```
N = 285 = 3*5*19
By the Ibukiyama-Kitayama dimension formula,
dim(S_4(K(285))) = 169
By the Skoruppa-Zagier dimension formula and Jacobi restriction,
 the lift dimension of S 4(K(285))^+ is 47
 the nonlift dimension of S_4(K(285))^+ is heuristically 97
 dim(S_4(K(285))^+) thus is heuristically 144
 dim(S 4(K(285))^-) is heuristically 25
dim(J_{2,285}^{cusp}) = 3 (Skoruppa-Zagier), so need to span to within 2 dimensions
q = 7 for TraceDown
After TD(Grit(J_{4,1995}^{cusp})) and (Grit(J_{2,285}^{cusp}))^2,
 spanned rank in S_4(K(285))^+ is 143
 spanned rank in S_4(K(285))^- is 0
Hecke operators applied: {{{3, 2}}}
After Hecke spreading,
 spanned rank in S_4(K(285))^- is 4
After Borcherds products,
 spanned rank in S 4(K(285))^- is 24
Final spanned rank in S_4(K(285))^+ is 143
Final spanned rank in S_4(K(285))^- is 24
S_2(K(285))^+ is determined by Jacobi restriction and the H4Nd1(2,+) test
 (\dim(H_4(285,2,1)^+) \le 3 and this is less than \dim(J_{2,285}^+(cusp)) + 1 = 4)
S_2(K(285))^- = 0 by Jacobi restriction and the H4Nd1(1,-) test
 (\dim(H_4(285,1,1)^-) <= 2 \text{ and this is less than } \dim(J_{2,285}^{cusp}) = 3)
```

So $S_2(K(285)) = Grit(J_{2,285})^{cusp}$ (dimension 3)