```
N = 219 = 3*73

By the Ibukiyama-Kitayama dimension formula,
 dim(S_4(K(219))) = 111

By the Skoruppa-Zagier dimension formula and Jacobi restriction,
 the lift dimension of S_4(K(219))^+ is 40
 the nonlift dimension of S_4(K(219))^+ is heuristically 58
 dim(S_4(K(219))^+) thus is heuristically 98
 dim(S_4(K(219))^-) is heuristically 13

The heuristic dimensions are correct by the spanning results to follow

dim(J_{2,219}^{cusp}) = 5 (Skoruppa-Zagier), so need to span to within 4 dimensions

q = 5 for TraceDown
After TD(Grit(J_{4,1095}^{cusp})) and (Grit(J_{2,219}^{cusp}))^2,
 spanned rank in S_4(K(219))^+ is 98
 spanned rank in S_4(K(219))^- is 0

Hecke operators applied: {{{3, 2}}}
After Hecke spreading,
 spanned rank in S_4(K(219))^- is 7

After Borcherds products,
 spanned rank in S_4(K(219))^- is 13

Final spanned rank in S_4(K(219))^+ is 98
Final spanned rank in S_4(K(219))^- is 13

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

S_2(K(219)) is determined by Jacobi restriction and the H4Ndd(2,+) test
 (H_4(219,2,2)^+ = 0)

So S_2(K(219)) = Grit(J_{2,219}^{cusp}) (dimension 5)
```