

$$A_{13.2} \pmod{11}$$
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|                   | $\varphi_4$ |
|-------------------|-------------|
| $13^1$            | .           |
| $1^1 12^1$        | .           |
| $2^1 11^1$        | .           |
| $1^2 11^1$        | .           |
| $3^1 10^1$        | .           |
| $1^1 2^1 10^1$    | .           |
| $1^3 10^1$        | .           |
| $4^1 9^1$         | .           |
| $1^1 3^1 9^1$     | .           |
| $2^2 9^1$         | .           |
| $1^2 2^1 9^1$     | .           |
| $1^4 9^1$         | .           |
| $5^1 8^1$         | .           |
| $1^1 4^1 8^1$     | .           |
| $2^1 3^1 8^1$     | .           |
| $1^2 3^1 8^1$     | .           |
| $1^1 2^2 8^1$     | .           |
| $1^3 2^1 8^1$     | .           |
| $1^5 8^1$         | .           |
| $6^1 7^1$         | .           |
| $1^1 5^1 7^1$     | .           |
| $2^1 4^1 7^1$     | .           |
| $1^2 4^1 7^1$     | .           |
| $3^2 7^1$         | .           |
| $1^1 2^1 3^1 7^1$ | .           |
| $1^3 3^1 7^1$     | .           |
| $2^3 7^1$         | .           |
| $1^2 2^2 7^1$     | .           |
| $1^4 2^1 7^1$     | .           |
| $1^6 7^1$         | .           |
| $1^1 6^2$         | .           |
| $2^1 5^1 6^1$     | .           |
| $1^2 5^1 6^1$     | .           |
| $3^1 4^1 6^1$     | .           |
| $1^1 2^1 4^1 6^1$ | .           |
| $1^3 4^1 6^1$     | .           |
| $1^1 3^2 6^1$     | .           |
| $2^2 3^1 6^1$     | .           |
| $1^2 2^1 3^1 6^1$ | .           |
| $1^4 3^1 6^1$     | .           |



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|                   | $\varphi_{83}$ | $\varphi_{77}$ | $\varphi_{95}$ | $\varphi_{87}$ | $\varphi_{27}$ | $\varphi_{68}$ | $\varphi_{74}$ | $\varphi_{29}$ | $\varphi_{33}$ | $\varphi_{12}$ | $\varphi_{37}$ | $\varphi_{49}$ | $\varphi_{72}$ | $\varphi_{53}$ |
|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| $1^1 2^3 6^1$     | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^3 2^2 6^1$     | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^5 2^1 6^1$     | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^7 6^1$         | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $3^1 5^2$         | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^1 2^1 5^2$     | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^3 5^2$         | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $4^2 5^1$         | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^1 3^1 4^1 5^1$ | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $2^2 4^1 5^1$     | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^2 2^1 4^1 5^1$ | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^4 4^1 5^1$     | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $2^1 3^2 5^1$     | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^2 3^2 5^1$     | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^1 2^2 3^1 5^1$ | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^3 2^1 3^1 5^1$ | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^5 3^1 5^1$     | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $2^4 5^1$         | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^2 2^3 5^1$     | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^4 2^2 5^1$     | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^6 2^1 5^1$     | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^8 5^1$         | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^1 4^3$         | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $2^1 3^1 4^2$     | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^2 3^1 4^2$     | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^1 2^2 4^2$     | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^3 2^1 4^2$     | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^5 4^2$         | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $3^3 4^1$         | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^1 2^1 3^2 4^1$ | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^3 3^2 4^1$     | 1              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $2^3 3^1 4^1$     | .              | 1              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^2 2^2 3^1 4^1$ | .              | .              | 1              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^4 2^1 3^1 4^1$ | .              | .              | .              | 1              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^6 3^1 4^1$     | .              | .              | .              | .              | 1              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^1 2^4 4^1$     | .              | .              | .              | .              | .              | 1              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^3 2^3 4^1$     | .              | .              | .              | .              | .              | .              | 1              | .              | .              | .              | .              | .              | .              | .              |
| $1^5 2^2 4^1$     | .              | .              | .              | .              | .              | .              | .              | 1              | .              | .              | .              | .              | .              | .              |
| $1^7 2^1 4^1$     | .              | .              | .              | .              | .              | .              | .              | .              | 1              | .              | .              | .              | .              | .              |
| $1^9 4^1$         | .              | .              | .              | .              | .              | .              | .              | .              | .              | 1              | .              | .              | .              | .              |

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|                   | $\varphi_4$ |
|-------------------|-------------|
| $1^1 2^3 6^1$     | .           |
| $1^3 2^2 6^1$     | .           |
| $1^5 2^1 6^1$     | .           |
| $1^7 6^1$         | .           |
| $3^1 5^2$         | .           |
| $1^1 2^1 5^2$     | .           |
| $1^3 5^2$         | .           |
| $4^2 5^1$         | .           |
| $1^1 3^1 4^1 5^1$ | .           |
| $2^2 4^1 5^1$     | .           |
| $1^2 2^1 4^1 5^1$ | .           |
| $1^4 4^1 5^1$     | .           |
| $2^1 3^2 5^1$     | .           |
| $1^2 3^2 5^1$     | .           |
| $1^1 2^2 3^1 5^1$ | .           |
| $1^3 2^1 3^1 5^1$ | .           |
| $1^5 3^1 5^1$     | .           |
| $2^4 5^1$         | .           |
| $1^2 2^3 5^1$     | .           |
| $1^4 2^2 5^1$     | .           |
| $1^6 2^1 5^1$     | .           |
| $1^8 5^1$         | .           |
| $1^1 4^3$         | .           |
| $2^1 3^1 4^2$     | .           |
| $1^2 3^1 4^2$     | .           |
| $1^1 2^2 4^2$     | .           |
| $1^3 2^1 4^2$     | .           |
| $1^5 4^2$         | .           |
| $3^3 4^1$         | .           |
| $1^1 2^1 3^2 4^1$ | .           |
| $1^3 3^2 4^1$     | .           |
| $2^3 3^1 4^1$     | .           |
| $1^2 2^2 3^1 4^1$ | .           |
| $1^4 2^1 3^1 4^1$ | .           |
| $1^6 3^1 4^1$     | .           |
| $1^1 2^4 4^1$     | .           |
| $1^3 2^3 4^1$     | .           |
| $1^5 2^2 4^1$     | .           |
| $1^7 2^1 4^1$     | .           |
| $1^9 4^1$         | .           |



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|               | $\varphi_4$ |
|---------------|-------------|
| $1^1 3^4$     | .           |
| $2^2 3^3$     | .           |
| $1^2 2^1 3^3$ | .           |
| $1^4 3^3$     | .           |
| $1^1 2^3 3^2$ | .           |
| $1^3 2^2 3^2$ | .           |
| $1^5 2^1 3^2$ | .           |
| $1^7 3^2$     | .           |
| $2^5 3^1$     | .           |
| $1^2 2^4 3^1$ | .           |
| $1^4 2^3 3^1$ | .           |
| $1^6 2^2 3^1$ | .           |
| $1^8 2^1 3^1$ | .           |
| $1^{10} 3^1$  | .           |
| $1^1 2^6$     | .           |
| $1^3 2^5$     | .           |
| $1^5 2^4$     | .           |
| $1^7 2^3$     | .           |
| $1^9 2^2$     | 1           |
| $1^{11} 2^1$  | 1           |
| $1^{13}$      | .           |