```
> # Set the parameters and functions
c :='c':
d :='d':
u :='u':
E3 := (9360000 c − 40478400) u^7 + (123624000 c^2 + 79477167 - 15600000 d^3 − 312878520 d) u^6
    + (12480000 c^5 + 418993800 c^3 + 476863002 c − 91411200 d^4 − 860506665 d^2) u^5
    + (23217600 c^6 + 621308436 c^4 + 1192157505 c^2 − 1040000 d^7 − 199260960 d^5
    − 1100550468 d^3) u^4 + (14018680 c^7 + 486042654 c^5 + 1589543340 c^3 − 155887303 d^6
    − 663541512 d^4) u^3 + (155487978 c^6 + 1192157505 c^4 - 43552080 d^7 − 215944200 d^5) u^2
    + (476863002 c^5 - 13976040 d^7 − 134854731 d^6) u + 79477167 c^6 − 70008120 d^7 :
print(Output);
# find Sturm's sequence``
 for j from 0 by 1 to 179 do
 c := 402/100 + (j+1)/180 · (403/100 − 402/100) :
 d := 402/100 + j/180 · (403/100 − 402/100) :
u :='u':
S := sturmseq(E3, u);
signnum := sturm(S, u, 4, 538/100);
 with(ArrayTools) :
 Slength := Size(S, 2);
X := Array(1 .. Slength);
Y := Array(1 .. Slength);

    for i from 1 to Slength do
  # Find sgn [s_{E_{3,i}}(4)]
      u := 4;
      X[i] := signum(S[i]);
  # Find sgn [s_{E_{3,i}}(5.38)]
      u := 538/100 :
      Y[i] := signum(S[i]);
    end do;
 # show the final results
  print(['a'[280 + j],'a'[281 + j], sgn(s['E'[3, 280 + j]](4)), sgn(s['E'[3, 280 + j]](5.38))]
      = [evalf(d, 5), evalf(c, 5), X, Y]) ;
end do:
```

Output

$$\left[a_{280}, a_{281}, sgn\left(s_{E_{3,280}}(4)\right), sgn\left(s_{E_{3,280}}(5.38)\right)\right] = [4.0200, 4.0201, [-1\ 1\ 1\ 1\ -1\ -1\ 1\ -1], [-1\ 1\ 1\ 1\ -1\ -1\ 1\ -1]]$$

$$\left[a_{281}, a_{282}, sgn\left(s_{E_{3,281}}(4)\right), sgn\left(s_{E_{3,281}}(5.38)\right)\right] = [4.0201, 4.0201, [-1\ 1\ 1\ 1\ -1\ -1\ 1\ -1], [-1\ 1\ 1\ 1\ -1\ -1\ 1\ -1]]$$

$$\left[a_{282}, a_{283}, sgn\left(s_{E_{3,282}}(4)\right), sgn\left(s_{E_{3,282}}(5.38)\right)\right] = [4.0201, 4.0202, [-1\ 1\ 1\ 1\ -1\ -1\ 1\ -1], [-1\ 1\ 1\ 1\ -1\ -1\ 1\ -1]]$$

$$\left[a_{283}, a_{284}, sgn\left(s_{E_{3,283}}(4)\right), sgn\left(s_{E_{3,283}}(5.38)\right)\right] = [4.0202, 4.0202, [-1\ 1\ 1\ 1\ -1\ -1\ 1\ -1], [-1\ 1\ 1\ 1\ -1\ -1\ 1\ -1]]$$

$$\left[a_{284}, a_{285}, sgn\left(s_{E_{3,\,284}}(4)\right), sgn\left(s_{E_{3,\,284}}(5.38)\right)\right] = \left[4.0202, 4.0203, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{285}, a_{286}, sgn\left(s_{E_{3,\,285}}(4)\right), sgn\left(s_{E_{3,\,285}}(5.38)\right)\right] = \left[4.0203, 4.0203, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{286}, a_{287}, sgn\left(s_{E_{3,\,286}}(4)\right), sgn\left(s_{E_{3,\,286}}(5.38)\right)\right] = \left[4.0203, 4.0204, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{287}, a_{288}, sgn\left(s_{E_{3,\,287}}(4)\right), sgn\left(s_{E_{3,\,287}}(5.38)\right)\right] = \left[4.0204, 4.0204, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{288}, a_{289}, sgn\left(s_{E_{3,\,288}}(4)\right), sgn\left(s_{E_{3,\,288}}(5.38)\right)\right] = \left[4.0204, 4.0205, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{289}, a_{290}, sgn\left(s_{E_{3,\,289}}(4)\right), sgn\left(s_{E_{3,\,289}}(5.38)\right)\right] = \left[4.0205, 4.0206, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{290}, a_{291}, sgn\left(s_{E_{3,\,290}}(4)\right), sgn\left(s_{E_{3,\,290}}(5.38)\right)\right] = \left[4.0206, 4.0206, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{291}, a_{292}, sgn\left(s_{E_{3,\,291}}(4)\right), sgn\left(s_{E_{3,\,291}}(5.38)\right)\right] = \left[4.0206, 4.0207, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{292}, a_{293}, sgn\left(s_{E_{3,\,292}}(4)\right), sgn\left(s_{E_{3,\,292}}(5.38)\right)\right] = \left[4.0207, 4.0207, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{293}, a_{294}, sgn\left(s_{E_{3,\,293}}(4)\right), sgn\left(s_{E_{3,\,293}}(5.38)\right)\right] = \left[4.0207, 4.0208, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{294}, a_{295}, sgn\left(s_{E_{3,\,294}}(4)\right), sgn\left(s_{E_{3,\,294}}(5.38)\right)\right] = \left[4.0208, 4.0208, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{295}, a_{296}, sgn\left(s_{E_{3,\,295}}(4)\right), sgn\left(s_{E_{3,\,295}}(5.38)\right)\right] = \left[4.0208, 4.0209, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{296}, a_{297}, sgn\left(s_{E_{3,\,296}}(4)\right), sgn\left(s_{E_{3,\,296}}(5.38)\right)\right] = \left[4.0209, 4.0209, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{297}, a_{298}, sgn\left(s_{E_{3,\,297}}(4)\right), sgn\left(s_{E_{3,\,297}}(5.38)\right)\right] = \left[4.0209, 4.0210, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{298}, a_{299}, sgn\left(s_{E_{3,\,298}}(4)\right), sgn\left(s_{E_{3,\,298}}(5.38)\right)\right] = \left[4.0210, 4.0211, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{299}, a_{300}, sgn\left(s_{E_{3,\,299}}(4)\right), sgn\left(s_{E_{3,\,299}}(5.38)\right)\right] = \left[4.0211, 4.0211, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{300}, a_{301}, sgn\left(s_{E_{3,\,300}}(4)\right), sgn\left(s_{E_{3,\,300}}(5.38)\right)\right] = \left[4.0211, 4.0212, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{301}, a_{302}, sgn\left(s_{E_{3,\,301}}(4)\right), sgn\left(s_{E_{3,\,301}}(5.38)\right)\right] = \left[4.0212, 4.0212, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{302}, a_{303}, sgn\left(s_{E_{3,\,302}}(4)\right), sgn\left(s_{E_{3,\,302}}(5.38)\right)\right] = \left[4.0212, 4.0213, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{303}, a_{304}, sgn\left(s_{E_{3,\,303}}(4)\right), sgn\left(s_{E_{3,\,303}}(5.38)\right)\right] = \left[4.0213, 4.0213, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{304}, a_{305}, sgn\left(s_{E_{3,\,304}}(4)\right), sgn\left(s_{E_{3,\,304}}(5.38)\right)\right] = \left[4.0213, 4.0214, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{305}, a_{306}, sgn\left(s_{E_{3,\,305}}(4)\right), sgn\left(s_{E_{3,\,305}}(5.38)\right)\right] = \left[4.0214, 4.0214, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{306}, a_{307}, sgn\left(s_{E_{3,\,306}}(4)\right), sgn\left(s_{E_{3,\,306}}(5.38)\right)\right] = \left[4.0214, 4.0215, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{307}, a_{308}, sgn\left(s_{E_{3,\,307}}(4)\right), sgn\left(s_{E_{3,\,307}}(5.38)\right)\right] = \left[4.0215, 4.0216, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{308}, a_{309}, sgn\left(s_{E_{3,\,308}}(4)\right), sgn\left(s_{E_{3,\,308}}(5.38)\right)\right] = \left[4.0216, 4.0216, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{309}, a_{310}, sgn\left(s_{E_{3,\,309}}(4)\right), sgn\left(s_{E_{3,\,309}}(5.38)\right)\right] = \left[4.0216, 4.0217, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{310}, a_{311}, sgn\left(s_{E_{3,\,310}}(4)\right), sgn\left(s_{E_{3,\,310}}(5.38)\right)\right] = \left[4.0217, 4.0217, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{311}, a_{312}, sgn\left(s_{E_{3,\,311}}(4)\right), sgn\left(s_{E_{3,\,311}}(5.38)\right)\right] = \left[4.0217, 4.0218, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{312}, a_{313}, sgn\left(s_{E_{3,\,312}}(4)\right), sgn\left(s_{E_{3,\,312}}(5.38)\right)\right] = \left[4.0218, 4.0218, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{313}, a_{314}, sgn\left(s_{E_{3,\,313}}(4)\right), sgn\left(s_{E_{3,\,313}}(5.38)\right)\right] = \left[4.0218, 4.0219, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{314}, a_{315}, sgn\left(s_{E_{3,\,314}}(4)\right), sgn\left(s_{E_{3,\,314}}(5.38)\right)\right] = \left[4.0219, 4.0219, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{315}, a_{316}, sgn\left(s_{E_{3,\,315}}(4)\right), sgn\left(s_{E_{3,\,315}}(5.38)\right)\right] = \left[4.0219, 4.0220, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{316}, a_{317}, sgn\left(s_{E_{3,316}}(4)\right), sgn\left(s_{E_{3,316}}(5.38)\right)\right] = \left[4.0220, 4.0221, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{317}, a_{318}, sgn\left(s_{E_{3,317}}(4)\right), sgn\left(s_{E_{3,317}}(5.38)\right)\right] = \left[4.0221, 4.0221, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{318}, a_{319}, sgn\left(s_{E_{3,318}}(4)\right), sgn\left(s_{E_{3,318}}(5.38)\right)\right] = \left[4.0221, 4.0222, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{319}, a_{320}, sgn\left(s_{E_{3,319}}(4)\right), sgn\left(s_{E_{3,319}}(5.38)\right)\right] = \left[4.0222, 4.0222, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{320}, a_{321}, sgn\left(s_{E_{3,320}}(4)\right), sgn\left(s_{E_{3,320}}(5.38)\right)\right] = \left[4.0222, 4.0223, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{321}, a_{322}, sgn\left(s_{E_{3,321}}(4)\right), sgn\left(s_{E_{3,321}}(5.38)\right)\right] = \left[4.0223, 4.0223, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{322}, a_{323}, sgn\left(s_{E_{3,322}}(4)\right), sgn\left(s_{E_{3,322}}(5.38)\right)\right] = \left[4.0223, 4.0224, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{323}, a_{324}, sgn\left(s_{E_{3,323}}(4)\right), sgn\left(s_{E_{3,323}}(5.38)\right)\right] = \left[4.0224, 4.0224, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{324}, a_{325}, sgn\left(s_{E_{3,324}}(4)\right), sgn\left(s_{E_{3,324}}(5.38)\right)\right] = \left[4.0224, 4.0225, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{325}, a_{326}, sgn\left(s_{E_{3,325}}(4)\right), sgn\left(s_{E_{3,325}}(5.38)\right)\right] = \left[4.0225, 4.0226, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{326}, a_{327}, sgn\left(s_{E_{3,326}}(4)\right), sgn\left(s_{E_{3,326}}(5.38)\right)\right] = \left[4.0226, 4.0226, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{327}, a_{328}, sgn\left(s_{E_{3,327}}(4)\right), sgn\left(s_{E_{3,327}}(5.38)\right)\right] = \left[4.0226, 4.0227, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{328}, a_{329}, sgn\left(s_{E_{3,328}}(4)\right), sgn\left(s_{E_{3,328}}(5.38)\right)\right] = \left[4.0227, 4.0227, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{329}, a_{330}, sgn\left(s_{E_{3,329}}(4)\right), sgn\left(s_{E_{3,329}}(5.38)\right)\right] = \left[4.0227, 4.0228, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{330}, a_{331}, sgn\left(s_{E_{3,330}}(4)\right), sgn\left(s_{E_{3,330}}(5.38)\right)\right] = \left[4.0228, 4.0228, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{331}, a_{332}, sgn\left(s_{E_{3,331}}(4)\right), sgn\left(s_{E_{3,331}}(5.38)\right)\right] = \left[4.0228, 4.0229, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{332}, a_{333}, sgn\left(s_{E_{3,332}}(4)\right), sgn\left(s_{E_{3,332}}(5.38)\right)\right] = \left[4.0229, 4.0229, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{333}, a_{334}, sgn\left(s_{E_{3,333}}(4)\right), sgn\left(s_{E_{3,333}}(5.38)\right)\right] = \left[4.0229, 4.0230, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{334}, a_{335}, sgn\left(s_{E_{3,334}}(4)\right), sgn\left(s_{E_{3,334}}(5.38)\right)\right] = \left[4.0230, 4.0231, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{335}, a_{336}, sgn\left(s_{E_{3,335}}(4)\right), sgn\left(s_{E_{3,335}}(5.38)\right)\right] = \left[4.0231, 4.0231, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{336}, a_{337}, sgn\left(s_{E_{3,336}}(4)\right), sgn\left(s_{E_{3,336}}(5.38)\right)\right] = \left[4.0231, 4.0232, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{337}, a_{338}, sgn\left(s_{E_{3,337}}(4)\right), sgn\left(s_{E_{3,337}}(5.38)\right)\right] = \left[4.0232, 4.0232, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{338}, a_{339}, sgn\left(s_{E_{3,338}}(4)\right), sgn\left(s_{E_{3,338}}(5.38)\right)\right] = \left[4.0232, 4.0233, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{339}, a_{340}, sgn\left(s_{E_{3,339}}(4)\right), sgn\left(s_{E_{3,339}}(5.38)\right)\right] = \left[4.0233, 4.0233, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{340}, a_{341}, sgn\left(s_{E_{3,340}}(4)\right), sgn\left(s_{E_{3,340}}(5.38)\right)\right] = \left[4.0233, 4.0234, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{341}, a_{342}, sgn\left(s_{E_{3,341}}(4)\right), sgn\left(s_{E_{3,341}}(5.38)\right)\right] = \left[4.0234, 4.0234, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{342}, a_{343}, sgn\left(s_{E_{3,342}}(4)\right), sgn\left(s_{E_{3,342}}(5.38)\right)\right] = \left[4.0234, 4.0235, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{343}, a_{344}, sgn\left(s_{E_{3,343}}(4)\right), sgn\left(s_{E_{3,343}}(5.38)\right)\right] = \left[4.0235, 4.0236, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{344}, a_{345}, sgn\left(s_{E_{3,344}}(4)\right), sgn\left(s_{E_{3,344}}(5.38)\right)\right] = \left[4.0236, 4.0236, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{345}, a_{346}, sgn\left(s_{E_{3,345}}(4)\right), sgn\left(s_{E_{3,345}}(5.38)\right)\right] = \left[4.0236, 4.0237, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{346}, a_{347}, sgn\left(s_{E_{3,346}}(4)\right), sgn\left(s_{E_{3,346}}(5.38)\right)\right] = \left[4.0237, 4.0237, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{347}, a_{348}, sgn\left(s_{E_{3,347}}(4)\right), sgn\left(s_{E_{3,347}}(5.38)\right)\right] = \left[4.0237, 4.0238, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{348}, a_{349}, sgn\left(s_{E_{3,348}}(4)\right), sgn\left(s_{E_{3,348}}(5.38)\right)\right] = \left[4.0238, 4.0238, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{349}, a_{350}, sgn\left(s_{E_{3,349}}(4)\right), sgn\left(s_{E_{3,349}}(5.38)\right)\right] = \left[4.0238, 4.0239, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{350}, a_{351}, sgn\left(s_{E_{3,350}}(4)\right), sgn\left(s_{E_{3,350}}(5.38)\right)\right] = \left[4.0239, 4.0239, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{351}, a_{352}, sgn\left(s_{E_{3,351}}(4)\right), sgn\left(s_{E_{3,351}}(5.38)\right)\right] = \left[4.0239, 4.0240, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{352}, a_{353}, sgn\left(s_{E_{3,352}}(4)\right), sgn\left(s_{E_{3,352}}(5.38)\right)\right] = \left[4.0240, 4.0241, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{353}, a_{354}, sgn\left(s_{E_{3,353}}(4)\right), sgn\left(s_{E_{3,353}}(5.38)\right)\right] = \left[4.0241, 4.0241, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{354}, a_{355}, sgn\left(s_{E_{3,354}}(4)\right), sgn\left(s_{E_{3,354}}(5.38)\right)\right] = \left[4.0241, 4.0242, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{355}, a_{356}, sgn\left(s_{E_{3,355}}(4)\right), sgn\left(s_{E_{3,355}}(5.38)\right)\right] = \left[4.0242, 4.0242, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{356}, a_{357}, sgn\left(s_{E_{3,356}}(4)\right), sgn\left(s_{E_{3,356}}(5.38)\right)\right] = \left[4.0242, 4.0243, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{357}, a_{358}, sgn\left(s_{E_{3,357}}(4)\right), sgn\left(s_{E_{3,357}}(5.38)\right)\right] = \left[4.0243, 4.0243, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{358}, a_{359}, sgn\left(s_{E_{3,358}}(4)\right), sgn\left(s_{E_{3,358}}(5.38)\right)\right] = \left[4.0243, 4.0244, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{359}, a_{360}, sgn\left(s_{E_{3,359}}(4)\right), sgn\left(s_{E_{3,359}}(5.38)\right)\right] = \left[4.0244, 4.0244, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{360}, a_{361}, sgn\left(s_{E_{3,360}}(4)\right), sgn\left(s_{E_{3,360}}(5.38)\right)\right] = \left[4.0244, 4.0245, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{361}, a_{362}, sgn\left(s_{E_{3,361}}(4)\right), sgn\left(s_{E_{3,361}}(5.38)\right)\right] = \left[4.0245, 4.0246, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{362}, a_{363}, sgn\left(s_{E_{3,362}}(4)\right), sgn\left(s_{E_{3,362}}(5.38)\right)\right] = \left[4.0246, 4.0246, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{363}, a_{364}, sgn\left(s_{E_{3,363}}(4)\right), sgn\left(s_{E_{3,363}}(5.38)\right)\right] = \left[4.0246, 4.0247, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{364}, a_{365}, sgn\left(s_{E_{3,364}}(4)\right), sgn\left(s_{E_{3,364}}(5.38)\right)\right] = \left[4.0247, 4.0247, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{365}, a_{366}, sgn\left(s_{E_{3,365}}(4)\right), sgn\left(s_{E_{3,365}}(5.38)\right)\right] = \left[4.0247, 4.0248, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{366}, a_{367}, sgn\left(s_{E_{3,366}}(4)\right), sgn\left(s_{E_{3,366}}(5.38)\right)\right] = \left[4.0248, 4.0248, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{367}, a_{368}, sgn\left(s_{E_{3,367}}(4)\right), sgn\left(s_{E_{3,367}}(5.38)\right)\right] = \left[4.0248, 4.0249, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{368}, a_{369}, sgn\left(s_{E_{3,368}}(4)\right), sgn\left(s_{E_{3,368}}(5.38)\right)\right] = \left[4.0249, 4.0249, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{369}, a_{370}, sgn\left(s_{E_{3,369}}(4)\right), sgn\left(s_{E_{3,369}}(5.38)\right)\right] = \left[4.0249, 4.0250, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{370}, a_{371}, sgn\left(s_{E_{3,370}}(4)\right), sgn\left(s_{E_{3,370}}(5.38)\right)\right] = \left[4.0250, 4.0251, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{371}, a_{372}, sgn\left(s_{E_{3,371}}(4)\right), sgn\left(s_{E_{3,371}}(5.38)\right)\right] = \left[4.0251, 4.0251, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{372}, a_{373}, sgn\left(s_{E_{3,372}}(4)\right), sgn\left(s_{E_{3,372}}(5.38)\right)\right] = \left[4.0251, 4.0252, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{373}, a_{374}, sgn\left(s_{E_{3,373}}(4)\right), sgn\left(s_{E_{3,373}}(5.38)\right)\right] = \left[4.0252, 4.0252, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{374}, a_{375}, sgn\left(s_{E_{3,374}}(4)\right), sgn\left(s_{E_{3,374}}(5.38)\right)\right] = \left[4.0252, 4.0253, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{375}, a_{376}, sgn\left(s_{E_{3,375}}(4)\right), sgn\left(s_{E_{3,375}}(5.38)\right)\right] = \left[4.0253, 4.0253, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{376}, a_{377}, sgn\left(s_{E_{3,376}}(4)\right), sgn\left(s_{E_{3,376}}(5.38)\right)\right] = \left[4.0253, 4.0254, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{377}, a_{378}, sgn\left(s_{E_{3,377}}(4)\right), sgn\left(s_{E_{3,377}}(5.38)\right)\right] = \left[4.0254, 4.0254, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{378}, a_{379}, sgn\left(s_{E_{3,378}}(4)\right), sgn\left(s_{E_{3,378}}(5.38)\right)\right] = \left[4.0254, 4.0255, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{379}, a_{380}, sgn\left(s_{E_{3,379}}(4)\right), sgn\left(s_{E_{3,379}}(5.38)\right)\right] = \left[4.0255, 4.0256, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{380}, a_{381}, sgn\left(s_{E_{3,380}}(4)\right), sgn\left(s_{E_{3,380}}(5.38)\right)\right] = \left[4.0256, 4.0256, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{381}, a_{382}, sgn\left(s_{E_{3,381}}(4)\right), sgn\left(s_{E_{3,381}}(5.38)\right)\right] = \left[4.0256, 4.0257, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{382}, a_{383}, sgn\left(s_{E_{3,382}}(4)\right), sgn\left(s_{E_{3,382}}(5.38)\right)\right] = \left[4.0257, 4.0257, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{383}, a_{384}, sgn\left(s_{E_{3,383}}(4)\right), sgn\left(s_{E_{3,383}}(5.38)\right)\right] = \left[4.0257, 4.0258, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{384}, a_{385}, sgn\left(s_{E_{3,384}}(4)\right), sgn\left(s_{E_{3,384}}(5.38)\right)\right] = \left[4.0258, 4.0258, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{385}, a_{386}, sgn\left(s_{E_{3,385}}(4)\right), sgn\left(s_{E_{3,385}}(5.38)\right)\right] = \left[4.0258, 4.0259, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{386}, a_{387}, sgn\left(s_{E_{3,386}}(4)\right), sgn\left(s_{E_{3,386}}(5.38)\right)\right] = \left[4.0259, 4.0259, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{387}, a_{388}, sgn\left(s_{E_{3,387}}(4)\right), sgn\left(s_{E_{3,387}}(5.38)\right)\right] = \left[4.0259, 4.0260, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{388}, a_{389}, sgn\left(s_{E_{3,388}}(4)\right), sgn\left(s_{E_{3,388}}(5.38)\right)\right] = \left[4.0260, 4.0261, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{389}, a_{390}, sgn\left(s_{E_{3,389}}(4)\right), sgn\left(s_{E_{3,389}}(5.38)\right)\right] = \left[4.0261, 4.0261, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{390}, a_{391}, sgn\left(s_{E_{3,390}}(4)\right), sgn\left(s_{E_{3,390}}(5.38)\right)\right] = \left[4.0261, 4.0262, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{391}, a_{392}, sgn\left(s_{E_{3,391}}(4)\right), sgn\left(s_{E_{3,391}}(5.38)\right)\right] = \left[4.0262, 4.0262, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{392}, a_{393}, sgn\left(s_{E_{3,392}}(4)\right), sgn\left(s_{E_{3,392}}(5.38)\right)\right] = \left[4.0262, 4.0263, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{393}, a_{394}, sgn\left(s_{E_{3,393}}(4)\right), sgn\left(s_{E_{3,393}}(5.38)\right)\right] = \left[4.0263, 4.0263, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{394}, a_{395}, sgn\left(s_{E_{3,394}}(4)\right), sgn\left(s_{E_{3,394}}(5.38)\right)\right] = \left[4.0263, 4.0264, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{395}, a_{396}, sgn\left(s_{E_{3,395}}(4)\right), sgn\left(s_{E_{3,395}}(5.38)\right)\right] = \left[4.0264, 4.0264, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{396}, a_{397}, sgn\left(s_{E_{3,396}}(4)\right), sgn\left(s_{E_{3,396}}(5.38)\right)\right] = \left[4.0264, 4.0265, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{397}, a_{398}, sgn\left(s_{E_{3,397}}(4)\right), sgn\left(s_{E_{3,397}}(5.38)\right)\right] = \left[4.0265, 4.0266, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{398}, a_{399}, sgn\left(s_{E_{3,398}}(4)\right), sgn\left(s_{E_{3,398}}(5.38)\right)\right] = \left[4.0266, 4.0266, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{399}, a_{400}, sgn\left(s_{E_{3,399}}(4)\right), sgn\left(s_{E_{3,399}}(5.38)\right)\right] = \left[4.0266, 4.0267, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{400}, a_{401}, sgn\left(s_{E_{3,400}}(4)\right), sgn\left(s_{E_{3,400}}(5.38)\right)\right] = \left[4.0267, 4.0267, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{401}, a_{402}, sgn\left(s_{E_{3,401}}(4)\right), sgn\left(s_{E_{3,401}}(5.38)\right)\right] = \left[4.0267, 4.0268, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{402}, a_{403}, sgn\left(s_{E_{3,402}}(4)\right), sgn\left(s_{E_{3,402}}(5.38)\right)\right] = \left[4.0268, 4.0268, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{403}, a_{404}, sgn\left(s_{E_{3,403}}(4)\right), sgn\left(s_{E_{3,403}}(5.38)\right)\right] = \left[4.0268, 4.0269, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{404}, a_{405}, sgn\left(s_{E_{3,404}}(4)\right), sgn\left(s_{E_{3,404}}(5.38)\right)\right] = \left[4.0269, 4.0269, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{405}, a_{406}, sgn\left(s_{E_{3,405}}(4)\right), sgn\left(s_{E_{3,405}}(5.38)\right)\right] = \left[4.0269, 4.0270, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{406}, a_{407}, sgn\left(s_{E_{3,406}}(4)\right), sgn\left(s_{E_{3,406}}(5.38)\right)\right] = \left[4.0270, 4.0271, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{407}, a_{408}, sgn\left(s_{E_{3,407}}(4)\right), sgn\left(s_{E_{3,407}}(5.38)\right)\right] = \left[4.0271, 4.0271, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{408}, a_{409}, sgn\left(s_{E_{3,408}}(4)\right), sgn\left(s_{E_{3,408}}(5.38)\right)\right] = \left[4.0271, 4.0272, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{409}, a_{410}, sgn\left(s_{E_{3,409}}(4)\right), sgn\left(s_{E_{3,409}}(5.38)\right)\right] = \left[4.0272, 4.0272, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{410}, a_{411}, sgn\left(s_{E_{3,410}}(4)\right), sgn\left(s_{E_{3,410}}(5.38)\right)\right] = \left[4.0272, 4.0273, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{411}, a_{412}, sgn\left(s_{E_{3,411}}(4)\right), sgn\left(s_{E_{3,411}}(5.38)\right)\right] = \left[4.0273, 4.0273, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{412}, a_{413}, sgn\left(s_{E_{3,412}}(4)\right), sgn\left(s_{E_{3,412}}(5.38)\right)\right] = \left[4.0273, 4.0274, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{413}, a_{414}, sgn\left(s_{E_{3,413}}(4)\right), sgn\left(s_{E_{3,413}}(5.38)\right)\right] = \left[4.0274, 4.0274, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{414}, a_{415}, sgn\left(s_{E_{3,414}}(4)\right), sgn\left(s_{E_{3,414}}(5.38)\right)\right] = \left[4.0274, 4.0275, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{415}, a_{416}, sgn\left(s_{E_{3,415}}(4)\right), sgn\left(s_{E_{3,415}}(5.38)\right)\right] = \left[4.0275, 4.0276, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{416}, a_{417}, sgn\left(s_{E_{3,416}}(4)\right), sgn\left(s_{E_{3,416}}(5.38)\right)\right] = \left[4.0276, 4.0276, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{417}, a_{418}, sgn\left(s_{E_{3,417}}(4)\right), sgn\left(s_{E_{3,417}}(5.38)\right)\right] = \left[4.0276, 4.0277, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{418}, a_{419}, sgn\left(s_{E_{3,418}}(4)\right), sgn\left(s_{E_{3,418}}(5.38)\right)\right] = \left[4.0277, 4.0277, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{419}, a_{420}, sgn\left(s_{E_{3,419}}(4)\right), sgn\left(s_{E_{3,419}}(5.38)\right)\right] = \left[4.0277, 4.0278, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{420}, a_{421}, sgn\left(s_{E_{3,420}}(4)\right), sgn\left(s_{E_{3,420}}(5.38)\right)\right] = \left[4.0278, 4.0278, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{421}, a_{422}, sgn\left(s_{E_{3,421}}(4)\right), sgn\left(s_{E_{3,421}}(5.38)\right)\right] = \left[4.0278, 4.0279, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{422}, a_{423}, sgn\left(s_{E_{3,422}}(4)\right), sgn\left(s_{E_{3,422}}(5.38)\right)\right] = \left[4.0279, 4.0279, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{423}, a_{424}, sgn\left(s_{E_{3,423}}(4)\right), sgn\left(s_{E_{3,423}}(5.38)\right)\right] = \left[4.0279, 4.0280, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{424}, a_{425}, sgn\left(s_{E_{3,424}}(4)\right), sgn\left(s_{E_{3,424}}(5.38)\right)\right] = \left[4.0280, 4.0281, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{425}, a_{426}, sgn\left(s_{E_{3,425}}(4)\right), sgn\left(s_{E_{3,425}}(5.38)\right)\right] = \left[4.0281, 4.0281, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{426}, a_{427}, sgn\left(s_{E_{3,426}}(4)\right), sgn\left(s_{E_{3,426}}(5.38)\right)\right] = \left[4.0281, 4.0282, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{427}, a_{428}, sgn\left(s_{E_{3,427}}(4)\right), sgn\left(s_{E_{3,427}}(5.38)\right)\right] = \left[4.0282, 4.0282, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{428}, a_{429}, sgn\left(s_{E_{3,428}}(4)\right), sgn\left(s_{E_{3,428}}(5.38)\right)\right] = \left[4.0282, 4.0283, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{429}, a_{430}, sgn\left(s_{E_{3,429}}(4)\right), sgn\left(s_{E_{3,429}}(5.38)\right)\right] = \left[4.0283, 4.0283, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{430}, a_{431}, sgn\left(s_{E_{3,430}}(4)\right), sgn\left(s_{E_{3,430}}(5.38)\right)\right] = \left[4.0283, 4.0284, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{431}, a_{432}, sgn\left(s_{E_{3,431}}(4)\right), sgn\left(s_{E_{3,431}}(5.38)\right)\right] = \left[4.0284, 4.0284, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{432}, a_{433}, sgn\left(s_{E_{3,432}}(4)\right), sgn\left(s_{E_{3,432}}(5.38)\right)\right] = \left[4.0284, 4.0285, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{433}, a_{434}, sgn\left(s_{E_{3,433}}(4)\right), sgn\left(s_{E_{3,433}}(5.38)\right)\right] = \left[4.0285, 4.0286, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{434}, a_{435}, sgn\left(s_{E_{3,434}}(4)\right), sgn\left(s_{E_{3,434}}(5.38)\right)\right] = \left[4.0286, 4.0286, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{435}, a_{436}, sgn\left(s_{E_{3,435}}(4)\right), sgn\left(s_{E_{3,435}}(5.38)\right)\right] = \left[4.0286, 4.0287, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{436}, a_{437}, sgn\left(s_{E_{3,436}}(4)\right), sgn\left(s_{E_{3,436}}(5.38)\right)\right] = \left[4.0287, 4.0287, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{437}, a_{438}, sgn\left(s_{E_{3,437}}(4)\right), sgn\left(s_{E_{3,437}}(5.38)\right)\right] = \left[4.0287, 4.0288, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{438}, a_{439}, sgn\left(s_{E_{3,438}}(4)\right), sgn\left(s_{E_{3,438}}(5.38)\right)\right] = \left[4.0288, 4.0288, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{439}, a_{440}, sgn\left(s_{E_{3,439}}(4)\right), sgn\left(s_{E_{3,439}}(5.38)\right)\right] = \left[4.0288, 4.0289, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{440}, a_{441}, sgn\left(s_{E_{3,440}}(4)\right), sgn\left(s_{E_{3,440}}(5.38)\right)\right] = \left[4.0289, 4.0289, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{441}, a_{442}, sgn\left(s_{E_{3,441}}(4)\right), sgn\left(s_{E_{3,441}}(5.38)\right)\right] = \left[4.0289, 4.0290, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{442}, a_{443}, sgn\left(s_{E_{3,442}}(4)\right), sgn\left(s_{E_{3,442}}(5.38)\right)\right] = \left[4.0290, 4.0291, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{443}, a_{444}, sgn\left(s_{E_{3,443}}(4)\right), sgn\left(s_{E_{3,443}}(5.38)\right)\right] = \left[4.0291, 4.0291, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{444}, a_{445}, sgn\left(s_{E_{3,\,444}}(4)\right), sgn\left(s_{E_{3,\,444}}(5.38)\right)\right] = \left[4.0291, 4.0292, \left[\begin{array}{cccccccc} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{array}\right], \left[\begin{array}{cccccccc} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{array}\right]\right]$$

$$\left[a_{445}, a_{446}, sgn\left(s_{E_{3,\,445}}(4)\right), sgn\left(s_{E_{3,\,445}}(5.38)\right)\right] = \left[4.0292, 4.0292, \left[\begin{array}{cccccccc} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{array}\right], \left[\begin{array}{cccccccc} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{array}\right]\right]$$

$$\left[a_{446}, a_{447}, sgn\left(s_{E_{3,\,446}}(4)\right), sgn\left(s_{E_{3,\,446}}(5.38)\right)\right] = \left[4.0292, 4.0293, \left[\begin{array}{cccccccc} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{array}\right], \left[\begin{array}{cccccccc} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{array}\right]\right]$$

$$\left[a_{447}, a_{448}, sgn\left(s_{E_{3,\,447}}(4)\right), sgn\left(s_{E_{3,\,447}}(5.38)\right)\right] = \left[4.0293, 4.0293, \left[\begin{array}{cccccccc} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{array}\right], \left[\begin{array}{cccccccc} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{array}\right]\right]$$

$$\left[a_{448}, a_{449}, sgn\left(s_{E_{3,\,448}}(4)\right), sgn\left(s_{E_{3,\,448}}(5.38)\right)\right] = \left[4.0293, 4.0294, \left[\begin{array}{cccccccc} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{array}\right], \left[\begin{array}{cccccccc} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{array}\right]\right]$$

$$\left[a_{449}, a_{450}, sgn\left(s_{E_{3,\,449}}(4)\right), sgn\left(s_{E_{3,\,449}}(5.38)\right)\right] = \left[4.0294, 4.0294, \left[\begin{array}{cccccccc} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{array}\right], \left[\begin{array}{cccccccc} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{array}\right]\right]$$

$$\left[a_{450}, a_{451}, sgn\left(s_{E_{3,\,450}}(4)\right), sgn\left(s_{E_{3,\,450}}(5.38)\right)\right] = \left[4.0294, 4.0295, \left[\begin{array}{cccccccc} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{array}\right], \left[\begin{array}{cccccccc} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{array}\right]\right]$$

$$\left[a_{451}, a_{452}, sgn\left(s_{E_{3,\,451}}(4)\right), sgn\left(s_{E_{3,\,451}}(5.38)\right)\right] = \left[4.0295, 4.0296, \left[\begin{array}{cccccccc} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{array}\right], \left[\begin{array}{cccccccc} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{array}\right]\right]$$

$$\left[a_{452}, a_{453}, sgn\left(s_{E_{3,\,452}}(4)\right), sgn\left(s_{E_{3,\,452}}(5.38)\right)\right] = \left[4.0296, 4.0296, \left[\begin{array}{cccccccc} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{array}\right], \left[\begin{array}{cccccccc} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{array}\right]\right]$$

$$\left[a_{453}, a_{454}, sgn\left(s_{E_{3,\,453}}(4)\right), sgn\left(s_{E_{3,\,453}}(5.38)\right)\right] = \left[4.0296, 4.0297, \left[\begin{array}{cccccccc} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{array}\right], \left[\begin{array}{cccccccc} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{array}\right]\right]$$

$$\left[a_{454}, a_{455}, sgn\left(s_{E_{3,\,454}}(4)\right), sgn\left(s_{E_{3,\,454}}(5.38)\right)\right] = \left[4.0297, 4.0297, \left[\begin{array}{cccccccc} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{array}\right], \left[\begin{array}{cccccccc} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{array}\right]\right]$$

$$\left[a_{455}, a_{456}, sgn\left(s_{E_{3,\,455}}(4)\right), sgn\left(s_{E_{3,\,455}}(5.38)\right)\right] = \left[4.0297, 4.0298, \left[\begin{array}{cccccccc} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{array}\right], \left[\begin{array}{cccccccc} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{array}\right]\right]$$

$$\left[a_{456}, a_{457}, sgn\left(s_{E_{3,\,456}}(4)\right), sgn\left(s_{E_{3,\,456}}(5.38)\right)\right] = \left[4.0298, 4.0298, \left[\begin{array}{cccccccc} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{array}\right], \left[\begin{array}{cccccccc} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{array}\right]\right]$$

$$\left[a_{457}, a_{458}, sgn\left(s_{E_{3,\,457}}(4)\right), sgn\left(s_{E_{3,\,457}}(5.38)\right)\right] = \left[4.0298, 4.0299, \left[\begin{array}{cccccccc} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{array}\right], \left[\begin{array}{cccccccc} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{array}\right]\right]$$

$$\left[a_{458}, a_{459}, sgn\left(s_{E_{3,\,458}}(4)\right), sgn\left(s_{E_{3,\,458}}(5.38)\right)\right] = \left[4.0299, 4.0299, \left[\begin{array}{cccccccc} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{array}\right], \left[\begin{array}{cccccccc} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{array}\right]\right]$$

$$\left[a_{459}, a_{460}, sgn\left(s_{E_{3,\,459}}(4)\right), sgn\left(s_{E_{3,\,459}}(5.38)\right)\right] = \left[4.0299, 4.0300, \left[\begin{array}{cccccccc} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{array}\right], \left[\begin{array}{cccccccc} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{array}\right]\right] \quad \textbf{(1)}$$

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