```
N = 85 = 5*17

By the Ibukiyama-Kitayama dimension formula,
 dim(S_4(K(85))) = 24

By the Skoruppa-Zagier dimension formula and Jacobi restriction,
 the lift dimension of S_4(K(85))^+ is 15
 the nonlift dimension of S_4(K(85))^+ is heuristically 9
 dim(S_4(K(85))^+) thus is heuristically 24
 dim(S_4(K(85))^-) is heuristically 0

The heuristic dimensions are correct by the spanning results to follow

dim(J_{2,85}^{cusp}) = 2 (Skoruppa-Zagier), so need to span to within 1 dimension

q = 7 for TraceDown
After TD(Grit(J_{4,595}^{cusp})) and (Grit(J_{2,85}^{cusp}))^2,
 spanned rank in S_4(K(85))^+ is 24
 spanned rank in S_4(K(85))^- is 0

Final spanned rank in S_4(K(85))^+ is 24
Final spanned rank in S_4(K(85))^- is 0

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

S_2(K(85)) is determined by Jacobi restriction and the H4Ndd(2,+) test
 (H_4(85,2,2)^+ = 0)

So S_2(K(85)) = Grit(J_{2,85}^{cusp}) (dimension 2)
```