

```

In[17]:= Needs["AGT`", FileNameJoin[{NotebookDirectory[], "agt.m"}]]

In[18]:= Flatten[
  Table[
    {{m, n}, GridGraph[{m, n}] // SmithSeq},
    {m, 2, 5, 1},
    {n, 2, 5, 1}
  ], 1] // Column
Out[18]= {{2, 2}, {1, 1, 4, 0}}
{{2, 3}, {1, 1, 1, 1, 15, 0}}
{{2, 4}, {1, 1, 1, 1, 1, 1, 56, 0}}
{{2, 5}, {1, 1, 1, 1, 1, 1, 1, 1, 209, 0}}
{{3, 2}, {1, 1, 1, 1, 15, 0}}
{{3, 3}, {1, 1, 1, 1, 1, 1, 8, 24, 0}}
{{3, 4}, {1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 2415, 0}}
{{3, 5}, {1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 30305, 0}}
{{4, 2}, {1, 1, 1, 1, 1, 1, 56, 0}}
{{4, 3}, {1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 2415, 0}}
{{4, 4}, {1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 4, 112, 224, 0}}
{{4, 5}, {1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 3, 1380027, 0}}
{{5, 2}, {1, 1, 1, 1, 1, 1, 1, 1, 209, 0}}
{{5, 3}, {1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 30305, 0}}
{{5, 4}, {1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 3, 1380027, 0}}
{{5, 5}, {1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 8, 8, 1320, 6600, 0}}

In[19]:= Export[
  StringJoin[
    StringDrop[
      NotebookFileName[], -3], ".pdf"],
  EvaluationNotebook[]
];

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