The 6-16 Tables

This document contains all of the winning moves for almost all positions that are a subgroup of 6-16, with the exception of {12,15}, {15}, and {16}, not including those already covered by the 6-14 tables. As the results are longer than the 6-14 tables, it will be broken into smaller tables. Those containing 6, and those containing 7 will be resolved first, before the remaining cases.

6,7 Tables

Firstly, the positions containing both 6 and 7 must be taken care of. Fortunately, there are not too many remaining to sort through.

{6,7,8,17}: [9,10,11]
{6,7,9,17}: [8,10,11]
{6,7,10,15}: [8,9,11]
{6,7,11,15, (16)}: [8,9,10] (16 doesn't change outcome)
{6,7,11,16}: [8,9]
{6,7,29}: [16]

{6,7}	{17}	{23}	{}
{15,16}	[]	[17]	[17]
{15}	[16]	[]	[23]
{16}	[15]	[]	[]
{22}	[]	[15,16,17]	[16,17]
{}	[22]	[15,16]	[16]

15 tables

Containing 6:

{6,15}	{11,13}	{11}	{13}	{}
{8,10}	[]	[13]	[4,7,11]	[7]
{8}	[7,10]	[7]	[4]	[25]
{10,14}	[5,7,8]	[7]	[4,5]	[23]
{10}	[7,8]	[7]	[4]	[17]
{14}	[5]	[]	[4,5,9]	[11,16]
{}	[]	[13,14]	[4,11]	[9]

Containing 7

{7,15}	{9,11,13}	{9,11}	{9,13}	{9}	{11,13}	{11}	{13}	{}
{10,12}	[4]	[4]	[4,5,6]	[4,6]	[5,6,8]	[6]	[]	[13,16]
{10}	[4]	[4]	[4,5,6]	[4,6]	[5,6]	[6,8]	[12]	[33]
{12}	[6]	[6]	[5]	[]	[4,5]	[16,17,20]	[4,10]	[9]
{}	[6]	[6]	[5]	[12]	[4,5]	[38]	[4]	[16]

Remaining 15 tables:

{15}	{9,11,13}	{9,11}	{9,13}	{9}	{11,13}	{11}	{13}	{15}
{8,10,12,14}	[]	[13]	[11]	[]	[6,7,9]	[17]	[]	[9,13]
{8,10,12}	[14]	[]	[]	[11,13,14]	[6,7]	[9]	[9,14]	[29]
{8,10,14}	[12]	[]	[]	[11,12,13]	[6]	[7,9]	[9,12]	[27]
{8,10}	[]	[12,13,14]	[11,12,14]	[]	[6,9]	[7]	[17,19]	[9]
{8,12,14}	[10]	[]	[4]	[4,10,11]	[]	[9,13]	[10,11,17]	[18,19,21]
{8,12}	[]	[10,13,14]	[10,11]	[]	[9,14]	[17]	[]	[9,13]
{8,14}	[]	[10,12,13]	[4,10,11]	[4]	[9,12]	[]	[20,25]	[11]
{8}	[10,12,14]	[21]	[]	[10,12,13]	[17]	[14]	[9,12]	[97]
{10,12,14}	[8]	[]	[]	[8,11,13]	[]	[9,13,16]	[7,8,9,11]	[21]
{10,12}	[]	[8,13,14]	[8,11,14]	[26]	[9,14,16,17]	[]	[7]	[11]
{10,14}	[]	[8,12,13]	[8,11,12]	[]	[9,12,16,17]	[]	[]	[9,11,13]
{10}	[8,12,14]	[16,17,23]	[16,17,21]	[8,14,22]	[]	[12.13,14,19]	[11,14]	[5]
{12,14}	[16,17,19]	[8,10]	[4,6,10]	[4,7]	[8,10,18]	[6]	[32,33,34]	[20,37]
{12}	[8,10]	[16]	[17,20]	[6,7,8]	[6]	[10]	[8,19,22]	?
{14}	[8,10]	[]	[4,6]	[4,10,11]	[23]	[6,8,9,10]	[10,31]	[62,66]
{}	[16]	[14]	[8]	[6]	[6,10]	[102]	[17,55]	[5,?

16 Tables Containing 6:

{6,16}	{9,13}	{9}	{13,15}	{13}	{15}	{}
{11,14}	[4,7]	[4,7]	[5]	[5]	[19]	[21]
{11}	[4,7]	[4,7]	[20]	[10]	[25]	[37]
{14}	[17]	[19]	[4,5]	[5,7]	[]	[4,7,15]
{}	[]	[13,17,20]	[4,9]	[7,9]	[14]	[4,7]

Containing 7

{7,16}	{11,13,15}	{11,13}	{11,15}	{11}	{13,15}	{13}	{15}	{}
{10,12}	[5,6,8]	[5,8]	[6]	[]	[18]	[]	[]	[11,13,15]
{10}	[5,6]	[5]	[6,8]	[8,12]	[19]	[12,18]	[12]	[19]
{12}	[4,5]	[4,5]	[]	[10,15]	[4]	[4,6,10]	[9,10,11]	[6,17]
{16}	[4,5]	[4,5]	[12,20]	[31]	[4]	[4,6]	[]	[6,15]

Containing 9

{9,16}	{11,13,15}	{11,13}	{11,15}	{11}	{13,15}	{13}	{15}	{}
{10,12,14}	[8]	[17]	[17]	[8]	[17]	[8]	[5.8]	[5]
{10,12}	[17]	[8]	[8]	[17]	[8]	[17]	[5]	[5]
{10,14}	[17]	[8]	[8]	[17]	[8]	[]	[17,21,22]	[13]
{10}	[8]	[17]	[]	[15]	[]	[8,14,15]	[8,11,13]	[]
{12,14}	[]	[8,15]	[8,13]	[]	[4,11]	[]	[4,5,7]	[5,11,13]
{12}	[8,14]	[]	[]	[8,13,14,15]	[6]	[6,11,14]	[5,7,8,11]	[5]
{14}	[8,12]	[17,19,21]	[17,19,21]	[12]	[4]	[8,10,12]	[4]	[35,40]
{}	[]	[12,15]	[10,12,13]	[24]	[6,8,10,11]	[6]	[28,30]	[10]

Remaining 16 table:

{16}	{11,13,15}	{11,13}	{11,15}	{11}	{13,15}	{13}	{15}	{}
{10,12,14}	[17,18,19]	[]	[]	[7,13,15]	[8]	[7,11,18]	[7,11]	[8]
{10,12}	[]	[6,14,15]	[13,14,17,18,19]	[7]	[11]	[7]	[7]	[31]
{10,14}	[]	[12,15,17,18,19]	[12,13]	[]	[11,17,18]	[9,21]	[33]	[11,18,29]
{10}	[12,14,17,18,19]	[6]	[9]	[14]	[9,21]	[25,27]	[23,44]	[9,24]
{12,14}	[8,9]	[10,17,18,19]	[7,17]	[9]	[19,20,23]	[9]	[6]	[]
{12}	[10]	[8,9]	[7,9]	[19]	[8]	[21]	[65]	[8,14,18,22]
{14}	[10]	[20]	[8]	[10,19]	[33,35,36,37]	[17]	[6,7,25]	[8,12]
{}	[9]	[17,25]	[51]	[57,58]	[38]	[137,140]	[7]	?