```
N = 134 = 2*67

By the Ibukiyama-Kitayama dimension formula,
 dim(S_4(K(134))) = 47

By the Skoruppa-Zagier dimension formula and Jacobi restriction,
 the lift dimension of S_4(K(134))^+ is 23
 the nonlift dimension of S_4(K(134))^+ is heuristically 19
 dim(S_4(K(134))^+) thus is heuristically 42
 dim(S_4(K(134))^-) is heuristically 5

The heuristic dimensions are correct by the spanning results to follow

dim(J_{2,134}^{cusp}) = 2 (Skoruppa-Zagier), so need to span to within 1 dimension

q = 5 for TraceDown
After TD(Grit(J_{4,670}^{cusp})) and (Grit(J_{2,134}^{cusp}))^2,
 spanned rank in S_4(K(134))^+ is 42
 spanned rank in S_4(K(134))^- is 0

Hecke operators applied: {{{2, 2}}, {{2, 2}, {2, 1}}}
After Hecke spreading,
 spanned rank in S_4(K(134))^- is 4

After Borcherds products,
 spanned rank in S_4(K(134))^- is 5

Final spanned rank in S_4(K(134))^+ is 42
Final spanned rank in S_4(K(134))^- is 5

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

S_2(K(134)) is determined by Jacobi restriction and the H4Ndd(2,+) test
 (H_4(134,2,2)^+ = 0)

So S_2(K(134)) = Grit(J_{2,134}^{cusp}) (dimension 2)
```