```
N = 110 = 2*5*11

By the Ibukiyama-Kitayama dimension formula,
 dim(S_4(K(110))) = 28

By the Skoruppa-Zagier dimension formula and Jacobi restriction,
 the lift dimension of S_4(K(110))^+ is 15
 the nonlift dimension of S_4(K(110))^+ is heuristically 10
 dim(S_4(K(110))^+) thus is heuristically 25
 dim(S_4(K(110))^-) is heuristically 3

The heuristic dimensions are correct by the spanning results to follow

dim(J_{2,110}^{cusp}) = 0 (Skoruppa-Zagier), so need to span completely

q = 13 for TraceDown
After TD(Grit(J_{4,1430}^{cusp})) and (Grit(J_{2,110}^{cusp}))^2,
 spanned rank in S_4(K(110))^+ is 25
 spanned rank in S_4(K(110))^- is 0

After Borcherds products,
 spanned rank in S_4(K(110))^- is 3

Final spanned rank in S_4(K(110))^+ is 25
Final spanned rank in S_4(K(110))^- is 3

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

S_2(K(110)) is determined by Jacobi restriction and the H4Ndd(1,+) test
 (H_4(110,1,1)^+ = 0)

So S_2(K(110)) = Grit(J_{2,110}^{cusp}) (dimension 0)
```