```
N = 130 = 2*5*13

By the Ibukiyama-Kitayama dimension formula,
 dim(S_4(K(130))) = 46

By the Skoruppa-Zagier dimension formula and Jacobi restriction,
 the lift dimension of S_4(K(130))^+ is 21
 the nonlift dimension of S_4(K(130))^+ is heuristically 22
 dim(S_4(K(130))^+) thus is heuristically 43
 dim(S_4(K(130))^-) is heuristically 3

The heuristic dimensions are correct by the spanning results to follow

dim(J_{2,130}^{cusp}) = 2 (Skoruppa-Zagier), so need to span to within 1 dimension

q = 7 for TraceDown
After TD(Grit(J_{4,910}^{cusp})) and (Grit(J_{2,130}^{cusp}))^2,
 spanned rank in S_4(K(130))^+ is 43
 spanned rank in S_4(K(130))^- is 0

Hecke operators applied: {{{2, 2}}, {{2, 2}, {2, 1}}}
After Hecke spreading,
 spanned rank in S_4(K(130))^- is 3

Final spanned rank in S_4(K(130))^+ is 43
Final spanned rank in S_4(K(130))^- is 3

--------------------------------------------------------------------------------

S_2(K(130)) is determined by Jacobi restriction and the H4Ndd(2,+) test
 (H_4(130,2,2)^+ = 0)

So S_2(K(130)) = Grit(J_{2,130}^{cusp}) (dimension 2)
```