

$$S_{11} \pmod{7}$$

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|                   | $\varphi_{21}$ | $\varphi_{26}$ | $\varphi_{30}$ | $\varphi_{37}$ | $\varphi_{35}$ | $\varphi_{41}$ | $\varphi_{51}$ | $\varphi_{29}$ | $\varphi_{45}$ | $\varphi_{47}$ | $\varphi_{12}$ | $\varphi_{27}$ | $\varphi_{10}$ | $\varphi_{17}$ |
|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| $11^1$            | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^1 10^1$        | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $2^1 9^1$         | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^2 9^1$         | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $3^1 8^1$         | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^1 2^1 8^1$     | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^3 8^1$         | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $4^1 7^1$         | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^1 3^1 7^1$     | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $2^2 7^1$         | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^2 2^1 7^1$     | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^4 7^1$         | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $5^1 6^1$         | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^1 4^1 6^1$     | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $2^1 3^1 6^1$     | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^2 3^1 6^1$     | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^1 2^2 6^1$     | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^3 2^1 6^1$     | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^5 6^1$         | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^1 5^2$         | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $2^1 4^1 5^1$     | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^2 4^1 5^1$     | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $3^2 5^1$         | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^1 2^1 3^1 5^1$ | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^3 3^1 5^1$     | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $2^3 5^1$         | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^2 2^2 5^1$     | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^4 2^1 5^1$     | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^6 5^1$         | 1              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $3^1 4^2$         | .              | 1              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^1 2^1 4^2$     | .              | .              | 1              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^3 4^2$         | .              | .              | .              | 1              | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^1 3^2 4^1$     | .              | .              | .              | .              | 1              | .              | .              | .              | .              | .              | .              | .              | .              | .              |
| $2^2 3^1 4^1$     | .              | .              | .              | .              | .              | 1              | .              | .              | .              | .              | .              | .              | .              | .              |
| $1^2 2^1 3^1 4^1$ | .              | .              | .              | .              | .              | .              | 1              | .              | .              | .              | .              | .              | .              | .              |
| $1^4 3^1 4^1$     | .              | .              | .              | 1              | .              | .              | .              | 1              | .              | .              | .              | .              | .              | .              |
| $1^1 2^3 4^1$     | .              | .              | .              | .              | .              | .              | .              | .              | 1              | .              | .              | .              | .              | .              |
| $1^3 2^2 4^1$     | .              | .              | .              | .              | .              | .              | .              | .              | .              | 1              | .              | .              | .              | .              |
| $1^5 2^1 4^1$     | .              | .              | .              | .              | .              | .              | .              | 1              | .              | .              | 1              | .              | .              | .              |
| $1^7 4^1$         | .              | .              | .              | .              | .              | .              | .              | .              | .              | .              | 1              | .              | .              | .              |

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