> # *Set the parameters and functions*
```
c := 'c':
d := 'd':
u := 'u':
```
$$A3 := (18720000\,c - 80956800)\,u^8 + (176745600\,c^2 - 6240000\,d^3 - 647654400\,d)\,u^7$$
$$+ (634313280\,c^3 - 15600000\,d^5 - 1176000\,d^4 - 2354031288\,d^2)\,u^6 + (13520000\,c^7$$
$$+ 53931720\,c^5 + 1337989263\,c^4 - 39748800\,d^6 - 4908124242\,d^3)\,u^5 + (19057600\,c^8$$
$$+ 1811905842\,c^5 - 1040000\,d^9 - 67326600\,d^7 - 96837975\,d^6 - 6154340220\,d^4)\,u^4$$
$$+ (8818680\,c^9 + 1818349920\,c^6 - 27319303\,d^8 - 293560866\,d^7 - 4215672132\,d^5)\,u^3$$
$$+ (4743960\,c^9 + 1236182406\,c^7 - 245815371\,d^8 - 825700176\,d^6)\,u^2 + (293412585\,c^8$$
$$+ 680615046\,c^7 - 97960200\,d^9)\,u + 324192756\,c^8 - 74624160\,d^9:$$

```
print(Output);
```
# *find Sturm's sequence``*
for *j* **from** 0 **by** 1 **to** 99 **do**
$$c := \frac{401}{100} + \frac{j}{100} \cdot \left(\frac{404}{100} - \frac{401}{100} \right):$$
$$d := \frac{401}{100} + \frac{j+1}{100} \cdot \left(\frac{404}{100} - \frac{401}{100} \right):$$
```
u := 'u':
S := sturmseq(A3, u);
```
$$signnum := sturm\left(S, u, 0, \frac{55}{10} \right);$$
```
with(ArrayTools):
Slength := Size(S, 2);
X := Array(1 .. Slength);
Y := Array(1 .. Slength);
```

    for i **from** 1 **to** Slength **do**
# *Find sgn* $\left[s_{,A_{3,i}}(0) \right]$
```
    u := 0;
    X[i] := signum(S[i]);
```
Find sgn $\left[s_{,A_{3,i}}(5.5) \right]$
$$u := \frac{55}{10}:$$
```
    Y[i] := signum(S[i]);
end do;
```
$print([\,'a'[j], 'a'[j+1], sgn(s['A'[3,j]](0)), sgn(s['A'[3,j]](5.5))] = [evalf(c, 5), evalf(d, 5), X,$
    $Y]\,)\ ;$
end do:

Output

$$\left[a_0, a_1, sgn\left(s_{A_{3,0}}(0)\right), sgn\left(s_{A_{3,0}}(5.5)\right) \right] = \left[4.0100, 4.0103, [\ 1\ \ 1\ \ 1\ \ -1\ \ 1\ \ 1\ \ -1\ \ -1\ \ -1\ ], [\ 1\ \ -1\ \ -1\ \ 1\ \ 1\ \ 1\ \ -1\ \ -1\ \ -1\ ] \right]$$

$$\left[a_1, a_2, sgn\left(s_{A_{3,1}}(0)\right), sgn\left(s_{A_{3,1}}(5.5)\right) \right] = \left[4.0103, 4.0106, [\ 1\ \ 1\ \ 1\ \ -1\ \ 1\ \ 1\ \ -1\ \ -1\ \ -1\ ], [\ 1\ \ -1\ \ -1\ \ 1\ \ 1\ \ 1\ \ -1\ \ -1\ \ -1\ ] \right]$$

$$\left[a_2, a_3, sgn\left(s_{A_{3,2}}(0)\right), sgn\left(s_{A_{3,2}}(5.5)\right) \right] = \left[4.0106, 4.0109, [\ 1\ \ 1\ \ 1\ \ -1\ \ 1\ \ 1\ \ -1\ \ -1\ \ -1\ ], [\ 1\ \ -1\ \ -1\ \ 1\ \ 1\ \ 1\ \ -1\ \ -1\ \ -1\ ] \right]$$

$$\left[a_3, a_4, sgn\left(s_{A_{3,3}}(0)\right), sgn\left(s_{A_{3,3}}(5.5)\right) \right] = \left[4.0109, 4.0112, [\ 1\ \ 1\ \ 1\ \ -1\ \ 1\ \ 1\ \ -1\ \ -1\ \ -1\ ], [\ 1\ \ -1\ \ -1\ \ 1\ \ 1\ \ 1\ \ -1\ \ -1\ \ -1\ ] \right]$$

$$\left[a_4, a_5, sgn\left(s_{A_{3,4}}(0)\right), sgn\left(s_{A_{3,4}}(5.5)\right)\right] = \left[4.0112, 4.0115, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_5, a_6, sgn\left(s_{A_{3,5}}(0)\right), sgn\left(s_{A_{3,5}}(5.5)\right)\right] = \left[4.0115, 4.0118, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_6, a_7, sgn\left(s_{A_{3,6}}(0)\right), sgn\left(s_{A_{3,6}}(5.5)\right)\right] = \left[4.0118, 4.0121, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_7, a_8, sgn\left(s_{A_{3,7}}(0)\right), sgn\left(s_{A_{3,7}}(5.5)\right)\right] = \left[4.0121, 4.0124, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_8, a_9, sgn\left(s_{A_{3,8}}(0)\right), sgn\left(s_{A_{3,8}}(5.5)\right)\right] = \left[4.0124, 4.0127, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_9, a_{10}, sgn\left(s_{A_{3,9}}(0)\right), sgn\left(s_{A_{3,9}}(5.5)\right)\right] = \left[4.0127, 4.0130, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{10}, a_{11}, sgn\left(s_{A_{3,10}}(0)\right), sgn\left(s_{A_{3,10}}(5.5)\right)\right] = \left[4.0130, 4.0133, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{11}, a_{12}, sgn\left(s_{A_{3,11}}(0)\right), sgn\left(s_{A_{3,11}}(5.5)\right)\right] = \left[4.0133, 4.0136, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{12}, a_{13}, sgn\left(s_{A_{3,12}}(0)\right), sgn\left(s_{A_{3,12}}(5.5)\right)\right] = \left[4.0136, 4.0139, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{13}, a_{14}, sgn\left(s_{A_{3,13}}(0)\right), sgn\left(s_{A_{3,13}}(5.5)\right)\right] = \left[4.0139, 4.0142, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{14}, a_{15}, sgn\left(s_{A_{3,14}}(0)\right), sgn\left(s_{A_{3,14}}(5.5)\right)\right] = \left[4.0142, 4.0145, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{15}, a_{16}, sgn\left(s_{A_{3,15}}(0)\right), sgn\left(s_{A_{3,15}}(5.5)\right)\right] = \left[4.0145, 4.0148, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{16}, a_{17}, sgn\left(s_{A_{3,16}}(0)\right), sgn\left(s_{A_{3,16}}(5.5)\right)\right] = \left[4.0148, 4.0151, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{17}, a_{18}, sgn\left(s_{A_{3,17}}(0)\right), sgn\left(s_{A_{3,17}}(5.5)\right)\right] = \left[4.0151, 4.0154, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{18}, a_{19}, sgn\left(s_{A_{3,18}}(0)\right), sgn\left(s_{A_{3,18}}(5.5)\right)\right] = \left[4.0154, 4.0157, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{19}, a_{20}, sgn\left(s_{A_{3,19}}(0)\right), sgn\left(s_{A_{3,19}}(5.5)\right)\right] = \left[4.0157, 4.0160, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{20}, a_{21}, sgn\left(s_{A_{3,20}}(0)\right), sgn\left(s_{A_{3,20}}(5.5)\right)\right] = \left[4.0160, 4.0163, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{21}, a_{22}, sgn\left(s_{A_{3,21}}(0)\right), sgn\left(s_{A_{3,21}}(5.5)\right)\right] = \left[4.0163, 4.0166, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{22}, a_{23}, sgn\left(s_{A_{3,22}}(0)\right), sgn\left(s_{A_{3,22}}(5.5)\right)\right] = \left[4.0166, 4.0169, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{23}, a_{24}, sgn\left(s_{A_{3,23}}(0)\right), sgn\left(s_{A_{3,23}}(5.5)\right)\right] = \left[4.0169, 4.0172, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{24}, a_{25}, sgn\left(s_{A_{3,24}}(0)\right), sgn\left(s_{A_{3,24}}(5.5)\right)\right] = \left[4.0172, 4.0175, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{25}, a_{26}, sgn\left(s_{A_{3,25}}(0)\right), sgn\left(s_{A_{3,25}}(5.5)\right)\right] = \left[4.0175, 4.0178, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{26}, a_{27}, sgn\left(s_{A_{3,26}}(0)\right), sgn\left(s_{A_{3,26}}(5.5)\right)\right] = \left[4.0178, 4.0181, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{27}, a_{28}, sgn\left(s_{A_{3,27}}(0)\right), sgn\left(s_{A_{3,27}}(5.5)\right)\right] = \left[4.0181, 4.0184, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{28}, a_{29}, sgn\left(s_{A_{3,28}}(0)\right), sgn\left(s_{A_{3,28}}(5.5)\right)\right] = \left[4.0184, 4.0187, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{29}, a_{30}, sgn\left(s_{A_{3,29}}(0)\right), sgn\left(s_{A_{3,29}}(5.5)\right)\right] = \left[4.0187, 4.0190, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{30}, a_{31}, sgn\left(s_{A_{3,30}}(0)\right), sgn\left(s_{A_{3,30}}(5.5)\right)\right] = \left[4.0190, 4.0193, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{31}, a_{32}, sgn\left(s_{A_{3,31}}(0)\right), sgn\left(s_{A_{3,31}}(5.5)\right)\right] = \left[4.0193, 4.0196, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{32}, a_{33}, sgn\left(s_{A_{3,32}}(0)\right), sgn\left(s_{A_{3,32}}(5.5)\right)\right] = \left[4.0196, 4.0199, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{33}, a_{34}, sgn\left(s_{A_{3,33}}(0)\right), sgn\left(s_{A_{3,33}}(5.5)\right)\right] = \left[4.0199, 4.0202, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{34}, a_{35}, sgn\left(s_{A_{3,34}}(0)\right), sgn\left(s_{A_{3,34}}(5.5)\right)\right] = \left[4.0202, 4.0205, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{35}, a_{36}, sgn\left(s_{A_{3,35}}(0)\right), sgn\left(s_{A_{3,35}}(5.5)\right)\right] = \left[4.0205, 4.0208, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$\left[a_{36}, a_{37}, sgn\left(s_{A_{3,36}}(0)\right), sgn\left(s_{A_{3,36}}(5.5)\right)\right] = \left[4.0208, 4.0211, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$

$\left[a_{37}, a_{38}, sgn\left(s_{A_{3,37}}(0)\right), sgn\left(s_{A_{3,37}}(5.5)\right)\right] = \left[4.0211, 4.0214, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$

$\left[a_{38}, a_{39}, sgn\left(s_{A_{3,38}}(0)\right), sgn\left(s_{A_{3,38}}(5.5)\right)\right] = \left[4.0214, 4.0217, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$

$\left[a_{39}, a_{40}, sgn\left(s_{A_{3,39}}(0)\right), sgn\left(s_{A_{3,39}}(5.5)\right)\right] = \left[4.0217, 4.0220, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$

$\left[a_{40}, a_{41}, sgn\left(s_{A_{3,40}}(0)\right), sgn\left(s_{A_{3,40}}(5.5)\right)\right] = \left[4.0220, 4.0223, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$

$\left[a_{41}, a_{42}, sgn\left(s_{A_{3,41}}(0)\right), sgn\left(s_{A_{3,41}}(5.5)\right)\right] = \left[4.0223, 4.0226, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$

$\left[a_{42}, a_{43}, sgn\left(s_{A_{3,42}}(0)\right), sgn\left(s_{A_{3,42}}(5.5)\right)\right] = \left[4.0226, 4.0229, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$

$\left[a_{43}, a_{44}, sgn\left(s_{A_{3,43}}(0)\right), sgn\left(s_{A_{3,43}}(5.5)\right)\right] = \left[4.0229, 4.0232, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$

$\left[a_{44}, a_{45}, sgn\left(s_{A_{3,44}}(0)\right), sgn\left(s_{A_{3,44}}(5.5)\right)\right] = \left[4.0232, 4.0235, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$

$\left[a_{45}, a_{46}, sgn\left(s_{A_{3,45}}(0)\right), sgn\left(s_{A_{3,45}}(5.5)\right)\right] = \left[4.0235, 4.0238, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$

$\left[a_{46}, a_{47}, sgn\left(s_{A_{3,46}}(0)\right), sgn\left(s_{A_{3,46}}(5.5)\right)\right] = \left[4.0238, 4.0241, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$

$\left[a_{47}, a_{48}, sgn\left(s_{A_{3,47}}(0)\right), sgn\left(s_{A_{3,47}}(5.5)\right)\right] = \left[4.0241, 4.0244, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$

$\left[a_{48}, a_{49}, sgn\left(s_{A_{3,48}}(0)\right), sgn\left(s_{A_{3,48}}(5.5)\right)\right] = \left[4.0244, 4.0247, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$

$\left[a_{49}, a_{50}, sgn\left(s_{A_{3,49}}(0)\right), sgn\left(s_{A_{3,49}}(5.5)\right)\right] = \left[4.0247, 4.0250, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$

$\left[a_{50}, a_{51}, sgn\left(s_{A_{3,50}}(0)\right), sgn\left(s_{A_{3,50}}(5.5)\right)\right] = \left[4.0250, 4.0253, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & -1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$

$\left[a_{51}, a_{52}, sgn\left(s_{A_{3,51}}(0)\right), sgn\left(s_{A_{3,51}}(5.5)\right)\right] = \left[4.0253, 4.0256, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} \mathbf{1} & \mathbf{1} & \mathbf{-1} & \mathbf{1} & \mathbf{1} & \mathbf{1} & \mathbf{-1} & \mathbf{-1} & \mathbf{-1} \end{bmatrix}\right]$

$\left[a_{52}, a_{53}, sgn\left(s_{A_{3,52}}(0)\right), sgn\left(s_{A_{3,52}}(5.5)\right)\right] = \left[4.0256, 4.0259, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$

$\left[a_{53}, a_{54}, sgn\left(s_{A_{3,53}}(0)\right), sgn\left(s_{A_{3,53}}(5.5)\right)\right] = \left[4.0259, 4.0262, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$

$\left[a_{54}, a_{55}, sgn\left(s_{A_{3,54}}(0)\right), sgn\left(s_{A_{3,54}}(5.5)\right)\right] = \left[4.0262, 4.0265, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$

$\left[a_{55}, a_{56}, sgn\left(s_{A_{3,55}}(0)\right), sgn\left(s_{A_{3,55}}(5.5)\right)\right] = \left[4.0265, 4.0268, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$

$\left[a_{56}, a_{57}, sgn\left(s_{A_{3,56}}(0)\right), sgn\left(s_{A_{3,56}}(5.5)\right)\right] = \left[4.0268, 4.0271, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$

$\left[a_{57}, a_{58}, sgn\left(s_{A_{3,57}}(0)\right), sgn\left(s_{A_{3,57}}(5.5)\right)\right] = \left[4.0271, 4.0274, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$

$\left[a_{58}, a_{59}, sgn\left(s_{A_{3,58}}(0)\right), sgn\left(s_{A_{3,58}}(5.5)\right)\right] = \left[4.0274, 4.0277, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$

$\left[a_{59}, a_{60}, sgn\left(s_{A_{3,59}}(0)\right), sgn\left(s_{A_{3,59}}(5.5)\right)\right] = \left[4.0277, 4.0280, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$

$\left[a_{60}, a_{61}, sgn\left(s_{A_{3,60}}(0)\right), sgn\left(s_{A_{3,60}}(5.5)\right)\right] = \left[4.0280, 4.0283, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$

$\left[a_{61}, a_{62}, sgn\left(s_{A_{3,61}}(0)\right), sgn\left(s_{A_{3,61}}(5.5)\right)\right] = \left[4.0283, 4.0286, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$

$\left[a_{62}, a_{63}, sgn\left(s_{A_{3,62}}(0)\right), sgn\left(s_{A_{3,62}}(5.5)\right)\right] = \left[4.0286, 4.0289, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$

$\left[a_{63}, a_{64}, sgn\left(s_{A_{3,63}}(0)\right), sgn\left(s_{A_{3,63}}(5.5)\right)\right] = \left[4.0289, 4.0292, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$

$\left[a_{64}, a_{65}, sgn\left(s_{A_{3,64}}(0)\right), sgn\left(s_{A_{3,64}}(5.5)\right)\right] = \left[4.0292, 4.0295, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$

$\left[a_{65}, a_{66}, sgn\left(s_{A_{3,65}}(0)\right), sgn\left(s_{A_{3,65}}(5.5)\right)\right] = \left[4.0295, 4.0298, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$

$\left[a_{66}, a_{67}, sgn\left(s_{A_{3,66}}(0)\right), sgn\left(s_{A_{3,66}}(5.5)\right)\right] = \left[4.0298, 4.0301, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$

$\left[a_{67}, a_{68}, sgn\left(s_{A_{3,67}}(0)\right), sgn\left(s_{A_{3,67}}(5.5)\right)\right] = \left[4.0301, 4.0304, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$

$$\left[a_{68}, a_{69}, sgn\left(s_{A_{3,68}}(0)\right), sgn\left(s_{A_{3,68}}(5.5)\right)\right] = \left[4.0304, 4.0307, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{69}, a_{70}, sgn\left(s_{A_{3,69}}(0)\right), sgn\left(s_{A_{3,69}}(5.5)\right)\right] = \left[4.0307, 4.0310, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{70}, a_{71}, sgn\left(s_{A_{3,70}}(0)\right), sgn\left(s_{A_{3,70}}(5.5)\right)\right] = \left[4.0310, 4.0313, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{71}, a_{72}, sgn\left(s_{A_{3,71}}(0)\right), sgn\left(s_{A_{3,71}}(5.5)\right)\right] = \left[4.0313, 4.0316, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{72}, a_{73}, sgn\left(s_{A_{3,72}}(0)\right), sgn\left(s_{A_{3,72}}(5.5)\right)\right] = \left[4.0316, 4.0319, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{73}, a_{74}, sgn\left(s_{A_{3,73}}(0)\right), sgn\left(s_{A_{3,73}}(5.5)\right)\right] = \left[4.0319, 4.0322, \begin{bmatrix} \mathbf{1} & \mathbf{1} & \mathbf{1} & \mathbf{-1} & \mathbf{1} & \mathbf{-1} & \mathbf{-1} & \mathbf{-1} & \mathbf{-1} \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{74}, a_{75}, sgn\left(s_{A_{3,74}}(0)\right), sgn\left(s_{A_{3,74}}(5.5)\right)\right] = \left[4.0322, 4.0325, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & -1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{75}, a_{76}, sgn\left(s_{A_{3,75}}(0)\right), sgn\left(s_{A_{3,75}}(5.5)\right)\right] = \left[4.0325, 4.0328, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & -1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{76}, a_{77}, sgn\left(s_{A_{3,76}}(0)\right), sgn\left(s_{A_{3,76}}(5.5)\right)\right] = \left[4.0328, 4.0331, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & -1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{77}, a_{78}, sgn\left(s_{A_{3,77}}(0)\right), sgn\left(s_{A_{3,77}}(5.5)\right)\right] = \left[4.0331, 4.0334, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & -1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{78}, a_{79}, sgn\left(s_{A_{3,78}}(0)\right), sgn\left(s_{A_{3,78}}(5.5)\right)\right] = \left[4.0334, 4.0337, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & -1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{79}, a_{80}, sgn\left(s_{A_{3,79}}(0)\right), sgn\left(s_{A_{3,79}}(5.5)\right)\right] = \left[4.0337, 4.0340, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & -1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{80}, a_{81}, sgn\left(s_{A_{3,80}}(0)\right), sgn\left(s_{A_{3,80}}(5.5)\right)\right] = \left[4.0340, 4.0343, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & -1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{81}, a_{82}, sgn\left(s_{A_{3,81}}(0)\right), sgn\left(s_{A_{3,81}}(5.5)\right)\right] = \left[4.0343, 4.0346, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & -1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{82}, a_{83}, sgn\left(s_{A_{3,82}}(0)\right), sgn\left(s_{A_{3,82}}(5.5)\right)\right] = \left[4.0346, 4.0349, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & -1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{83}, a_{84}, sgn\left(s_{A_{3,83}}(0)\right), sgn\left(s_{A_{3,83}}(5.5)\right)\right] = \left[4.0349, 4.0352, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & -1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{84}, a_{85}, sgn\left(s_{A_{3,84}}(0)\right), sgn\left(s_{A_{3,84}}(5.5)\right)\right] = \left[4.0352, 4.0355, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & -1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{85}, a_{86}, sgn\left(s_{A_{3,85}}(0)\right), sgn\left(s_{A_{3,85}}(5.5)\right)\right] = \left[4.0355, 4.0358, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & -1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{86}, a_{87}, sgn\left(s_{A_{3,86}}(0)\right), sgn\left(s_{A_{3,86}}(5.5)\right)\right] = \left[4.0358, 4.0361, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & -1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{87}, a_{88}, sgn\left(s_{A_{3,87}}(0)\right), sgn\left(s_{A_{3,87}}(5.5)\right)\right] = \left[4.0361, 4.0364, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & -1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{88}, a_{89}, sgn\left(s_{A_{3,88}}(0)\right), sgn\left(s_{A_{3,88}}(5.5)\right)\right] = \left[4.0364, 4.0367, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & -1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{89}, a_{90}, sgn\left(s_{A_{3,89}}(0)\right), sgn\left(s_{A_{3,89}}(5.5)\right)\right] = \left[4.0367, 4.0370, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & -1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{90}, a_{91}, sgn\left(s_{A_{3,90}}(0)\right), sgn\left(s_{A_{3,90}}(5.5)\right)\right] = \left[4.0370, 4.0373, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & -1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{91}, a_{92}, sgn\left(s_{A_{3,91}}(0)\right), sgn\left(s_{A_{3,91}}(5.5)\right)\right] = \left[4.0373, 4.0376, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & -1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{92}, a_{93}, sgn\left(s_{A_{3,92}}(0)\right), sgn\left(s_{A_{3,92}}(5.5)\right)\right] = \left[4.0376, 4.0379, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & -1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{93}, a_{94}, sgn\left(s_{A_{3,93}}(0)\right), sgn\left(s_{A_{3,93}}(5.5)\right)\right] = \left[4.0379, 4.0382, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & -1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{94}, a_{95}, sgn\left(s_{A_{3,94}}(0)\right), sgn\left(s_{A_{3,94}}(5.5)\right)\right] = \left[4.0382, 4.0385, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & -1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{95}, a_{96}, sgn\left(s_{A_{3,95}}(0)\right), sgn\left(s_{A_{3,95}}(5.5)\right)\right] = \left[4.0385, 4.0388, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & -1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{96}, a_{97}, sgn\left(s_{A_{3,96}}(0)\right), sgn\left(s_{A_{3,96}}(5.5)\right)\right] = \left[4.0388, 4.0391, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & -1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & 1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{97}, a_{98}, sgn\left(s_{A_{3,97}}(0)\right), sgn\left(s_{A_{3,97}}(5.5)\right)\right] = \left[4.0391, 4.0394, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & -1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} \mathbf{1} & \mathbf{1} & \mathbf{-1} & \mathbf{-1} & \mathbf{1} & \mathbf{1} & \mathbf{-1} & \mathbf{-1} & \mathbf{-1} \end{bmatrix}\right]$$

$$\left[a_{98}, a_{99}, sgn\left(s_{A_{3,98}}(0)\right), sgn\left(s_{A_{3,98}}(5.5)\right)\right] = \left[4.0394, 4.0397, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & -1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

$$\left[a_{99}, a_{100}, sgn\left(s_{A_{3,99}}(0)\right), sgn\left(s_{A_{3,99}}(5.5)\right)\right] = \left[4.0397, 4.0400, \begin{bmatrix} 1 & 1 & 1 & -1 & 1 & -1 & -1 & -1 & -1 \end{bmatrix}, \begin{bmatrix} 1 & 1 & -1 & -1 & 1 & 1 & -1 & -1 & -1 \end{bmatrix}\right]$$

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