```
N = 221 = 13*17

By the Ibukiyama-Kitayama dimension formula,
 dim(S_4(K(221))) = 104

By the Skoruppa-Zagier dimension formula and Jacobi restriction,
 the lift dimension of S_4(K(221))^+ is 40
 the nonlift dimension of S_4(K(221))^+ is heuristically 55
 dim(S_4(K(221))^+) thus is heuristically 95
 dim(S_4(K(221))^-) is heuristically 9

dim(J_{2,221}^{cusp}) = 5 (Skoruppa-Zagier), so need to span to within 4 dimensions

q = 5 for TraceDown
After TD(Grit(J_{4,1105}^{cusp})) and (Grit(J_{2,221}^{cusp}))^2,
 spanned rank in S_4(K(221))^+ is 95
 spanned rank in S_4(K(221))^- is 0

After Borcherds products,
 spanned rank in S_4(K(221))^- is 6

Final spanned rank in S_4(K(221))^+ is 95
Final spanned rank in S_4(K(221))^- is 6

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

S_2(K(221))^+ is determined by Jacobi restriction and the H4Nd1(3,+) test
 (dim(H_4(221,3,1)^+) <= 4 and this is less than dim(J_{2,221}^{cusp})+1 = 6)
S_2(K(221))^- = 0 by Jacobi restriction and the H4Nd1(1,-) test
 (dim(H_4(221,1,1)^-) <= 3 and this is less than dim(J_{2,221}^{cusp}) = 5)

So S_2(K(221)) = Grit(J_{2,221}^{cusp}) (dimension 5)
```