan, 0.19), Action = global, Reward = 0.0175

Gen 56: State = (58.76, 6.011854955003489, 0.14), Action = global, Reward = 0.0175

Gen 57: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 58: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 59: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Gen 60: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 61: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 62: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 63: State = (inf, nan, 0.19), Action = global, Reward = 0.0175

Gen 64: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 65: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 66: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 67: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 68: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 69: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 70: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 71: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 72: State = (inf, nan, 0.13), Action = hybrid, Reward = 0.0175

Gen 73: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 74: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 75: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 76: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 77: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 78: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 79: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 80: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 81: State = (inf, nan, 0.15), Action = hybrid, Reward = 0.0175

Gen 82: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 83: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 84: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 85: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 86: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 87: State = (inf, nan, 0.08), Action = global, Reward = 0.0175

Gen 88: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 89: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 90: State = (inf, nan, 0.15), Action = hybrid, Reward = 0.0175

Gen 91: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 92: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 93: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Gen 94: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 95: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 96: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 97: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 98: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 99: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 100: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 101: State = (inf, nan, 0.2), Action = global, Reward = 0.0175

Gen 102: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 103: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Gen 104: State = (inf, nan, 0.14), Action = hybrid, Reward = 0.0175

Gen 105: State = (inf, nan, 0.09), Action = hybrid, Reward = 0.0175

Gen 106: State = (inf, nan, 0.09), Action = global, Reward = 0.0175

Gen 107: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 108: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 109: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 110: State = (inf, nan, 0.13), Action = hybrid, Reward = 0.0175

Gen 111: State = (inf, nan, 0.07), Action = global, Reward = 0.0175

Gen 112: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 113: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 114: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 115: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 116: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 117: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Gen 118: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 119: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Gen 120: State = (inf, nan, 0.08), Action = global, Reward = 0.0175

Gen 121: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 122: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 123: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 124: State = (inf, nan, 0.13), Action = hybrid, Reward = 0.0175

Gen 125: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 126: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 127: State = (inf, nan, 0.12), Action = local, Reward = 0.0175

Gen 128: State = (inf, nan, 0.08), Action = global, Reward = 0.0175

Gen 129: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 130: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 131: State = (inf, nan, 0.13), Action = local, Reward = 0.0175

Gen 132: State = (inf, nan, 0.07), Action = hybrid, Reward = 0.0175

Gen 133: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 134: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 135: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 136: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 137: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 138: State = (inf, nan, 0.09), Action = global, Reward = 0.0175

Gen 139: State = (inf, nan, 0.12), Action = local, Reward = 0.0175

Gen 140: State = (inf, nan, 0.08), Action = global, Reward = 0.0175

Gen 141: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 142: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 143: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 144: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 145: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 146: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 147: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 148: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 149: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Run 27 - Makespan: 56.0

Gen 0: State = (inf, inf, 0.0), Action = global, Reward = 0.0169

Gen 1: State = (inf, nan, 0.33), Action = global, Reward = 0.0169

Gen 2: State = (inf, nan, 0.25), Action = global, Reward = 0.0169

Gen 3: State = (inf, nan, 0.25), Action = global, Reward = 0.0169

Gen 4: State = (inf, nan, 0.24), Action = global, Reward = 0.0169

Gen 5: State = (inf, nan, 0.27), Action = global, Reward = 0.0169

Gen 6: State = (inf, nan, 0.25), Action = global, Reward = 0.0169

Gen 7: State = (inf, nan, 0.24), Action = global, Reward = 0.0169

Gen 8: State = (inf, nan, 0.24), Action = global, Reward = 0.0169

Gen 9: State = (inf, nan, 0.23), Action = global, Reward = 0.0169

Gen 10: State = (inf, nan, 0.19), Action = hybrid, Reward = 0.0169

Gen 11: State = (inf, nan, 0.15), Action = global, Reward = 0.0169

Gen 12: State = (inf, nan, 0.2), Action = global, Reward = 0.0169

Gen 13: State = (inf, nan, 0.22), Action = global, Reward = 0.0169

Gen 14: State = (inf, nan, 0.14), Action = global, Reward = 0.0169

Gen 15: State = (inf, nan, 0.09), Action = global, Reward = 0.0169

Gen 16: State = (inf, nan, 0.12), Action = global, Reward = 0.0169

Gen 17: State = (inf, nan, 0.16), Action = global, Reward = 0.0169

Gen 18: State = (inf, nan, 0.14), Action = global, Reward = 0.0169

Gen 19: State = (inf, nan, 0.11), Action = global, Reward = 0.0169

Gen 20: State = (inf, nan, 0.16), Action = global, Reward = 0.0169

Gen 21: State = (inf, nan, 0.17), Action = global, Reward = 0.0169

Gen 22: State = (inf, nan, 0.1), Action = hybrid, Reward = 0.0169

Gen 23: State = (inf, nan, 0.09), Action = global, Reward = 0.0169

Gen 24: State = (inf, nan, 0.15), Action = global, Reward = 0.0169

Gen 25: State = (inf, nan, 0.11), Action = global, Reward = 0.0169

Gen 26: State = (inf, nan, 0.14), Action = hybrid, Reward = 0.0169

Gen 27: State = (inf, nan, 0.09), Action = global, Reward = 0.0169

Gen 28: State = (inf, nan, 0.16), Action = global, Reward = 0.0169

Gen 29: State = (inf, nan, 0.15), Action = global, Reward = 0.0169

Gen 30: State = (inf, nan, 0.13), Action = global, Reward = 0.0169

Gen 31: State = (inf, nan, 0.14), Action = global, Reward = 0.0169

Gen 32: State = (inf, nan, 0.14), Action = local, Reward = 0.0169

Gen 33: State = (inf, nan, 0.07), Action = global, Reward = 0.0169

Gen 34: State = (inf, nan, 0.13), Action = global, Reward = 0.0169

Gen 35: State = (inf, nan, 0.1), Action = global, Reward = 0.0169

Gen 36: State = (inf, nan, 0.17), Action = global, Reward = 0.0169

Gen 37: State = (inf, nan, 0.17), Action = global, Reward = 0.0169

Gen 38: State = (inf, nan, 0.15), Action = global, Reward = 0.0169

Gen 39: State = (inf, nan, 0.13), Action = global, Reward = 0.0169

Gen 40: State = (inf, nan, 0.13), Action = hybrid, Reward = 0.0169

Gen 41: State = (inf, nan, 0.11), Action = global, Reward = 0.0169

Gen 42: State = (inf, nan, 0.16), Action = global, Reward = 0.0169

Gen 43: State = (inf, nan, 0.14), Action = global, Reward = 0.0169

Gen 44: State = (inf, nan, 0.17), Action = global, Reward = 0.0169

Gen 45: State = (inf, nan, 0.12), Action = global, Reward = 0.0169

Gen 46: State = (inf, nan, 0.13), Action = global, Reward = 0.0169

Gen 47: State = (inf, nan, 0.13), Action = global, Reward = 0.0169

Gen 48: State = (inf, nan, 0.13), Action = global, Reward = 0.0169

Gen 49: State = (inf, nan, 0.15), Action = global, Reward = 0.0169

Gen 50: State = (inf, nan, 0.16), Action = global, Reward = 0.0169

Gen 51: State = (inf, nan, 0.11), Action = global, Reward = 0.0169

Gen 52: State = (inf, nan, 0.14), Action = global, Reward = 0.0169

Gen 53: State = (inf, nan, 0.16), Action = global, Reward = 0.0169

Gen 54: State = (inf, nan, 0.1), Action = global, Reward = 0.0169

Gen 55: State = (inf, nan, 0.12), Action = global, Reward = 0.0169

Gen 56: State = (inf, nan, 0.13), Action = global, Reward = 0.0169

Gen 57: State = (inf, nan, 0.17), Action = global, Reward = 0.0169

Gen 58: State = (inf, nan, 0.12), Action = global, Reward = 0.0169

Gen 59: State = (inf, nan, 0.15), Action = global, Reward = 0.0169

Gen 60: State = (inf, nan, 0.11), Action = global, Reward = 0.0169

Gen 61: State = (inf, nan, 0.17), Action = local, Reward = 0.0169

Gen 62: State = (inf, nan, 0.04), Action = global, Reward = 0.0169

Gen 63: State = (inf, nan, 0.11), Action = global, Reward = 0.0169

Gen 64: State = (inf, nan, 0.09), Action = hybrid, Reward = 0.0169

Gen 65: State = (inf, nan, 0.1), Action = global, Reward = 0.0169

Gen 66: State = (inf, nan, 0.12), Action = global, Reward = 0.0169

Gen 67: State = (inf, nan, 0.12), Action = global, Reward = 0.0169

Gen 68: State = (inf, nan, 0.17), Action = global, Reward = 0.0169

Gen 69: State = (inf, nan, 0.1), Action = global, Reward = 0.0169

Gen 70: State = (inf, nan, 0.14), Action = global, Reward = 0.0169

Gen 71: State = (inf, nan, 0.11), Action = hybrid, Reward = 0.0169

Gen 72: State = (inf, nan, 0.08), Action = global, Reward = 0.0169

Gen 73: State = (inf, nan, 0.12), Action = global, Reward = 0.0169

Gen 74: State = (inf, nan, 0.19), Action = global, Reward = 0.0169

Gen 75: State = (inf, nan, 0.14), Action = global, Reward = 0.0169

Gen 76: State = (inf, nan, 0.14), Action = global, Reward = 0.0169

Gen 77: State = (inf, nan, 0.11), Action = global, Reward = 0.0169

Gen 78: State = (inf, nan, 0.13), Action = global, Reward = 0.0169

Gen 79: State = (inf, nan, 0.16), Action = global, Reward = 0.0169

Gen 80: State = (inf, nan, 0.16), Action = global, Reward = 0.0169

Gen 81: State = (inf, nan, 0.2), Action = global, Reward = 0.0169

Gen 82: State = (inf, nan, 0.15), Action = global, Reward = 0.0169

Gen 83: State = (inf, nan, 0.13), Action = global, Reward = 0.0169

Gen 84: State = (inf, nan, 0.14), Action = global, Reward = 0.0169

Gen 85: State = (inf, nan, 0.11), Action = global, Reward = 0.0169

Gen 86: State = (inf, nan, 0.13), Action = global, Reward = 0.0169

Gen 87: State = (inf, nan, 0.14), Action = global, Reward = 0.0169

Gen 88: State = (inf, nan, 0.13), Action = global, Reward = 0.0169

Gen 89: State = (inf, nan, 0.14), Action = global, Reward = 0.0169

Gen 90: State = (inf, nan, 0.13), Action = global, Reward = 0.0169

Gen 91: State = (inf, nan, 0.11), Action = global, Reward = 0.0169

Gen 92: State = (inf, nan, 0.14), Action = global, Reward = 0.0169

Gen 93: State = (inf, nan, 0.14), Action = global, Reward = 0.0169

Gen 94: State = (inf, nan, 0.14), Action = global, Reward = 0.0169

Gen 95: State = (inf, nan, 0.11), Action = global, Reward = 0.0169

Gen 96: State = (inf, nan, 0.17), Action = global, Reward = 0.0169

Gen 97: State = (inf, nan, 0.18), Action = global, Reward = 0.0169

Gen 98: State = (inf, nan, 0.15), Action = global, Reward = 0.0169

Gen 99: State = (inf, nan, 0.11), Action = global, Reward = 0.0169

Gen 100: State = (inf, nan, 0.14), Action = global, Reward = 0.0169

Gen 101: State = (inf, nan, 0.09), Action = local, Reward = 0.0169

Gen 102: State = (inf, nan, 0.06), Action = global, Reward = 0.0169

Gen 103: State = (inf, nan, 0.12), Action = global, Reward = 0.0169

Gen 104: State = (inf, nan, 0.1), Action = global, Reward = 0.0169

Gen 105: State = (inf, nan, 0.15), Action = global, Reward = 0.0169

Gen 106: State = (inf, nan, 0.15), Action = global, Reward = 0.0169

Gen 107: State = (inf, nan, 0.15), Action = hybrid, Reward = 0.0169

Gen 108: State = (inf, nan, 0.09), Action = global, Reward = 0.0169

Gen 109: State = (inf, nan, 0.12), Action = global, Reward = 0.0169

Gen 110: State = (inf, nan, 0.13), Action = global, Reward = 0.0169

Gen 111: State = (inf, nan, 0.15), Action = global, Reward = 0.0169

Gen 112: State = (inf, nan, 0.12), Action = global, Reward = 0.0169

Gen 113: State = (inf, nan, 0.11), Action = local, Reward = 0.0169

Gen 114: State = (inf, nan, 0.06), Action = global, Reward = 0.0169

Gen 115: State = (inf, nan, 0.13), Action = global, Reward = 0.0169

Gen 116: State = (inf, nan, 0.14), Action = global, Reward = 0.0169

Gen 117: State = (inf, nan, 0.1), Action = global, Reward = 0.0169

Gen 118: State = (inf, nan, 0.15), Action = local, Reward = 0.0169

Gen 119: State = (inf, nan, 0.07), Action = global, Reward = 0.0169

Gen 120: State = (inf, nan, 0.14), Action = global, Reward = 0.0169

Gen 121: State = (inf, nan, 0.14), Action = local, Reward = 0.0169

Gen 122: State = (inf, nan, 0.09), Action = global, Reward = 0.0169

Gen 123: State = (inf, nan, 0.12), Action = global, Reward = 0.0169

Gen 124: State = (inf, nan, 0.14), Action = global, Reward = 0.0169

Gen 125: State = (inf, nan, 0.1), Action = global, Reward = 0.0169

Gen 126: State = (inf, nan, 0.1), Action = local, Reward = 0.0169

Gen 127: State = (inf, nan, 0.07), Action = global, Reward = 0.0169

Gen 128: State = (inf, nan, 0.12), Action = global, Reward = 0.0169

Gen 129: State = (inf, nan, 0.12), Action = global, Reward = 0.0169

Gen 130: State = (inf, nan, 0.12), Action = global, Reward = 0.0169

Gen 131: State = (inf, nan, 0.17), Action = global, Reward = 0.0169

Gen 132: State = (inf, nan, 0.17), Action = global, Reward = 0.0169

Gen 133: State = (inf, nan, 0.13), Action = global, Reward = 0.0169

Gen 134: State = (inf, nan, 0.16), Action = global, Reward = 0.0169

Gen 135: State = (inf, nan, 0.15), Action = global, Reward = 0.0169

Gen 136: State = (inf, nan, 0.16), Action = global, Reward = 0.0169

Gen 137: State = (inf, nan, 0.09), Action = global, Reward = 0.0169

Gen 138: State = (inf, nan, 0.12), Action = global, Reward = 0.0169

Gen 139: State = (inf, nan, 0.12), Action = global, Reward = 0.0169

Gen 140: State = (inf, nan, 0.12), Action = global, Reward = 0.0169

Gen 141: State = (inf, nan, 0.14), Action = global, Reward = 0.0169

Gen 142: State = (inf, nan, 0.14), Action = global, Reward = 0.0169

Gen 143: State = (inf, nan, 0.16), Action = global, Reward = 0.0169

Gen 144: State = (inf, nan, 0.11), Action = global, Reward = 0.0169

Gen 145: State = (inf, nan, 0.14), Action = global, Reward = 0.0169

Gen 146: State = (inf, nan, 0.16), Action = global, Reward = 0.0169

Gen 147: State = (inf, nan, 0.17), Action = global, Reward = 0.0169

Gen 148: State = (inf, nan, 0.16), Action = hybrid, Reward = 0.0169

Gen 149: State = (inf, nan, 0.1), Action = global, Reward = 0.0169

Run 28 - Makespan: 58.0

Gen 0: State = (inf, inf, 0.0), Action = global, Reward = 0.0172

Gen 1: State = (inf, nan, 0.31), Action = global, Reward = 0.0172

Gen 2: State = (inf, nan, 0.29), Action = global, Reward = 0.0172

Gen 3: State = (inf, nan, 0.26), Action = global, Reward = 0.0172

Gen 4: State = (inf, nan, 0.26), Action = local, Reward = 0.0172

Gen 5: State = (inf, nan, 0.18), Action = global, Reward = 0.0172

Gen 6: State = (inf, nan, 0.14), Action = global, Reward = 0.0172

Gen 7: State = (inf, nan, 0.13), Action = global, Reward = 0.0172

Gen 8: State = (inf, nan, 0.08), Action = global, Reward = 0.0172

Gen 9: State = (inf, nan, 0.12), Action = global, Reward = 0.0172

Gen 10: State = (inf, nan, 0.11), Action = global, Reward = 0.0172

Gen 11: State = (inf, nan, 0.1), Action = global, Reward = 0.0172

Gen 12: State = (inf, nan, 0.09), Action = global, Reward = 0.0172

Gen 13: State = (inf, nan, 0.08), Action = hybrid, Reward = 0.0172

Gen 14: State = (inf, nan, 0.09), Action = local, Reward = 0.0172

Gen 15: State = (inf, nan, 0.07), Action = global, Reward = 0.0172

Gen 16: State = (inf, nan, 0.11), Action = global, Reward = 0.0172

Gen 17: State = (inf, nan, 0.08), Action = global, Reward = 0.0172

Gen 18: State = (inf, nan, 0.1), Action = global, Reward = 0.0172

Gen 19: State = (inf, nan, 0.14), Action = global, Reward = 0.0172

Gen 20: State = (inf, nan, 0.06), Action = global, Reward = 0.0172

Gen 21: State = (inf, nan, 0.12), Action = global, Reward = 0.0172

Gen 22: State = (inf, nan, 0.1), Action = global, Reward = 0.0172

Gen 23: State = (inf, nan, 0.07), Action = hybrid, Reward = 0.0172

Gen 24: State = (inf, nan, 0.09), Action = global, Reward = 0.0172

Gen 25: State = (inf, nan, 0.08), Action = global, Reward = 0.0172

Gen 26: State = (inf, nan, 0.11), Action = global, Reward = 0.0172

Gen 27: State = (inf, nan, 0.1), Action = global, Reward = 0.0172

Gen 28: State = (inf, nan, 0.13), Action = global, Reward = 0.0172

Gen 29: State = (inf, nan, 0.1), Action = global, Reward = 0.0172

Gen 30: State = (inf, nan, 0.12), Action = global, Reward = 0.0172

Gen 31: State = (inf, nan, 0.14), Action = global, Reward = 0.0172

Gen 32: State = (inf, nan, 0.12), Action = global, Reward = 0.0172

Gen 33: State = (inf, nan, 0.14), Action = local, Reward = 0.0172

Gen 34: State = (inf, nan, 0.06), Action = global, Reward = 0.0172

Gen 35: State = (inf, nan, 0.16), Action = global, Reward = 0.0172

Gen 36: State = (inf, nan, 0.14), Action = global, Reward = 0.0172

Gen 37: State = (inf, nan, 0.1), Action = global, Reward = 0.0172

Gen 38: State = (inf, nan, 0.12), Action = global, Reward = 0.0172

Gen 39: State = (inf, nan, 0.14), Action = global, Reward = 0.0172

Gen 40: State = (inf, nan, 0.12), Action = global, Reward = 0.0172

Gen 41: State = (inf, nan, 0.16), Action = global, Reward = 0.0172

Gen 42: State = (inf, nan, 0.13), Action = global, Reward = 0.0172

Gen 43: State = (inf, nan, 0.13), Action = global, Reward = 0.0172

Gen 44: State = (inf, nan, 0.17), Action = global, Reward = 0.0172

Gen 45: State = (inf, nan, 0.14), Action = local, Reward = 0.0172

Gen 46: State = (inf, nan, 0.04), Action = global, Reward = 0.0172

Gen 47: State = (inf, nan, 0.13), Action = global, Reward = 0.0172

Gen 48: State = (inf, nan, 0.11), Action = hybrid, Reward = 0.0172

Gen 49: State = (inf, nan, 0.11), Action = global, Reward = 0.0172

Gen 50: State = (inf, nan, 0.14), Action = global, Reward = 0.0172

Gen 51: State = (inf, nan, 0.12), Action = global, Reward = 0.0172

Gen 52: State = (inf, nan, 0.14), Action = global, Reward = 0.0172

Gen 53: State = (inf, nan, 0.12), Action = global, Reward = 0.0172

Gen 54: State = (inf, nan, 0.17), Action = global, Reward = 0.0172

Gen 55: State = (inf, nan, 0.1), Action = global, Reward = 0.0172

Gen 56: State = (inf, nan, 0.14), Action = global, Reward = 0.0172

Gen 57: State = (inf, nan, 0.12), Action = global, Reward = 0.0172

Gen 58: State = (inf, nan, 0.1), Action = global, Reward = 0.0172

Gen 59: State = (inf, nan, 0.14), Action = global, Reward = 0.0172

Gen 60: State = (inf, nan, 0.1), Action = global, Reward = 0.0172

Gen 61: State = (inf, nan, 0.13), Action = global, Reward = 0.0172

Gen 62: State = (inf, nan, 0.11), Action = global, Reward = 0.0172

Gen 63: State = (inf, nan, 0.09), Action = global, Reward = 0.0172

Gen 64: State = (inf, nan, 0.13), Action = local, Reward = 0.0172

Gen 65: State = (inf, nan, 0.07), Action = global, Reward = 0.0172

Gen 66: State = (inf, nan, 0.14), Action = global, Reward = 0.0172

Gen 67: State = (inf, nan, 0.12), Action = global, Reward = 0.0172

Gen 68: State = (inf, nan, 0.09), Action = global, Reward = 0.0172

Gen 69: State = (inf, nan, 0.14), Action = global, Reward = 0.0172

Gen 70: State = (inf, nan, 0.15), Action = global, Reward = 0.0172

Gen 71: State = (inf, nan, 0.09), Action = global, Reward = 0.0172

Gen 72: State = (inf, nan, 0.12), Action = global, Reward = 0.0172

Gen 73: State = (inf, nan, 0.1), Action = global, Reward = 0.0172

Gen 74: State = (inf, nan, 0.12), Action = global, Reward = 0.0172

Gen 75: State = (inf, nan, 0.11), Action = global, Reward = 0.0172

Gen 76: State = (inf, nan, 0.15), Action = global, Reward = 0.0172

Gen 77: State = (inf, nan, 0.12), Action = global, Reward = 0.0172

Gen 78: State = (inf, nan, 0.09), Action = global, Reward = 0.0172

Gen 79: State = (inf, nan, 0.09), Action = global, Reward = 0.0172

Gen 80: State = (inf, nan, 0.11), Action = global, Reward = 0.0172

Gen 81: State = (inf, nan, 0.12), Action = global, Reward = 0.0172

Gen 82: State = (inf, nan, 0.1), Action = global, Reward = 0.0172

Gen 83: State = (inf, nan, 0.12), Action = global, Reward = 0.0172

Gen 84: State = (inf, nan, 0.08), Action = global, Reward = 0.0172

Gen 85: State = (inf, nan, 0.1), Action = local, Reward = 0.0172

Gen 86: State = (inf, nan, 0.09), Action = global, Reward = 0.0172

Gen 87: State = (inf, nan, 0.12), Action = global, Reward = 0.0172

Gen 88: State = (inf, nan, 0.1), Action = global, Reward = 0.0172

Gen 89: State = (inf, nan, 0.15), Action = global, Reward = 0.0172

Gen 90: State = (inf, nan, 0.12), Action = global, Reward = 0.0172

Gen 91: State = (inf, nan, 0.12), Action = global, Reward = 0.0172

Gen 92: State = (inf, nan, 0.11), Action = global, Reward = 0.0172

Gen 93: State = (inf, nan, 0.12), Action = global, Reward = 0.0172

Gen 94: State = (inf, nan, 0.11), Action = global, Reward = 0.0172

Gen 95: State = (inf, nan, 0.08), Action = global, Reward = 0.0172

Gen 96: State = (inf, nan, 0.11), Action = global, Reward = 0.0172

Gen 97: State = (inf, nan, 0.09), Action = global, Reward = 0.0172

Gen 98: State = (inf, nan, 0.11), Action = global, Reward = 0.0172

Gen 99: State = (inf, nan, 0.11), Action = global, Reward = 0.0172

Gen 100: State = (inf, nan, 0.13), Action = global, Reward = 0.0172

Gen 101: State = (inf, nan, 0.1), Action = global, Reward = 0.0172

Gen 102: State = (inf, nan, 0.1), Action = global, Reward = 0.0172

Gen 103: State = (inf, nan, 0.11), Action = global, Reward = 0.0172

Gen 104: State = (inf, nan, 0.13), Action = global, Reward = 0.0172

Gen 105: State = (inf, nan, 0.08), Action = global, Reward = 0.0172

Gen 106: State = (inf, nan, 0.1), Action = global, Reward = 0.0172

Gen 107: State = (inf, nan, 0.09), Action = global, Reward = 0.0172

Gen 108: State = (inf, nan, 0.11), Action = global, Reward = 0.0172

Gen 109: State = (inf, nan, 0.11), Action = global, Reward = 0.0172

Gen 110: State = (inf, nan, 0.14), Action = global, Reward = 0.0172

Gen 111: State = (inf, nan, 0.11), Action = global, Reward = 0.0172

Gen 112: State = (inf, nan, 0.11), Action = global, Reward = 0.0172

Gen 113: State = (inf, nan, 0.09), Action = local, Reward = 0.0172

Gen 114: State = (inf, nan, 0.04), Action = global, Reward = 0.0172

Gen 115: State = (inf, nan, 0.12), Action = hybrid, Reward = 0.0172

Gen 116: State = (inf, nan, 0.07), Action = global, Reward = 0.0172

Gen 117: State = (inf, nan, 0.11), Action = global, Reward = 0.0172

Gen 118: State = (inf, nan, 0.12), Action = global, Reward = 0.0172

Gen 119: State = (inf, nan, 0.11), Action = global, Reward = 0.0172

Gen 120: State = (inf, nan, 0.12), Action = global, Reward = 0.0172

Gen 121: State = (inf, nan, 0.14), Action = global, Reward = 0.0172

Gen 122: State = (inf, nan, 0.15), Action = global, Reward = 0.0172

Gen 123: State = (inf, nan, 0.14), Action = global, Reward = 0.0172

Gen 124: State = (inf, nan, 0.12), Action = global, Reward = 0.0172

Gen 125: State = (inf, nan, 0.12), Action = global, Reward = 0.0172

Gen 126: State = (inf, nan, 0.07), Action = global, Reward = 0.0172

Gen 127: State = (inf, nan, 0.1), Action = global, Reward = 0.0172

Gen 128: State = (inf, nan, 0.15), Action = global, Reward = 0.0172

Gen 129: State = (inf, nan, 0.13), Action = global, Reward = 0.0172

Gen 130: State = (inf, nan, 0.11), Action = hybrid, Reward = 0.0172

Gen 131: State = (inf, nan, 0.11), Action = global, Reward = 0.0172

Gen 132: State = (inf, nan, 0.13), Action = global, Reward = 0.0172

Gen 133: State = (inf, nan, 0.12), Action = global, Reward = 0.0172

Gen 134: State = (inf, nan, 0.08), Action = global, Reward = 0.0172

Gen 135: State = (inf, nan, 0.09), Action = global, Reward = 0.0172

Gen 136: State = (inf, nan, 0.11), Action = global, Reward = 0.0172

Gen 137: State = (inf, nan, 0.09), Action = global, Reward = 0.0172

Gen 138: State = (inf, nan, 0.11), Action = global, Reward = 0.0172

Gen 139: State = (inf, nan, 0.12), Action = global, Reward = 0.0172

Gen 140: State = (inf, nan, 0.1), Action = global, Reward = 0.0172

Gen 141: State = (inf, nan, 0.13), Action = global, Reward = 0.0172

Gen 142: State = (inf, nan, 0.11), Action = global, Reward = 0.0172

Gen 143: State = (inf, nan, 0.09), Action = global, Reward = 0.0172

Gen 144: State = (inf, nan, 0.11), Action = hybrid, Reward = 0.0172

Gen 145: State = (inf, nan, 0.1), Action = global, Reward = 0.0172

Gen 146: State = (inf, nan, 0.12), Action = global, Reward = 0.0172

Gen 147: State = (inf, nan, 0.11), Action = global, Reward = 0.0172

Gen 148: State = (inf, nan, 0.09), Action = global, Reward = 0.0172

Gen 149: State = (inf, nan, 0.12), Action = global, Reward = 0.0172

Run 29 - Makespan: 57.0

Gen 0: State = (inf, inf, 0.0), Action = global, Reward = 0.0169

Gen 1: State = (inf, nan, 0.37), Action = global, Reward = 0.0172

Gen 2: State = (inf, nan, 0.27), Action = global, Reward = 0.0172

Gen 3: State = (inf, nan, 0.24), Action = local, Reward = 0.0169

Gen 4: State = (inf, nan, 0.21), Action = global, Reward = 0.0169

Gen 5: State = (inf, nan, 0.18), Action = global, Reward = 0.0169

Gen 6: State = (inf, nan, 0.17), Action = global, Reward = 0.0169

Gen 7: State = (inf, nan, 0.1), Action = local, Reward = 0.0169

Gen 8: State = (inf, nan, 0.05), Action = global, Reward = 0.0169

Gen 9: State = (inf, nan, 0.07), Action = global, Reward = 0.0175

Gen 10: State = (inf, nan, 0.09), Action = global, Reward = 0.0169

Gen 11: State = (inf, nan, 0.09), Action = global, Reward = 0.0169

Gen 12: State = (inf, nan, 0.05), Action = global, Reward = 0.0169

Gen 13: State = (inf, nan, 0.06), Action = global, Reward = 0.0169

Gen 14: State = (inf, nan, 0.11), Action = global, Reward = 0.0169

Gen 15: State = (inf, nan, 0.08), Action = global, Reward = 0.0169

Gen 16: State = (inf, nan, 0.08), Action = local, Reward = 0.0172

Gen 17: State = (inf, nan, 0.06), Action = global, Reward = 0.0175

Gen 18: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 19: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 20: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 21: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 22: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 23: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 24: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 25: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 26: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 27: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 28: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 29: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 30: State = (inf, nan, 0.15), Action = local, Reward = 0.0175

Gen 31: State = (inf, nan, 0.09), Action = global, Reward = 0.0175

Gen 32: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 33: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 34: State = (inf, nan, 0.1), Action = local, Reward = 0.0175

Gen 35: State = (inf, nan, 0.07), Action = local, Reward = 0.0175

Gen 36: State = (inf, nan, 0.08), Action = hybrid, Reward = 0.0175

Gen 37: State = (inf, nan, 0.09), Action = global, Reward = 0.0175

Gen 38: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 39: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 40: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 41: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 42: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 43: State = (inf, nan, 0.19), Action = global, Reward = 0.0175

Gen 44: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 45: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 46: State = (inf, nan, 0.11), Action = hybrid, Reward = 0.0175

Gen 47: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 48: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 49: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 50: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 51: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 52: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 53: State = (inf, nan, 0.13), Action = hybrid, Reward = 0.0175

Gen 54: State = (inf, nan, 0.09), Action = global, Reward = 0.0175

Gen 55: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 56: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Gen 57: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 58: State = (inf, nan, 0.19), Action = global, Reward = 0.0175

Gen 59: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 60: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Gen 61: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 62: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 63: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 64: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 65: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 66: State = (inf, nan, 0.14), Action = local, Reward = 0.0175

Gen 67: State = (inf, nan, 0.06), Action = global, Reward = 0.0175

Gen 68: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 69: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Gen 70: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 71: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 72: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 73: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 74: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Gen 75: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 76: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Gen 77: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 78: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 79: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 80: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 81: State = (inf, nan, 0.13), Action = local, Reward = 0.0175

Gen 82: State = (inf, nan, 0.07), Action = hybrid, Reward = 0.0175

Gen 83: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 84: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 85: State = (inf, nan, 0.2), Action = hybrid, Reward = 0.0175

Gen 86: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 87: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 88: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 89: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 90: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 91: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 92: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 93: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 94: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 95: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 96: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 97: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 98: State = (inf, nan, 0.13), Action = local, Reward = 0.0175

Gen 99: State = (inf, nan, 0.08), Action = global, Reward = 0.0175

Gen 100: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 101: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 102: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 103: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 104: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 105: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 106: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 107: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 108: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 109: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 110: State = (inf, nan, 0.16), Action = local, Reward = 0.0175

Gen 111: State = (inf, nan, 0.05), Action = global, Reward = 0.0175

Gen 112: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 113: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 114: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Gen 115: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 116: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 117: State = (inf, nan, 0.14), Action = hybrid, Reward = 0.0175

Gen 118: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 119: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 120: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 121: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 122: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 123: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 124: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 125: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Gen 126: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 127: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 128: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 129: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 130: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 131: State = (inf, nan, 0.11), Action = hybrid, Reward = 0.0175

Gen 132: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 133: State = (inf, nan, 0.14), Action = global, Reward = 0.0175

Gen 134: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 135: State = (inf, nan, 0.12), Action = local, Reward = 0.0175

Gen 136: State = (inf, nan, 0.07), Action = global, Reward = 0.0175

Gen 137: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 138: State = (inf, nan, 0.11), Action = global, Reward = 0.0175

Gen 139: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 140: State = (inf, nan, 0.13), Action = global, Reward = 0.0175

Gen 141: State = (inf, nan, 0.1), Action = global, Reward = 0.0175

Gen 142: State = (inf, nan, 0.12), Action = global, Reward = 0.0175

Gen 143: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 144: State = (inf, nan, 0.18), Action = global, Reward = 0.0175

Gen 145: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Gen 146: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Gen 147: State = (inf, nan, 0.17), Action = global, Reward = 0.0175

Gen 148: State = (inf, nan, 0.16), Action = global, Reward = 0.0175

Gen 149: State = (inf, nan, 0.15), Action = global, Reward = 0.0175

Run 30 - Makespan: 56.0

Best solution fitness: (56.0, 162.0, 106.0)

Machine selection: [1, 3, 2, 1, 1, 3, 2, 2, 3, 3, 2, 2, 1, 3]

Operation sequence: [4, 8, 0, 3, 2, 5, 6, 9, 1, 7, 11, 10, 13, 12]

✅ Best Makespan Achieved: 56.0

Detailed Schedule Table:

Job Op Machine Start End Duration

0 2 0 1 0 17 17

1 4 0 3 0 10 10

2 0 0 1 17 32 15

3 1 1 1 32 48 16

4 1 0 2 0 12 12

5 2 1 3 10 25 15

6 3 0 2 12 36 24

7 4 1 3 25 35 10

8 0 1 3 35 44 9

9 3 1 2 48 54 6

10 5 1 2 54 61 7

11 5 0 2 61 68 7

12 7 0 3 44 52 8

13 6 0 1 48 54 6