```
> # Set the parameters and functions
c :='c':
d :='d':
u :='u':
E2 := (18720000 c-80917200) u^7 + (247182000 c^2 + 158895891 - 31200000 d^3 - 625467960 d) u^6
      + (24960000 c^5 + 837743400 c^3 + 953375346 c - 182769600 d^4 - 1720233045 d^2) u^5
      + (46430800 c^6 + 1242271428 c^4 + 2383438365 c^2 - 2080000 d^7 - 398374080 d^5
      - 2200094964 d^3) u^4 + (28031640 c^7 + 971831142 c^5 + 3177917820 c^3 - 311653419 d^6
      - 1326447576 d^4) u^3 + (310906194 c^6 + 2383438365 c^4 - 87069840 d^7 - 431670600 d^5) u^2
      + (953375346 c^5 - 27934920 d^7-269600463 d^6) u + 158895891 c^6 - 139964760 d^7 :
print(Output);
# find Sturm's sequence``
 for j from 0 by 1 to 499 do
 c := 4005/1000 + (j+1)/500 · (401/100 - 4005/1000) :
 d := 4005/1000 + j/500 · (401/100 - 4005/1000) :
u :='u':
S := sturmseq(E2, u);
signnum := sturm(S, u, 4, 5292/1000);
 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_{2,i}}(4)]
     u := 4;
     X[i] := signum(S[i]);
 # Find sgn [s_{E_{2,i}}(5.292)]
     u := 5292/1000 :
     Y[i] := signum(S[i]);
   end do;
 # show the final results
 print(['a'[300 + j],'a'[j + 301], sgn(s['E'[2, 300 + j]](4)), sgn(s['E'[2, 300 + j]](5.292))]
     = [evalf(d, 5), evalf(c, 5), X, Y]) ;
end do:
```

Output

$$\left[a_{300}, a_{301}, sgn\left(s_{E_{2,300}}(4)\right), sgn\left(s_{E_{2,300}}(5.292)\right)\right] = [4.0050, 4.0050, [-1\ 1\ 1\ 1\ -1\ -1\ 1\ -1], [-1\ 1\ 1\ 1\ -1\ -1\ 1\ -1]]$$

$$\left[a_{301}, a_{302}, sgn\left(s_{E_{2,301}}(4)\right), sgn\left(s_{E_{2,301}}(5.292)\right)\right] = [4.0050, 4.0050, [-1\ 1\ 1\ 1\ -1\ -1\ 1\ -1], [-1\ 1\ 1\ 1\ -1\ -1\ 1\ -1]]$$

$$\left[a_{302}, a_{303}, sgn\left(s_{E_{2,302}}(4)\right), sgn\left(s_{E_{2,302}}(5.292)\right)\right] = [4.0050, 4.0050, [-1\ 1\ 1\ 1\ -1\ -1\ 1\ -1], [-1\ 1\ 1\ 1\ -1\ -1\ 1\ -1]]$$

$$\left[a_{303}, a_{304}, sgn\left(s_{E_{2,303}}(4)\right), sgn\left(s_{E_{2,303}}(5.292)\right)\right] = [4.0050, 4.0050, [-1\ 1\ 1\ 1\ -1\ -1\ 1\ -1], [-1\ 1\ 1\ 1\ -1\ -1\ 1\ -1]]$$

$$\left[a_{304}, a_{305}, sgn\left(s_{E_{2,304}}(4)\right), sgn\left(s_{E_{2,304}}(5.292)\right)\right] = [4.0050, 4.0050, [-1\ 1\ 1\ 1\ -1\ -1\ 1\ -1], [-1\ 1\ 1\ 1\ -1\ -1\ 1\ -1]]$$

$$\left[a_{305}, a_{306}, sgn\left(s_{E_{2,305}}(4)\right), sgn\left(s_{E_{2,305}}(5.292)\right)\right] = \left[4.0050, 4.0051, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{306}, a_{307}, sgn\left(s_{E_{2,306}}(4)\right), sgn\left(s_{E_{2,306}}(5.292)\right)\right] = \left[4.0051, 4.0051, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{307}, a_{308}, sgn\left(s_{E_{2,307}}(4)\right), sgn\left(s_{E_{2,307}}(5.292)\right)\right] = \left[4.0051, 4.0051, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{308}, a_{309}, sgn\left(s_{E_{2,308}}(4)\right), sgn\left(s_{E_{2,308}}(5.292)\right)\right] = \left[4.0051, 4.0051, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{309}, a_{310}, sgn\left(s_{E_{2,309}}(4)\right), sgn\left(s_{E_{2,309}}(5.292)\right)\right] = \left[4.0051, 4.0051, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{310}, a_{311}, sgn\left(s_{E_{2,310}}(4)\right), sgn\left(s_{E_{2,310}}(5.292)\right)\right] = \left[4.0051, 4.0051, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{311}, a_{312}, sgn\left(s_{E_{2,311}}(4)\right), sgn\left(s_{E_{2,311}}(5.292)\right)\right] = \left[4.0051, 4.0051, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{312}, a_{313}, sgn\left(s_{E_{2,312}}(4)\right), sgn\left(s_{E_{2,312}}(5.292)\right)\right] = \left[4.0051, 4.0051, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{313}, a_{314}, sgn\left(s_{E_{2,313}}(4)\right), sgn\left(s_{E_{2,313}}(5.292)\right)\right] = \left[4.0051, 4.0051, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{314}, a_{315}, sgn\left(s_{E_{2,314}}(4)\right), sgn\left(s_{E_{2,314}}(5.292)\right)\right] = \left[4.0051, 4.0052, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{315}, a_{316}, sgn\left(s_{E_{2,315}}(4)\right), sgn\left(s_{E_{2,315}}(5.292)\right)\right] = \left[4.0052, 4.0052, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{316}, a_{317}, sgn\left(s_{E_{2,316}}(4)\right), sgn\left(s_{E_{2,316}}(5.292)\right)\right] = \left[4.0052, 4.0052, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{317}, a_{318}, sgn\left(s_{E_{2,317}}(4)\right), sgn\left(s_{E_{2,317}}(5.292)\right)\right] = \left[4.0052, 4.0052, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{318}, a_{319}, sgn\left(s_{E_{2,318}}(4)\right), sgn\left(s_{E_{2,318}}(5.292)\right)\right] = \left[4.0052, 4.0052, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{319}, a_{320}, sgn\left(s_{E_{2,319}}(4)\right), sgn\left(s_{E_{2,319}}(5.292)\right)\right] = \left[4.0052, 4.0052, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{320}, a_{321}, sgn\left(s_{E_{2,320}}(4)\right), sgn\left(s_{E_{2,320}}(5.292)\right)\right] = \left[4.0052, 4.0052, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{321}, a_{322}, sgn\left(s_{E_{2,321}}(4)\right), sgn\left(s_{E_{2,321}}(5.292)\right)\right] = \left[4.0052, 4.0052, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{322}, a_{323}, sgn\left(s_{E_{2,322}}(4)\right), sgn\left(s_{E_{2,322}}(5.292)\right)\right] = \left[4.0052, 4.0052, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{323}, a_{324}, sgn\left(s_{E_{2,323}}(4)\right), sgn\left(s_{E_{2,323}}(5.292)\right)\right] = \left[4.0052, 4.0052, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{324}, a_{325}, sgn\left(s_{E_{2,324}}(4)\right), sgn\left(s_{E_{2,324}}(5.292)\right)\right] = \left[4.0052, 4.0052, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{325}, a_{326}, sgn\left(s_{E_{2,325}}(4)\right), sgn\left(s_{E_{2,325}}(5.292)\right)\right] = \left[4.0052, 4.0053, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{326}, a_{327}, sgn\left(s_{E_{2,326}}(4)\right), sgn\left(s_{E_{2,326}}(5.292)\right)\right] = \left[4.0053, 4.0053, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{327}, a_{328}, sgn\left(s_{E_{2,327}}(4)\right), sgn\left(s_{E_{2,327}}(5.292)\right)\right] = \left[4.0053, 4.0053, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{328}, a_{329}, sgn\left(s_{E_{2,328}}(4)\right), sgn\left(s_{E_{2,328}}(5.292)\right)\right] = \left[4.0053, 4.0053, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{329}, a_{330}, sgn\left(s_{E_{2,329}}(4)\right), sgn\left(s_{E_{2,329}}(5.292)\right)\right] = \left[4.0053, 4.0053, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{330}, a_{331}, sgn\left(s_{E_{2,330}}(4)\right), sgn\left(s_{E_{2,330}}(5.292)\right)\right] = \left[4.0053, 4.0053, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{331}, a_{332}, sgn\left(s_{E_{2,331}}(4)\right), sgn\left(s_{E_{2,331}}(5.292)\right)\right] = \left[4.0053, 4.0053, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{332}, a_{333}, sgn\left(s_{E_{2,332}}(4)\right), sgn\left(s_{E_{2,332}}(5.292)\right)\right] = \left[4.0053, 4.0053, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{333}, a_{334}, sgn\left(s_{E_{2,333}}(4)\right), sgn\left(s_{E_{2,333}}(5.292)\right)\right] = \left[4.0053, 4.0053, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{334}, a_{335}, sgn\left(s_{E_{2,334}}(4)\right), sgn\left(s_{E_{2,334}}(5.292)\right)\right] = \left[4.0053, 4.0054, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{335}, a_{336}, sgn\left(s_{E_{2,335}}(4)\right), sgn\left(s_{E_{2,335}}(5.292)\right)\right] = \left[4.0054, 4.0054, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{336}, a_{337}, sgn\left(s_{E_{2,336}}(4)\right), sgn\left(s_{E_{2,336}}(5.292)\right)\right] = \left[4.0054, 4.0054, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{337}, a_{338}, sgn\left(s_{E_{2,337}}(4)\right), sgn\left(s_{E_{2,337}}(5.292)\right)\right] = \left[4.0054, 4.0054, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{338}, a_{339}, sgn\left(s_{E_{2,338}}(4)\right), sgn\left(s_{E_{2,338}}(5.292)\right)\right] = \left[4.0054, 4.0054, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{339}, a_{340}, sgn\left(s_{E_{2,339}}(4)\right), sgn\left(s_{E_{2,339}}(5.292)\right)\right] = \left[4.0054, 4.0054, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{340}, a_{341}, sgn\left(s_{E_{2,340}}(4)\right), sgn\left(s_{E_{2,340}}(5.292)\right)\right] = \left[4.0054, 4.0054, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{341}, a_{342}, sgn\left(s_{E_{2,341}}(4)\right), sgn\left(s_{E_{2,341}}(5.292)\right)\right] = \left[4.0054, 4.0054, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{342}, a_{343}, sgn\left(s_{E_{2,342}}(4)\right), sgn\left(s_{E_{2,342}}(5.292)\right)\right] = \left[4.0054, 4.0054, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{343}, a_{344}, sgn\left(s_{E_{2,343}}(4)\right), sgn\left(s_{E_{2,343}}(5.292)\right)\right] = \left[4.0054, 4.0054, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{344}, a_{345}, sgn\left(s_{E_{2,344}}(4)\right), sgn\left(s_{E_{2,344}}(5.292)\right)\right] = \left[4.0054, 4.0054, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{345}, a_{346}, sgn\left(s_{E_{2,345}}(4)\right), sgn\left(s_{E_{2,345}}(5.292)\right)\right] = \left[4.0054, 4.0055, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{346}, a_{347}, sgn\left(s_{E_{2,346}}(4)\right), sgn\left(s_{E_{2,346}}(5.292)\right)\right] = \left[4.0055, 4.0055, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{347}, a_{348}, sgn\left(s_{E_{2,347}}(4)\right), sgn\left(s_{E_{2,347}}(5.292)\right)\right] = \left[4.0055, 4.0055, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{348}, a_{349}, sgn\left(s_{E_{2,348}}(4)\right), sgn\left(s_{E_{2,348}}(5.292)\right)\right] = \left[4.0055, 4.0055, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{349}, a_{350}, sgn\left(s_{E_{2,349}}(4)\right), sgn\left(s_{E_{2,349}}(5.292)\right)\right] = \left[4.0055, 4.0055, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{350}, a_{351}, sgn\left(s_{E_{2,350}}(4)\right), sgn\left(s_{E_{2,350}}(5.292)\right)\right] = \left[4.0055, 4.0055, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{351}, a_{352}, sgn\left(s_{E_{2,351}}(4)\right), sgn\left(s_{E_{2,351}}(5.292)\right)\right] = \left[4.0055, 4.0055, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{352}, a_{353}, sgn\left(s_{E_{2,352}}(4)\right), sgn\left(s_{E_{2,352}}(5.292)\right)\right] = \left[4.0055, 4.0055, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{353}, a_{354}, sgn\left(s_{E_{2,353}}(4)\right), sgn\left(s_{E_{2,353}}(5.292)\right)\right] = \left[4.0055, 4.0055, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{354}, a_{355}, sgn\left(s_{E_{2,354}}(4)\right), sgn\left(s_{E_{2,354}}(5.292)\right)\right] = \left[4.0055, 4.0056, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{355}, a_{356}, sgn\left(s_{E_{2,355}}(4)\right), sgn\left(s_{E_{2,355}}(5.292)\right)\right] = \left[4.0056, 4.0056, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{356}, a_{357}, sgn\left(s_{E_{2,356}}(4)\right), sgn\left(s_{E_{2,356}}(5.292)\right)\right] = \left[4.0056, 4.0056, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{357}, a_{358}, sgn\left(s_{E_{2,357}}(4)\right), sgn\left(s_{E_{2,357}}(5.292)\right)\right] = \left[4.0056, 4.0056, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{358}, a_{359}, sgn\left(s_{E_{2,358}}(4)\right), sgn\left(s_{E_{2,358}}(5.292)\right)\right] = \left[4.0056, 4.0056, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{359}, a_{360}, sgn\left(s_{E_{2,359}}(4)\right), sgn\left(s_{E_{2,359}}(5.292)\right)\right] = \left[4.0056, 4.0056, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{360}, a_{361}, sgn\left(s_{E_{2,360}}(4)\right), sgn\left(s_{E_{2,360}}(5.292)\right)\right] = \left[4.0056, 4.0056, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{361}, a_{362}, sgn\left(s_{E_{2,361}}(4)\right), sgn\left(s_{E_{2,361}}(5.292)\right)\right] = \left[4.0056, 4.0056, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{362}, a_{363}, sgn\left(s_{E_{2,362}}(4)\right), sgn\left(s_{E_{2,362}}(5.292)\right)\right] = \left[4.0056, 4.0056, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{363}, a_{364}, sgn\left(s_{E_{2,363}}(4)\right), sgn\left(s_{E_{2,363}}(5.292)\right)\right] = \left[4.0056, 4.0056, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{364}, a_{365}, sgn\left(s_{E_{2,364}}(4)\right), sgn\left(s_{E_{2,364}}(5.292)\right)\right] = \left[4.0056, 4.0056, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{365}, a_{366}, sgn\left(s_{E_{2,365}}(4)\right), sgn\left(s_{E_{2,365}}(5.292)\right)\right] = \left[4.0056, 4.0057, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{366}, a_{367}, sgn\left(s_{E_{2,366}}(4)\right), sgn\left(s_{E_{2,366}}(5.292)\right)\right] = \left[4.0057, 4.0057, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{367}, a_{368}, sgn\left(s_{E_{2,367}}(4)\right), sgn\left(s_{E_{2,367}}(5.292)\right)\right] = \left[4.0057, 4.0057, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{368}, a_{369}, sgn\left(s_{E_{2,368}}(4)\right), sgn\left(s_{E_{2,368}}(5.292)\right)\right] = \left[4.0057, 4.0057, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{369}, a_{370}, sgn\left(s_{E_{2,369}}(4)\right), sgn\left(s_{E_{2,369}}(5.292)\right)\right] = \left[4.0057, 4.0057, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{370}, a_{371}, sgn\left(s_{E_{2,370}}(4)\right), sgn\left(s_{E_{2,370}}(5.292)\right)\right] = \left[4.0057, 4.0057, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{371}, a_{372}, sgn\left(s_{E_{2,371}}(4)\right), sgn\left(s_{E_{2,371}}(5.292)\right)\right] = \left[4.0057, 4.0057, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{372}, a_{373}, sgn\left(s_{E_{2,372}}(4)\right), sgn\left(s_{E_{2,372}}(5.292)\right)\right] = \left[4.0057, 4.0057, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{373}, a_{374}, sgn\left(s_{E_{2,373}}(4)\right), sgn\left(s_{E_{2,373}}(5.292)\right)\right] = \left[4.0057, 4.0057, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{374}, a_{375}, sgn\left(s_{E_{2,374}}(4)\right), sgn\left(s_{E_{2,374}}(5.292)\right)\right] = \left[4.0057, 4.0058, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{375}, a_{376}, sgn\left(s_{E_{2,375}}(4)\right), sgn\left(s_{E_{2,375}}(5.292)\right)\right] = \left[4.0058, 4.0058, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{376}, a_{377}, sgn\left(s_{E_{2,376}}(4)\right), sgn\left(s_{E_{2,376}}(5.292)\right)\right] = \left[4.0058, 4.0058, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{377}, a_{378}, sgn\left(s_{E_{2,377}}(4)\right), sgn\left(s_{E_{2,377}}(5.292)\right)\right] = \left[4.0058, 4.0058, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{378}, a_{379}, sgn\left(s_{E_{2,378}}(4)\right), sgn\left(s_{E_{2,378}}(5.292)\right)\right] = \left[4.0058, 4.0058, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{379}, a_{380}, sgn\left(s_{E_{2,379}}(4)\right), sgn\left(s_{E_{2,379}}(5.292)\right)\right] = \left[4.0058, 4.0058, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{380}, a_{381}, sgn\left(s_{E_{2,380}}(4)\right), sgn\left(s_{E_{2,380}}(5.292)\right)\right] = \left[4.0058, 4.0058, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{381}, a_{382}, sgn\left(s_{E_{2,381}}(4)\right), sgn\left(s_{E_{2,381}}(5.292)\right)\right] = \left[4.0058, 4.0058, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{382}, a_{383}, sgn\left(s_{E_{2,382}}(4)\right), sgn\left(s_{E_{2,382}}(5.292)\right)\right] = \left[4.0058, 4.0058, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{383}, a_{384}, sgn\left(s_{E_{2,383}}(4)\right), sgn\left(s_{E_{2,383}}(5.292)\right)\right] = \left[4.0058, 4.0058, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{384}, a_{385}, sgn\left(s_{E_{2,384}}(4)\right), sgn\left(s_{E_{2,384}}(5.292)\right)\right] = \left[4.0058, 4.0058, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{385}, a_{386}, sgn\left(s_{E_{2,385}}(4)\right), sgn\left(s_{E_{2,385}}(5.292)\right)\right] = \left[4.0058, 4.0059, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{386}, a_{387}, sgn\left(s_{E_{2,386}}(4)\right), sgn\left(s_{E_{2,386}}(5.292)\right)\right] = \left[4.0059, 4.0059, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{387}, a_{388}, sgn\left(s_{E_{2,387}}(4)\right), sgn\left(s_{E_{2,387}}(5.292)\right)\right] = \left[4.0059, 4.0059, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{388}, a_{389}, sgn\left(s_{E_{2,388}}(4)\right), sgn\left(s_{E_{2,388}}(5.292)\right)\right] = \left[4.0059, 4.0059, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{389}, a_{390}, sgn\left(s_{E_{2,389}}(4)\right), sgn\left(s_{E_{2,389}}(5.292)\right)\right] = \left[4.0059, 4.0059, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{390}, a_{391}, sgn\left(s_{E_{2,390}}(4)\right), sgn\left(s_{E_{2,390}}(5.292)\right)\right] = \left[4.0059, 4.0059, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{391}, a_{392}, sgn\left(s_{E_{2,391}}(4)\right), sgn\left(s_{E_{2,391}}(5.292)\right)\right] = \left[4.0059, 4.0059, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{392}, a_{393}, sgn\left(s_{E_{2,392}}(4)\right), sgn\left(s_{E_{2,392}}(5.292)\right)\right] = \left[4.0059, 4.0059, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{393}, a_{394}, sgn\left(s_{E_{2,393}}(4)\right), sgn\left(s_{E_{2,393}}(5.292)\right)\right] = \left[4.0059, 4.0059, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{394}, a_{395}, sgn\left(s_{E_{2,394}}(4)\right), sgn\left(s_{E_{2,394}}(5.292)\right)\right] = \left[4.0059, 4.0060, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{395}, a_{396}, sgn\left(s_{E_{2,395}}(4)\right), sgn\left(s_{E_{2,395}}(5.292)\right)\right] = \left[4.0060, 4.0060, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{396}, a_{397}, sgn\left(s_{E_{2,396}}(4)\right), sgn\left(s_{E_{2,396}}(5.292)\right)\right] = \left[4.0060, 4.0060, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{397}, a_{398}, sgn\left(s_{E_{2,397}}(4)\right), sgn\left(s_{E_{2,397}}(5.292)\right)\right] = \left[4.0060, 4.0060, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{398}, a_{399}, sgn\left(s_{E_{2,398}}(4)\right), sgn\left(s_{E_{2,398}}(5.292)\right)\right] = \left[4.0060, 4.0060, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{399}, a_{400}, sgn\left(s_{E_{2,399}}(4)\right), sgn\left(s_{E_{2,399}}(5.292)\right)\right] = \left[4.0060, 4.0060, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{400}, a_{401}, sgn\left(s_{E_{2,400}}(4)\right), sgn\left(s_{E_{2,400}}(5.292)\right)\right] = \left[4.0060, 4.0060, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{401}, a_{402}, sgn\left(s_{E_{2,401}}(4)\right), sgn\left(s_{E_{2,401}}(5.292)\right)\right] = \left[4.0060, 4.0060, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{402}, a_{403}, sgn\left(s_{E_{2,402}}(4)\right), sgn\left(s_{E_{2,402}}(5.292)\right)\right] = \left[4.0060, 4.0060, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{403}, a_{404}, sgn\left(s_{E_{2,403}}(4)\right), sgn\left(s_{E_{2,403}}(5.292)\right)\right] = \left[4.0060, 4.0060, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{404}, a_{405}, sgn\left(s_{E_{2,404}}(4)\right), sgn\left(s_{E_{2,404}}(5.292)\right)\right] = \left[4.0060, 4.0060, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{405}, a_{406}, sgn\left(s_{E_{2,405}}(4)\right), sgn\left(s_{E_{2,405}}(5.292)\right)\right] = \left[4.0060, 4.0061, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{406}, a_{407}, sgn\left(s_{E_{2,406}}(4)\right), sgn\left(s_{E_{2,406}}(5.292)\right)\right] = \left[4.0061, 4.0061, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{407}, a_{408}, sgn\left(s_{E_{2,407}}(4)\right), sgn\left(s_{E_{2,407}}(5.292)\right)\right] = \left[4.0061, 4.0061, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{408}, a_{409}, sgn\left(s_{E_{2,408}}(4)\right), sgn\left(s_{E_{2,408}}(5.292)\right)\right] = \left[4.0061, 4.0061, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{409}, a_{410}, sgn\left(s_{E_{2,409}}(4)\right), sgn\left(s_{E_{2,409}}(5.292)\right)\right] = \left[4.0061, 4.0061, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{410}, a_{411}, sgn\left(s_{E_{2,410}}(4)\right), sgn\left(s_{E_{2,410}}(5.292)\right)\right] = \left[4.0061, 4.0061, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{411}, a_{412}, sgn\left(s_{E_{2,411}}(4)\right), sgn\left(s_{E_{2,411}}(5.292)\right)\right] = \left[4.0061, 4.0061, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{412}, a_{413}, sgn\left(s_{E_{2,412}}(4)\right), sgn\left(s_{E_{2,412}}(5.292)\right)\right] = \left[4.0061, 4.0061, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{413}, a_{414}, sgn\left(s_{E_{2,413}}(4)\right), sgn\left(s_{E_{2,413}}(5.292)\right)\right] = \left[4.0061, 4.0061, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{414}, a_{415}, sgn\left(s_{E_{2,414}}(4)\right), sgn\left(s_{E_{2,414}}(5.292)\right)\right] = \left[4.0061, 4.0062, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{415}, a_{416}, sgn\left(s_{E_{2,415}}(4)\right), sgn\left(s_{E_{2,415}}(5.292)\right)\right] = \left[4.0062, 4.0062, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{416}, a_{417}, sgn\left(s_{E_{2,416}}(4)\right), sgn\left(s_{E_{2,416}}(5.292)\right)\right] = \left[4.0062, 4.0062, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{417}, a_{418}, sgn\left(s_{E_{2,417}}(4)\right), sgn\left(s_{E_{2,417}}(5.292)\right)\right] = \left[4.0062, 4.0062, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{418}, a_{419}, sgn\left(s_{E_{2,418}}(4)\right), sgn\left(s_{E_{2,418}}(5.292)\right)\right] = \left[4.0062, 4.0062, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{419}, a_{420}, sgn\left(s_{E_{2,419}}(4)\right), sgn\left(s_{E_{2,419}}(5.292)\right)\right] = \left[4.0062, 4.0062, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{420}, a_{421}, sgn\left(s_{E_{2,420}}(4)\right), sgn\left(s_{E_{2,420}}(5.292)\right)\right] = \left[4.0062, 4.0062, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{421}, a_{422}, sgn\left(s_{E_{2,421}}(4)\right), sgn\left(s_{E_{2,421}}(5.292)\right)\right] = \left[4.0062, 4.0062, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{422}, a_{423}, sgn\left(s_{E_{2,422}}(4)\right), sgn\left(s_{E_{2,422}}(5.292)\right)\right] = \left[4.0062, 4.0062, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{423}, a_{424}, sgn\left(s_{E_{2,423}}(4)\right), sgn\left(s_{E_{2,423}}(5.292)\right)\right] = \left[4.0062, 4.0062, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{424}, a_{425}, sgn\left(s_{E_{2,424}}(4)\right), sgn\left(s_{E_{2,424}}(5.292)\right)\right] = \left[4.0062, 4.0062, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{425}, a_{426}, sgn\left(s_{E_{2,425}}(4)\right), sgn\left(s_{E_{2,425}}(5.292)\right)\right] = \left[4.0062, 4.0063, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{426}, a_{427}, sgn\left(s_{E_{2,426}}(4)\right), sgn\left(s_{E_{2,426}}(5.292)\right)\right] = \left[4.0063, 4.0063, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{427}, a_{428}, sgn\left(s_{E_{2,427}}(4)\right), sgn\left(s_{E_{2,427}}(5.292)\right)\right] = \left[4.0063, 4.0063, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{428}, a_{429}, sgn\left(s_{E_{2,428}}(4)\right), sgn\left(s_{E_{2,428}}(5.292)\right)\right] = \left[4.0063, 4.0063, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{429}, a_{430}, sgn\left(s_{E_{2,429}}(4)\right), sgn\left(s_{E_{2,429}}(5.292)\right)\right] = \left[4.0063, 4.0063, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{430}, a_{431}, sgn\left(s_{E_{2,430}}(4)\right), sgn\left(s_{E_{2,430}}(5.292)\right)\right] = \left[4.0063, 4.0063, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{431}, a_{432}, sgn\left(s_{E_{2,431}}(4)\right), sgn\left(s_{E_{2,431}}(5.292)\right)\right] = \left[4.0063, 4.0063, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{432}, a_{433}, sgn\left(s_{E_{2,432}}(4)\right), sgn\left(s_{E_{2,432}}(5.292)\right)\right] = \left[4.0063, 4.0063, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{433}, a_{434}, sgn\left(s_{E_{2,433}}(4)\right), sgn\left(s_{E_{2,433}}(5.292)\right)\right] = \left[4.0063, 4.0063, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{434}, a_{435}, sgn\left(s_{E_{2,434}}(4)\right), sgn\left(s_{E_{2,434}}(5.292)\right)\right] = \left[4.0063, 4.0064, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{435}, a_{436}, sgn\left(s_{E_{2,435}}(4)\right), sgn\left(s_{E_{2,435}}(5.292)\right)\right] = \left[4.0064, 4.0064, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{436}, a_{437}, sgn\left(s_{E_{2,436}}(4)\right), sgn\left(s_{E_{2,436}}(5.292)\right)\right] = \left[4.0064, 4.0064, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{437}, a_{438}, sgn\left(s_{E_{2,437}}(4)\right), sgn\left(s_{E_{2,437}}(5.292)\right)\right] = \left[4.0064, 4.0064, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{438}, a_{439}, sgn\left(s_{E_{2,438}}(4)\right), sgn\left(s_{E_{2,438}}(5.292)\right)\right] = \left[4.0064, 4.0064, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{439}, a_{440}, sgn\left(s_{E_{2,439}}(4)\right), sgn\left(s_{E_{2,439}}(5.292)\right)\right] = \left[4.0064, 4.0064, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{440}, a_{441}, sgn\left(s_{E_{2,440}}(4)\right), sgn\left(s_{E_{2,440}}(5.292)\right)\right] = \left[4.0064, 4.0064, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{441}, a_{442}, sgn\left(s_{E_{2,441}}(4)\right), sgn\left(s_{E_{2,441}}(5.292)\right)\right] = \left[4.0064, 4.0064, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{442}, a_{443}, sgn\left(s_{E_{2,442}}(4)\right), sgn\left(s_{E_{2,442}}(5.292)\right)\right] = \left[4.0064, 4.0064, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{443}, a_{444}, sgn\left(s_{E_{2,443}}(4)\right), sgn\left(s_{E_{2,443}}(5.292)\right)\right] = \left[4.0064, 4.0064, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{444}, a_{445}, sgn\left(s_{E_{2,444}}(4)\right), sgn\left(s_{E_{2,444}}(5.292)\right)\right] = \left[4.0064, 4.0064, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{445}, a_{446}, sgn\left(s_{E_{2,445}}(4)\right), sgn\left(s_{E_{2,445}}(5.292)\right)\right] = \left[4.0064, 4.0065, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{446}, a_{447}, sgn\left(s_{E_{2,446}}(4)\right), sgn\left(s_{E_{2,446}}(5.292)\right)\right] = \left[4.0065, 4.0065, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{447}, a_{448}, sgn\left(s_{E_{2,447}}(4)\right), sgn\left(s_{E_{2,447}}(5.292)\right)\right] = \left[4.0065, 4.0065, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{448}, a_{449}, sgn\left(s_{E_{2,448}}(4)\right), sgn\left(s_{E_{2,448}}(5.292)\right)\right] = \left[4.0065, 4.0065, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{449}, a_{450}, sgn\left(s_{E_{2,449}}(4)\right), sgn\left(s_{E_{2,449}}(5.292)\right)\right] = \left[4.0065, 4.0065, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{450}, a_{451}, sgn\left(s_{E_{2,450}}(4)\right), sgn\left(s_{E_{2,450}}(5.292)\right)\right] = \left[4.0065, 4.0065, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{451}, a_{452}, sgn\left(s_{E_{2,451}}(4)\right), sgn\left(s_{E_{2,451}}(5.292)\right)\right] = \left[4.0065, 4.0065, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{452}, a_{453}, sgn\left(s_{E_{2,452}}(4)\right), sgn\left(s_{E_{2,452}}(5.292)\right)\right] = \left[4.0065, 4.0065, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{453}, a_{454}, sgn\left(s_{E_{2,453}}(4)\right), sgn\left(s_{E_{2,453}}(5.292)\right)\right] = \left[4.0065, 4.0065, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{454}, a_{455}, sgn\left(s_{E_{2,454}}(4)\right), sgn\left(s_{E_{2,454}}(5.292)\right)\right] = \left[4.0065, 4.0066, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{455}, a_{456}, sgn\left(s_{E_{2,455}}(4)\right), sgn\left(s_{E_{2,455}}(5.292)\right)\right] = \left[4.0066, 4.0066, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{456}, a_{457}, sgn\left(s_{E_{2,456}}(4)\right), sgn\left(s_{E_{2,456}}(5.292)\right)\right] = \left[4.0066, 4.0066, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{457}, a_{458}, sgn\left(s_{E_{2,457}}(4)\right), sgn\left(s_{E_{2,457}}(5.292)\right)\right] = \left[4.0066, 4.0066, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{458}, a_{459}, sgn\left(s_{E_{2,458}}(4)\right), sgn\left(s_{E_{2,458}}(5.292)\right)\right] = \left[4.0066, 4.0066, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{459}, a_{460}, sgn\left(s_{E_{2,459}}(4)\right), sgn\left(s_{E_{2,459}}(5.292)\right)\right] = \left[4.0066, 4.0066, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{460}, a_{461}, sgn\left(s_{E_{2,460}}(4)\right), sgn\left(s_{E_{2,460}}(5.292)\right)\right] = \left[4.0066, 4.0066, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{461}, a_{462}, sgn\left(s_{E_{2,461}}(4)\right), sgn\left(s_{E_{2,461}}(5.292)\right)\right] = \left[4.0066, 4.0066, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{462}, a_{463}, sgn\left(s_{E_{2,462}}(4)\right), sgn\left(s_{E_{2,462}}(5.292)\right)\right] = \left[4.0066, 4.0066, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{463}, a_{464}, sgn\left(s_{E_{2,463}}(4)\right), sgn\left(s_{E_{2,463}}(5.292)\right)\right] = \left[4.0066, 4.0066, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{464}, a_{465}, sgn\left(s_{E_{2,464}}(4)\right), sgn\left(s_{E_{2,464}}(5.292)\right)\right] = \left[4.0066, 4.0066, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{465}, a_{466}, sgn\left(s_{E_{2,465}}(4)\right), sgn\left(s_{E_{2,465}}(5.292)\right)\right] = \left[4.0066, 4.0067, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{466}, a_{467}, sgn\left(s_{E_{2,466}}(4)\right), sgn\left(s_{E_{2,466}}(5.292)\right)\right] = \left[4.0067, 4.0067, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{467}, a_{468}, sgn\left(s_{E_{2,467}}(4)\right), sgn\left(s_{E_{2,467}}(5.292)\right)\right] = \left[4.0067, 4.0067, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{468}, a_{469}, sgn\left(s_{E_{2,468}}(4)\right), sgn\left(s_{E_{2,468}}(5.292)\right)\right] = \left[4.0067, 4.0067, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{469}, a_{470}, sgn\left(s_{E_{2,469}}(4)\right), sgn\left(s_{E_{2,469}}(5.292)\right)\right] = \left[4.0067, 4.0067, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{470}, a_{471}, sgn\left(s_{E_{2,470}}(4)\right), sgn\left(s_{E_{2,470}}(5.292)\right)\right] = \left[4.0067, 4.0067, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{471}, a_{472}, sgn\left(s_{E_{2,471}}(4)\right), sgn\left(s_{E_{2,471}}(5.292)\right)\right] = \left[4.0067, 4.0067, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{472}, a_{473}, sgn\left(s_{E_{2,472}}(4)\right), sgn\left(s_{E_{2,472}}(5.292)\right)\right] = \left[4.0067, 4.0067, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{473}, a_{474}, sgn\left(s_{E_{2,473}}(4)\right), sgn\left(s_{E_{2,473}}(5.292)\right)\right] = \left[4.0067, 4.0067, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{474}, a_{475}, sgn\left(s_{E_{2,474}}(4)\right), sgn\left(s_{E_{2,474}}(5.292)\right)\right] = \left[4.0067, 4.0068, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{475}, a_{476}, sgn\left(s_{E_{2,475}}(4)\right), sgn\left(s_{E_{2,475}}(5.292)\right)\right] = \left[4.0068, 4.0068, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{476}, a_{477}, sgn\left(s_{E_{2,476}}(4)\right), sgn\left(s_{E_{2,476}}(5.292)\right)\right] = \left[4.0068, 4.0068, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{477}, a_{478}, sgn\left(s_{E_{2,477}}(4)\right), sgn\left(s_{E_{2,477}}(5.292)\right)\right] = \left[4.0068, 4.0068, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{478}, a_{479}, sgn\left(s_{E_{2,478}}(4)\right), sgn\left(s_{E_{2,478}}(5.292)\right)\right] = \left[4.0068, 4.0068, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{479}, a_{480}, sgn\left(s_{E_{2,479}}(4)\right), sgn\left(s_{E_{2,479}}(5.292)\right)\right] = \left[4.0068, 4.0068, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{480}, a_{481}, sgn\left(s_{E_{2,480}}(4)\right), sgn\left(s_{E_{2,480}}(5.292)\right)\right] = \left[4.0068, 4.0068, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{481}, a_{482}, sgn\left(s_{E_{2,481}}(4)\right), sgn\left(s_{E_{2,481}}(5.292)\right)\right] = \left[4.0068, 4.0068, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{482}, a_{483}, sgn\left(s_{E_{2,482}}(4)\right), sgn\left(s_{E_{2,482}}(5.292)\right)\right] = \left[4.0068, 4.0068, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{483}, a_{484}, sgn\left(s_{E_{2,483}}(4)\right), sgn\left(s_{E_{2,483}}(5.292)\right)\right] = \left[4.0068, 4.0068, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{484}, a_{485}, sgn\left(s_{E_{2,484}}(4)\right), sgn\left(s_{E_{2,484}}(5.292)\right)\right] = \left[4.0068, 4.0068, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{485}, a_{486}, sgn\left(s_{E_{2,485}}(4)\right), sgn\left(s_{E_{2,485}}(5.292)\right)\right] = \left[4.0068, 4.0069, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{486}, a_{487}, sgn\left(s_{E_{2,486}}(4)\right), sgn\left(s_{E_{2,486}}(5.292)\right)\right] = \left[4.0069, 4.0069, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{487}, a_{488}, sgn\left(s_{E_{2,487}}(4)\right), sgn\left(s_{E_{2,487}}(5.292)\right)\right] = \left[4.0069, 4.0069, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{488}, a_{489}, sgn\left(s_{E_{2,488}}(4)\right), sgn\left(s_{E_{2,488}}(5.292)\right)\right] = \left[4.0069, 4.0069, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{489}, a_{490}, sgn\left(s_{E_{2,489}}(4)\right), sgn\left(s_{E_{2,489}}(5.292)\right)\right] = \left[4.0069, 4.0069, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{490}, a_{491}, sgn\left(s_{E_{2,490}}(4)\right), sgn\left(s_{E_{2,490}}(5.292)\right)\right] = \left[4.0069, 4.0069, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{491}, a_{492}, sgn\left(s_{E_{2,491}}(4)\right), sgn\left(s_{E_{2,491}}(5.292)\right)\right] = \left[4.0069, 4.0069, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{492}, a_{493}, sgn\left(s_{E_{2,492}}(4)\right), sgn\left(s_{E_{2,492}}(5.292)\right)\right] = \left[4.0069, 4.0069, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{493}, a_{494}, sgn\left(s_{E_{2,493}}(4)\right), sgn\left(s_{E_{2,493}}(5.292)\right)\right] = \left[4.0069, 4.0069, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{494}, a_{495}, sgn\left(s_{E_{2,494}}(4)\right), sgn\left(s_{E_{2,494}}(5.292)\right)\right] = \left[4.0069, 4.0070, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{495}, a_{496}, sgn\left(s_{E_{2,495}}(4)\right), sgn\left(s_{E_{2,495}}(5.292)\right)\right] = \left[4.0070, 4.0070, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{496}, a_{497}, sgn\left(s_{E_{2,496}}(4)\right), sgn\left(s_{E_{2,496}}(5.292)\right)\right] = \left[4.0070, 4.0070, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{497}, a_{498}, sgn\left(s_{E_{2,497}}(4)\right), sgn\left(s_{E_{2,497}}(5.292)\right)\right] = \left[4.0070, 4.0070, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{498}, a_{499}, sgn\left(s_{E_{2,498}}(4)\right), sgn\left(s_{E_{2,498}}(5.292)\right)\right] = \left[4.0070, 4.0070, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{499}, a_{500}, sgn\left(s_{E_{2,499}}(4)\right), sgn\left(s_{E_{2,499}}(5.292)\right)\right] = \left[4.0070, 4.0070, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{500}, a_{501}, sgn\left(s_{E_{2,500}}(4)\right), sgn\left(s_{E_{2,500}}(5.292)\right)\right] = \left[4.0070, 4.0070, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{501}, a_{502}, sgn\left(s_{E_{2,501}}(4)\right), sgn\left(s_{E_{2,501}}(5.292)\right)\right] = \left[4.0070, 4.0070, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{502}, a_{503}, sgn\left(s_{E_{2,502}}(4)\right), sgn\left(s_{E_{2,502}}(5.292)\right)\right] = \left[4.0070, 4.0070, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{503}, a_{504}, sgn\left(s_{E_{2,503}}(4)\right), sgn\left(s_{E_{2,503}}(5.292)\right)\right] = \left[4.0070, 4.0070, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{504}, a_{505}, sgn\left(s_{E_{2,504}}(4)\right), sgn\left(s_{E_{2,504}}(5.292)\right)\right] = \left[4.0070, 4.0070, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{505}, a_{506}, sgn\left(s_{E_{2,505}}(4)\right), sgn\left(s_{E_{2,505}}(5.292)\right)\right] = \left[4.0070, 4.0071, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{506}, a_{507}, sgn\left(s_{E_{2,506}}(4)\right), sgn\left(s_{E_{2,506}}(5.292)\right)\right] = \left[4.0071, 4.0071, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{507}, a_{508}, sgn\left(s_{E_{2,507}}(4)\right), sgn\left(s_{E_{2,507}}(5.292)\right)\right] = \left[4.0071, 4.0071, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{508}, a_{509}, sgn\left(s_{E_{2,508}}(4)\right), sgn\left(s_{E_{2,508}}(5.292)\right)\right] = \left[4.0071, 4.0071, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{509}, a_{510}, sgn\left(s_{E_{2,509}}(4)\right), sgn\left(s_{E_{2,509}}(5.292)\right)\right] = \left[4.0071, 4.0071, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{510}, a_{511}, sgn\left(s_{E_{2,510}}(4)\right), sgn\left(s_{E_{2,510}}(5.292)\right)\right] = \left[4.0071, 4.0071, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{511}, a_{512}, sgn\left(s_{E_{2,511}}(4)\right), sgn\left(s_{E_{2,511}}(5.292)\right)\right] = \left[4.0071, 4.0071, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{512}, a_{513}, sgn\left(s_{E_{2,512}}(4)\right), sgn\left(s_{E_{2,512}}(5.292)\right)\right] = \left[4.0071, 4.0071, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{513}, a_{514}, sgn\left(s_{E_{2,513}}(4)\right), sgn\left(s_{E_{2,513}}(5.292)\right)\right] = \left[4.0071, 4.0071, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{514}, a_{515}, sgn\left(s_{E_{2,514}}(4)\right), sgn\left(s_{E_{2,514}}(5.292)\right)\right] = \left[4.0071, 4.0072, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{515}, a_{516}, sgn\left(s_{E_{2,515}}(4)\right), sgn\left(s_{E_{2,515}}(5.292)\right)\right] = \left[4.0072, 4.0072, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{516}, a_{517}, sgn\left(s_{E_{2,516}}(4)\right), sgn\left(s_{E_{2,516}}(5.292)\right)\right] = \left[4.0072, 4.0072, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{517}, a_{518}, sgn\left(s_{E_{2,517}}(4)\right), sgn\left(s_{E_{2,517}}(5.292)\right)\right] = \left[4.0072, 4.0072, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{518}, a_{519}, sgn\left(s_{E_{2,518}}(4)\right), sgn\left(s_{E_{2,518}}(5.292)\right)\right] = \left[4.0072, 4.0072, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{519}, a_{520}, sgn\left(s_{E_{2,519}}(4)\right), sgn\left(s_{E_{2,519}}(5.292)\right)\right] = \left[4.0072, 4.0072, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{520}, a_{521}, sgn\left(s_{E_{2,520}}(4)\right), sgn\left(s_{E_{2,520}}(5.292)\right)\right] = \left[4.0072, 4.0072, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{521}, a_{522}, sgn\left(s_{E_{2,521}}(4)\right), sgn\left(s_{E_{2,521}}(5.292)\right)\right] = \left[4.0072, 4.0072, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{522}, a_{523}, sgn\left(s_{E_{2,522}}(4)\right), sgn\left(s_{E_{2,522}}(5.292)\right)\right] = \left[4.0072, 4.0072, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{523}, a_{524}, sgn\left(s_{E_{2,523}}(4)\right), sgn\left(s_{E_{2,523}}(5.292)\right)\right] = \left[4.0072, 4.0072, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{524}, a_{525}, sgn\left(s_{E_{2,524}}(4)\right), sgn\left(s_{E_{2,524}}(5.292)\right)\right] = \left[4.0072, 4.0072, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{525}, a_{526}, sgn\left(s_{E_{2,525}}(4)\right), sgn\left(s_{E_{2,525}}(5.292)\right)\right] = \left[4.0072, 4.0073, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{526}, a_{527}, sgn\left(s_{E_{2,526}}(4)\right), sgn\left(s_{E_{2,526}}(5.292)\right)\right] = \left[4.0073, 4.0073, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{527}, a_{528}, sgn\left(s_{E_{2,527}}(4)\right), sgn\left(s_{E_{2,527}}(5.292)\right)\right] = \left[4.0073, 4.0073, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{528}, a_{529}, sgn\left(s_{E_{2,528}}(4)\right), sgn\left(s_{E_{2,528}}(5.292)\right)\right] = \left[4.0073, 4.0073, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{529}, a_{530}, sgn\left(s_{E_{2,529}}(4)\right), sgn\left(s_{E_{2,529}}(5.292)\right)\right] = \left[4.0073, 4.0073, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{530}, a_{531}, sgn\left(s_{E_{2,530}}(4)\right), sgn\left(s_{E_{2,530}}(5.292)\right)\right] = \left[4.0073, 4.0073, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{531}, a_{532}, sgn\left(s_{E_{2,531}}(4)\right), sgn\left(s_{E_{2,531}}(5.292)\right)\right] = \left[4.0073, 4.0073, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{532}, a_{533}, sgn\left(s_{E_{2,532}}(4)\right), sgn\left(s_{E_{2,532}}(5.292)\right)\right] = \left[4.0073, 4.0073, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{533}, a_{534}, sgn\left(s_{E_{2,533}}(4)\right), sgn\left(s_{E_{2,533}}(5.292)\right)\right] = \left[4.0073, 4.0073, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{534}, a_{535}, sgn\left(s_{E_{2,534}}(4)\right), sgn\left(s_{E_{2,534}}(5.292)\right)\right] = \left[4.0073, 4.0074, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{535}, a_{536}, sgn\left(s_{E_{2,535}}(4)\right), sgn\left(s_{E_{2,535}}(5.292)\right)\right] = \left[4.0074, 4.0074, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{536}, a_{537}, sgn\left(s_{E_{2,536}}(4)\right), sgn\left(s_{E_{2,536}}(5.292)\right)\right] = \left[4.0074, 4.0074, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{537}, a_{538}, sgn\left(s_{E_{2,537}}(4)\right), sgn\left(s_{E_{2,537}}(5.292)\right)\right] = \left[4.0074, 4.0074, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{538}, a_{539}, sgn\left(s_{E_{2,538}}(4)\right), sgn\left(s_{E_{2,538}}(5.292)\right)\right] = \left[4.0074, 4.0074, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{539}, a_{540}, sgn\left(s_{E_{2,539}}(4)\right), sgn\left(s_{E_{2,539}}(5.292)\right)\right] = \left[4.0074, 4.0074, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{540}, a_{541}, sgn\left(s_{E_{2,540}}(4)\right), sgn\left(s_{E_{2,540}}(5.292)\right)\right] = \left[4.0074, 4.0074, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{541}, a_{542}, sgn\left(s_{E_{2,541}}(4)\right), sgn\left(s_{E_{2,541}}(5.292)\right)\right] = \left[4.0074, 4.0074, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{542}, a_{543}, sgn\left(s_{E_{2,542}}(4)\right), sgn\left(s_{E_{2,542}}(5.292)\right)\right] = \left[4.0074, 4.0074, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{543}, a_{544}, sgn\left(s_{E_{2,543}}(4)\right), sgn\left(s_{E_{2,543}}(5.292)\right)\right] = \left[4.0074, 4.0074, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{544}, a_{545}, sgn\left(s_{E_{2,544}}(4)\right), sgn\left(s_{E_{2,544}}(5.292)\right)\right] = \left[4.0074, 4.0074, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{545}, a_{546}, sgn\left(s_{E_{2,545}}(4)\right), sgn\left(s_{E_{2,545}}(5.292)\right)\right] = \left[4.0074, 4.0075, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{546}, a_{547}, sgn\left(s_{E_{2,546}}(4)\right), sgn\left(s_{E_{2,546}}(5.292)\right)\right] = \left[4.0075, 4.0075, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{547}, a_{548}, sgn\left(s_{E_{2,547}}(4)\right), sgn\left(s_{E_{2,547}}(5.292)\right)\right] = \left[4.0075, 4.0075, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{548}, a_{549}, sgn\left(s_{E_{2,548}}(4)\right), sgn\left(s_{E_{2,548}}(5.292)\right)\right] = \left[4.0075, 4.0075, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{549}, a_{550}, sgn\left(s_{E_{2,549}}(4)\right), sgn\left(s_{E_{2,549}}(5.292)\right)\right] = \left[4.0075, 4.0075, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{550}, a_{551}, sgn\left(s_{E_{2,550}}(4)\right), sgn\left(s_{E_{2,550}}(5.292)\right)\right] = \left[4.0075, 4.0075, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{551}, a_{552}, sgn\left(s_{E_{2,551}}(4)\right), sgn\left(s_{E_{2,551}}(5.292)\right)\right] = \left[4.0075, 4.0075, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{552}, a_{553}, sgn\left(s_{E_{2,552}}(4)\right), sgn\left(s_{E_{2,552}}(5.292)\right)\right] = \left[4.0075, 4.0075, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{553}, a_{554}, sgn\left(s_{E_{2,553}}(4)\right), sgn\left(s_{E_{2,553}}(5.292)\right)\right] = \left[4.0075, 4.0075, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{554}, a_{555}, sgn\left(s_{E_{2,554}}(4)\right), sgn\left(s_{E_{2,554}}(5.292)\right)\right] = \left[4.0075, 4.0076, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{555}, a_{556}, sgn\left(s_{E_{2,555}}(4)\right), sgn\left(s_{E_{2,555}}(5.292)\right)\right] = \left[4.0076, 4.0076, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{556}, a_{557}, sgn\left(s_{E_{2,556}}(4)\right), sgn\left(s_{E_{2,556}}(5.292)\right)\right] = \left[4.0076, 4.0076, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{557}, a_{558}, sgn\left(s_{E_{2,557}}(4)\right), sgn\left(s_{E_{2,557}}(5.292)\right)\right] = \left[4.0076, 4.0076, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{558}, a_{559}, sgn\left(s_{E_{2,558}}(4)\right), sgn\left(s_{E_{2,558}}(5.292)\right)\right] = \left[4.0076, 4.0076, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{559}, a_{560}, sgn\left(s_{E_{2,559}}(4)\right), sgn\left(s_{E_{2,559}}(5.292)\right)\right] = \left[4.0076, 4.0076, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{560}, a_{561}, sgn\left(s_{E_{2,560}}(4)\right), sgn\left(s_{E_{2,560}}(5.292)\right)\right] = \left[4.0076, 4.0076, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{561}, a_{562}, sgn\left(s_{E_{2,561}}(4)\right), sgn\left(s_{E_{2,561}}(5.292)\right)\right] = \left[4.0076, 4.0076, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{562}, a_{563}, sgn\left(s_{E_{2,562}}(4)\right), sgn\left(s_{E_{2,562}}(5.292)\right)\right] = \left[4.0076, 4.0076, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{563}, a_{564}, sgn\left(s_{E_{2,563}}(4)\right), sgn\left(s_{E_{2,563}}(5.292)\right)\right] = \left[4.0076, 4.0076, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{564}, a_{565}, sgn\left(s_{E_{2,564}}(4)\right), sgn\left(s_{E_{2,564}}(5.292)\right)\right] = \left[4.0076, 4.0076, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{565}, a_{566}, sgn\left(s_{E_{2,565}}(4)\right), sgn\left(s_{E_{2,565}}(5.292)\right)\right] = \left[4.0076, 4.0077, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{566}, a_{567}, sgn\left(s_{E_{2,566}}(4)\right), sgn\left(s_{E_{2,566}}(5.292)\right)\right] = \left[4.0077, 4.0077, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{567}, a_{568}, sgn\left(s_{E_{2,567}}(4)\right), sgn\left(s_{E_{2,567}}(5.292)\right)\right] = \left[4.0077, 4.0077, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{568}, a_{569}, sgn\left(s_{E_{2,568}}(4)\right), sgn\left(s_{E_{2,568}}(5.292)\right)\right] = \left[4.0077, 4.0077, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{569}, a_{570}, sgn\left(s_{E_{2,569}}(4)\right), sgn\left(s_{E_{2,569}}(5.292)\right)\right] = \left[4.0077, 4.0077, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{570}, a_{571}, sgn\left(s_{E_{2,570}}(4)\right), sgn\left(s_{E_{2,570}}(5.292)\right)\right] = \left[4.0077, 4.0077, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{571}, a_{572}, sgn\left(s_{E_{2,571}}(4)\right), sgn\left(s_{E_{2,571}}(5.292)\right)\right] = \left[4.0077, 4.0077, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{572}, a_{573}, sgn\left(s_{E_{2,572}}(4)\right), sgn\left(s_{E_{2,572}}(5.292)\right)\right] = \left[4.0077, 4.0077, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{573}, a_{574}, sgn\left(s_{E_{2,573}}(4)\right), sgn\left(s_{E_{2,573}}(5.292)\right)\right] = \left[4.0077, 4.0077, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{574}, a_{575}, sgn\left(s_{E_{2,574}}(4)\right), sgn\left(s_{E_{2,574}}(5.292)\right)\right] = \left[4.0077, 4.0078, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{575}, a_{576}, sgn\left(s_{E_{2,575}}(4)\right), sgn\left(s_{E_{2,575}}(5.292)\right)\right] = \left[4.0078, 4.0078, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{576}, a_{577}, sgn\left(s_{E_{2,576}}(4)\right), sgn\left(s_{E_{2,576}}(5.292)\right)\right] = \left[4.0078, 4.0078, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{577}, a_{578}, sgn\left(s_{E_{2,577}}(4)\right), sgn\left(s_{E_{2,577}}(5.292)\right)\right] = \left[4.0078, 4.0078, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{578}, a_{579}, sgn\left(s_{E_{2,578}}(4)\right), sgn\left(s_{E_{2,578}}(5.292)\right)\right] = \left[4.0078, 4.0078, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{579}, a_{580}, sgn\left(s_{E_{2,579}}(4)\right), sgn\left(s_{E_{2,579}}(5.292)\right)\right] = \left[4.0078, 4.0078, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{580}, a_{581}, sgn\left(s_{E_{2,580}}(4)\right), sgn\left(s_{E_{2,580}}(5.292)\right)\right] = \left[4.0078, 4.0078, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{581}, a_{582}, sgn\left(s_{E_{2,581}}(4)\right), sgn\left(s_{E_{2,581}}(5.292)\right)\right] = \left[4.0078, 4.0078, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{582}, a_{583}, sgn\left(s_{E_{2,582}}(4)\right), sgn\left(s_{E_{2,582}}(5.292)\right)\right] = \left[4.0078, 4.0078, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{583}, a_{584}, sgn\left(s_{E_{2,583}}(4)\right), sgn\left(s_{E_{2,583}}(5.292)\right)\right] = \left[4.0078, 4.0078, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{584}, a_{585}, sgn\left(s_{E_{2,584}}(4)\right), sgn\left(s_{E_{2,584}}(5.292)\right)\right] = \left[4.0078, 4.0078, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{585}, a_{586}, sgn\left(s_{E_{2,585}}(4)\right), sgn\left(s_{E_{2,585}}(5.292)\right)\right] = \left[4.0078, 4.0079, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{586}, a_{587}, sgn\left(s_{E_{2,586}}(4)\right), sgn\left(s_{E_{2,586}}(5.292)\right)\right] = \left[4.0079, 4.0079, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{587}, a_{588}, sgn\left(s_{E_{2,587}}(4)\right), sgn\left(s_{E_{2,587}}(5.292)\right)\right] = \left[4.0079, 4.0079, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{588}, a_{589}, sgn\left(s_{E_{2,588}}(4)\right), sgn\left(s_{E_{2,588}}(5.292)\right)\right] = \left[4.0079, 4.0079, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{589}, a_{590}, sgn\left(s_{E_{2,589}}(4)\right), sgn\left(s_{E_{2,589}}(5.292)\right)\right] = \left[4.0079, 4.0079, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{590}, a_{591}, sgn\left(s_{E_{2,590}}(4)\right), sgn\left(s_{E_{2,590}}(5.292)\right)\right] = \left[4.0079, 4.0079, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{591}, a_{592}, sgn\left(s_{E_{2,591}}(4)\right), sgn\left(s_{E_{2,591}}(5.292)\right)\right] = \left[4.0079, 4.0079, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{592}, a_{593}, sgn\left(s_{E_{2,592}}(4)\right), sgn\left(s_{E_{2,592}}(5.292)\right)\right] = \left[4.0079, 4.0079, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{593}, a_{594}, sgn\left(s_{E_{2,593}}(4)\right), sgn\left(s_{E_{2,593}}(5.292)\right)\right] = \left[4.0079, 4.0079, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{594}, a_{595}, sgn\left(s_{E_{2,594}}(4)\right), sgn\left(s_{E_{2,594}}(5.292)\right)\right] = \left[4.0079, 4.0080, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{595}, a_{596}, sgn\left(s_{E_{2,595}}(4)\right), sgn\left(s_{E_{2,595}}(5.292)\right)\right] = \left[4.0080, 4.0080, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{596}, a_{597}, sgn\left(s_{E_{2,596}}(4)\right), sgn\left(s_{E_{2,596}}(5.292)\right)\right] = \left[4.0080, 4.0080, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{597}, a_{598}, sgn\left(s_{E_{2,597}}(4)\right), sgn\left(s_{E_{2,597}}(5.292)\right)\right] = \left[4.0080, 4.0080, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{598}, a_{599}, sgn\left(s_{E_{2,598}}(4)\right), sgn\left(s_{E_{2,598}}(5.292)\right)\right] = \left[4.0080, 4.0080, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{599}, a_{600}, sgn\left(s_{E_{2,599}}(4)\right), sgn\left(s_{E_{2,599}}(5.292)\right)\right] = \left[4.0080, 4.0080, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{600}, a_{601}, sgn\left(s_{E_{2,600}}(4)\right), sgn\left(s_{E_{2,600}}(5.292)\right)\right] = \left[4.0080, 4.0080, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{601}, a_{602}, sgn\left(s_{E_{2,601}}(4)\right), sgn\left(s_{E_{2,601}}(5.292)\right)\right] = \left[4.0080, 4.0080, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{602}, a_{603}, sgn\left(s_{E_{2,602}}(4)\right), sgn\left(s_{E_{2,602}}(5.292)\right)\right] = \left[4.0080, 4.0080, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{603}, a_{604}, sgn\left(s_{E_{2,603}}(4)\right), sgn\left(s_{E_{2,603}}(5.292)\right)\right] = \left[4.0080, 4.0080, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{604}, a_{605}, sgn\left(s_{E_{2,604}}(4)\right), sgn\left(s_{E_{2,604}}(5.292)\right)\right] = \left[4.0080, 4.0080, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{605}, a_{606}, sgn\left(s_{E_{2,605}}(4)\right), sgn\left(s_{E_{2,605}}(5.292)\right)\right] = \left[4.0080, 4.0081, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{606}, a_{607}, sgn\left(s_{E_{2,606}}(4)\right), sgn\left(s_{E_{2,606}}(5.292)\right)\right] = \left[4.0081, 4.0081, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{607}, a_{608}, sgn\left(s_{E_{2,607}}(4)\right), sgn\left(s_{E_{2,607}}(5.292)\right)\right] = \left[4.0081, 4.0081, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{608}, a_{609}, sgn\left(s_{E_{2,608}}(4)\right), sgn\left(s_{E_{2,608}}(5.292)\right)\right] = \left[4.0081, 4.0081, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{609}, a_{610}, sgn\left(s_{E_{2,609}}(4)\right), sgn\left(s_{E_{2,609}}(5.292)\right)\right] = \left[4.0081, 4.0081, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{610}, a_{611}, sgn\left(s_{E_{2,610}}(4)\right), sgn\left(s_{E_{2,610}}(5.292)\right)\right] = \left[4.0081, 4.0081, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{611}, a_{612}, sgn\left(s_{E_{2,611}}(4)\right), sgn\left(s_{E_{2,611}}(5.292)\right)\right] = \left[4.0081, 4.0081, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{612}, a_{613}, sgn\left(s_{E_{2,612}}(4)\right), sgn\left(s_{E_{2,612}}(5.292)\right)\right] = \left[4.0081, 4.0081, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{613}, a_{614}, sgn\left(s_{E_{2,613}}(4)\right), sgn\left(s_{E_{2,613}}(5.292)\right)\right] = \left[4.0081, 4.0081, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{614}, a_{615}, sgn\left(s_{E_{2,614}}(4)\right), sgn\left(s_{E_{2,614}}(5.292)\right)\right] = \left[4.0081, 4.0082, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{615}, a_{616}, sgn\left(s_{E_{2,615}}(4)\right), sgn\left(s_{E_{2,615}}(5.292)\right)\right] = \left[4.0082, 4.0082, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{616}, a_{617}, sgn\left(s_{E_{2,616}}(4)\right), sgn\left(s_{E_{2,616}}(5.292)\right)\right] = \left[4.0082, 4.0082, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{617}, a_{618}, sgn\left(s_{E_{2,617}}(4)\right), sgn\left(s_{E_{2,617}}(5.292)\right)\right] = \left[4.0082, 4.0082, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{618}, a_{619}, sgn\left(s_{E_{2,618}}(4)\right), sgn\left(s_{E_{2,618}}(5.292)\right)\right] = \left[4.0082, 4.0082, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{619}, a_{620}, sgn\left(s_{E_{2,619}}(4)\right), sgn\left(s_{E_{2,619}}(5.292)\right)\right] = \left[4.0082, 4.0082, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{620}, a_{621}, sgn\left(s_{E_{2,620}}(4)\right), sgn\left(s_{E_{2,620}}(5.292)\right)\right] = \left[4.0082, 4.0082, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{621}, a_{622}, sgn\left(s_{E_{2,621}}(4)\right), sgn\left(s_{E_{2,621}}(5.292)\right)\right] = \left[4.0082, 4.0082, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{622}, a_{623}, sgn\left(s_{E_{2,622}}(4)\right), sgn\left(s_{E_{2,622}}(5.292)\right)\right] = \left[4.0082, 4.0082, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{623}, a_{624}, sgn\left(s_{E_{2,623}}(4)\right), sgn\left(s_{E_{2,623}}(5.292)\right)\right] = \left[4.0082, 4.0082, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{624}, a_{625}, sgn\left(s_{E_{2,624}}(4)\right), sgn\left(s_{E_{2,624}}(5.292)\right)\right] = \left[4.0082, 4.0082, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{625}, a_{626}, sgn\left(s_{E_{2,625}}(4)\right), sgn\left(s_{E_{2,625}}(5.292)\right)\right] = \left[4.0082, 4.0083, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{626}, a_{627}, sgn\left(s_{E_{2,626}}(4)\right), sgn\left(s_{E_{2,626}}(5.292)\right)\right] = \left[4.0083, 4.0083, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{627}, a_{628}, sgn\left(s_{E_{2,627}}(4)\right), sgn\left(s_{E_{2,627}}(5.292)\right)\right] = \left[4.0083, 4.0083, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{628}, a_{629}, sgn\left(s_{E_{2,628}}(4)\right), sgn\left(s_{E_{2,628}}(5.292)\right)\right] = \left[4.0083, 4.0083, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{629}, a_{630}, sgn\left(s_{E_{2,629}}(4)\right), sgn\left(s_{E_{2,629}}(5.292)\right)\right] = \left[4.0083, 4.0083, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{630}, a_{631}, sgn\left(s_{E_{2,630}}(4)\right), sgn\left(s_{E_{2,630}}(5.292)\right)\right] = \left[4.0083, 4.0083, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{631}, a_{632}, sgn\left(s_{E_{2,631}}(4)\right), sgn\left(s_{E_{2,631}}(5.292)\right)\right] = \left[4.0083, 4.0083, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{632}, a_{633}, sgn\left(s_{E_{2,632}}(4)\right), sgn\left(s_{E_{2,632}}(5.292)\right)\right] = \left[4.0083, 4.0083, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{633}, a_{634}, sgn\left(s_{E_{2,633}}(4)\right), sgn\left(s_{E_{2,633}}(5.292)\right)\right] = \left[4.0083, 4.0083, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{634}, a_{635}, sgn\left(s_{E_{2,634}}(4)\right), sgn\left(s_{E_{2,634}}(5.292)\right)\right] = \left[4.0083, 4.0084, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{635}, a_{636}, sgn\left(s_{E_{2,635}}(4)\right), sgn\left(s_{E_{2,635}}(5.292)\right)\right] = \left[4.0084, 4.0084, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{636}, a_{637}, sgn\left(s_{E_{2,636}}(4)\right), sgn\left(s_{E_{2,636}}(5.292)\right)\right] = \left[4.0084, 4.0084, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{637}, a_{638}, sgn\left(s_{E_{2,637}}(4)\right), sgn\left(s_{E_{2,637}}(5.292)\right)\right] = \left[4.0084, 4.0084, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{638}, a_{639}, sgn\left(s_{E_{2,638}}(4)\right), sgn\left(s_{E_{2,638}}(5.292)\right)\right] = \left[4.0084, 4.0084, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{639}, a_{640}, sgn\left(s_{E_{2,639}}(4)\right), sgn\left(s_{E_{2,639}}(5.292)\right)\right] = \left[4.0084, 4.0084, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{640}, a_{641}, sgn\left(s_{E_{2,640}}(4)\right), sgn\left(s_{E_{2,640}}(5.292)\right)\right] = \left[4.0084, 4.0084, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{641}, a_{642}, sgn\left(s_{E_{2,641}}(4)\right), sgn\left(s_{E_{2,641}}(5.292)\right)\right] = \left[4.0084, 4.0084, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{642}, a_{643}, sgn\left(s_{E_{2,642}}(4)\right), sgn\left(s_{E_{2,642}}(5.292)\right)\right] = \left[4.0084, 4.0084, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{643}, a_{644}, sgn\left(s_{E_{2,643}}(4)\right), sgn\left(s_{E_{2,643}}(5.292)\right)\right] = \left[4.0084, 4.0084, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{644}, a_{645}, sgn\left(s_{E_{2,644}}(4)\right), sgn\left(s_{E_{2,644}}(5.292)\right)\right] = \left[4.0084, 4.0084, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{645}, a_{646}, sgn\left(s_{E_{2,645}}(4)\right), sgn\left(s_{E_{2,645}}(5.292)\right)\right] = \left[4.0084, 4.0085, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{646}, a_{647}, sgn\left(s_{E_{2,646}}(4)\right), sgn\left(s_{E_{2,646}}(5.292)\right)\right] = \left[4.0085, 4.0085, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{647}, a_{648}, sgn\left(s_{E_{2,647}}(4)\right), sgn\left(s_{E_{2,647}}(5.292)\right)\right] = \left[4.0085, 4.0085, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{648}, a_{649}, sgn\left(s_{E_{2,648}}(4)\right), sgn\left(s_{E_{2,648}}(5.292)\right)\right] = \left[4.0085, 4.0085, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{649}, a_{650}, sgn\left(s_{E_{2,649}}(4)\right), sgn\left(s_{E_{2,649}}(5.292)\right)\right] = \left[4.0085, 4.0085, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{650}, a_{651}, sgn\left(s_{E_{2,650}}(4)\right), sgn\left(s_{E_{2,650}}(5.292)\right)\right] = \left[4.0085, 4.0085, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{651}, a_{652}, sgn\left(s_{E_{2,651}}(4)\right), sgn\left(s_{E_{2,651}}(5.292)\right)\right] = \left[4.0085, 4.0085, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{652}, a_{653}, sgn\left(s_{E_{2,652}}(4)\right), sgn\left(s_{E_{2,652}}(5.292)\right)\right] = \left[4.0085, 4.0085, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{653}, a_{654}, sgn\left(s_{E_{2,653}}(4)\right), sgn\left(s_{E_{2,653}}(5.292)\right)\right] = \left[4.0085, 4.0085, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{654}, a_{655}, sgn\left(s_{E_{2,654}}(4)\right), sgn\left(s_{E_{2,654}}(5.292)\right)\right] = \left[4.0085, 4.0086, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{655}, a_{656}, sgn\left(s_{E_{2,655}}(4)\right), sgn\left(s_{E_{2,655}}(5.292)\right)\right] = \left[4.0086, 4.0086, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{656}, a_{657}, sgn\left(s_{E_{2,656}}(4)\right), sgn\left(s_{E_{2,656}}(5.292)\right)\right] = \left[4.0086, 4.0086, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{657}, a_{658}, sgn\left(s_{E_{2,657}}(4)\right), sgn\left(s_{E_{2,657}}(5.292)\right)\right] = \left[4.0086, 4.0086, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{658}, a_{659}, sgn\left(s_{E_{2,658}}(4)\right), sgn\left(s_{E_{2,658}}(5.292)\right)\right] = \left[4.0086, 4.0086, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{659}, a_{660}, sgn\left(s_{E_{2,659}}(4)\right), sgn\left(s_{E_{2,659}}(5.292)\right)\right] = \left[4.0086, 4.0086, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{660}, a_{661}, sgn\left(s_{E_{2,660}}(4)\right), sgn\left(s_{E_{2,660}}(5.292)\right)\right] = \left[4.0086, 4.0086, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{661}, a_{662}, sgn\left(s_{E_{2,661}}(4)\right), sgn\left(s_{E_{2,661}}(5.292)\right)\right] = \left[4.0086, 4.0086, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{662}, a_{663}, sgn\left(s_{E_{2,662}}(4)\right), sgn\left(s_{E_{2,662}}(5.292)\right)\right] = \left[4.0086, 4.0086, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{663}, a_{664}, sgn\left(s_{E_{2,663}}(4)\right), sgn\left(s_{E_{2,663}}(5.292)\right)\right] = \left[4.0086, 4.0086, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{664}, a_{665}, sgn\left(s_{E_{2,664}}(4)\right), sgn\left(s_{E_{2,664}}(5.292)\right)\right] = \left[4.0086, 4.0086, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{665}, a_{666}, sgn\left(s_{E_{2,665}}(4)\right), sgn\left(s_{E_{2,665}}(5.292)\right)\right] = \left[4.0086, 4.0087, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{666}, a_{667}, sgn\left(s_{E_{2,666}}(4)\right), sgn\left(s_{E_{2,666}}(5.292)\right)\right] = \left[4.0087, 4.0087, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{667}, a_{668}, sgn\left(s_{E_{2,667}}(4)\right), sgn\left(s_{E_{2,667}}(5.292)\right)\right] = \left[4.0087, 4.0087, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{668}, a_{669}, sgn\left(s_{E_{2,668}}(4)\right), sgn\left(s_{E_{2,668}}(5.292)\right)\right] = \left[4.0087, 4.0087, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{669}, a_{670}, sgn\left(s_{E_{2,669}}(4)\right), sgn\left(s_{E_{2,669}}(5.292)\right)\right] = \left[4.0087, 4.0087, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{670}, a_{671}, sgn\left(s_{E_{2,670}}(4)\right), sgn\left(s_{E_{2,670}}(5.292)\right)\right] = \left[4.0087, 4.0087, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{671}, a_{672}, sgn\left(s_{E_{2,671}}(4)\right), sgn\left(s_{E_{2,671}}(5.292)\right)\right] = \left[4.0087, 4.0087, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{672}, a_{673}, sgn\left(s_{E_{2,672}}(4)\right), sgn\left(s_{E_{2,672}}(5.292)\right)\right] = \left[4.0087, 4.0087, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{673}, a_{674}, sgn\left(s_{E_{2,673}}(4)\right), sgn\left(s_{E_{2,673}}(5.292)\right)\right] = \left[4.0087, 4.0087, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{674}, a_{675}, sgn\left(s_{E_{2,674}}(4)\right), sgn\left(s_{E_{2,674}}(5.292)\right)\right] = \left[4.0087, 4.0088, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{675}, a_{676}, sgn\left(s_{E_{2,675}}(4)\right), sgn\left(s_{E_{2,675}}(5.292)\right)\right] = \left[4.0088, 4.0088, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{676}, a_{677}, sgn\left(s_{E_{2,676}}(4)\right), sgn\left(s_{E_{2,676}}(5.292)\right)\right] = \left[4.0088, 4.0088, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{677}, a_{678}, sgn\left(s_{E_{2,677}}(4)\right), sgn\left(s_{E_{2,677}}(5.292)\right)\right] = \left[4.0088, 4.0088, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{678}, a_{679}, sgn\left(s_{E_{2,678}}(4)\right), sgn\left(s_{E_{2,678}}(5.292)\right)\right] = \left[4.0088, 4.0088, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{679}, a_{680}, sgn\left(s_{E_{2,679}}(4)\right), sgn\left(s_{E_{2,679}}(5.292)\right)\right] = \left[4.0088, 4.0088, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{680}, a_{681}, sgn\left(s_{E_{2,680}}(4)\right), sgn\left(s_{E_{2,680}}(5.292)\right)\right] = \left[4.0088, 4.0088, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{681}, a_{682}, sgn\left(s_{E_{2,681}}(4)\right), sgn\left(s_{E_{2,681}}(5.292)\right)\right] = \left[4.0088, 4.0088, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{682}, a_{683}, sgn\left(s_{E_{2,682}}(4)\right), sgn\left(s_{E_{2,682}}(5.292)\right)\right] = \left[4.0088, 4.0088, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{683}, a_{684}, sgn\left(s_{E_{2,683}}(4)\right), sgn\left(s_{E_{2,683}}(5.292)\right)\right] = \left[4.0088, 4.0088, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{684}, a_{685}, sgn\left(s_{E_{2,684}}(4)\right), sgn\left(s_{E_{2,684}}(5.292)\right)\right] = \left[4.0088, 4.0088, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{685}, a_{686}, sgn\left(s_{E_{2,685}}(4)\right), sgn\left(s_{E_{2,685}}(5.292)\right)\right] = \left[4.0088, 4.0089, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{686}, a_{687}, sgn\left(s_{E_{2,686}}(4)\right), sgn\left(s_{E_{2,686}}(5.292)\right)\right] = \left[4.0089, 4.0089, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{687}, a_{688}, sgn\left(s_{E_{2,687}}(4)\right), sgn\left(s_{E_{2,687}}(5.292)\right)\right] = \left[4.0089, 4.0089, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{688}, a_{689}, sgn\left(s_{E_{2,688}}(4)\right), sgn\left(s_{E_{2,688}}(5.292)\right)\right] = \left[4.0089, 4.0089, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{689}, a_{690}, sgn\left(s_{E_{2,689}}(4)\right), sgn\left(s_{E_{2,689}}(5.292)\right)\right] = \left[4.0089, 4.0089, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{690}, a_{691}, sgn\left(s_{E_{2,690}}(4)\right), sgn\left(s_{E_{2,690}}(5.292)\right)\right] = \left[4.0089, 4.0089, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{691}, a_{692}, sgn\left(s_{E_{2,691}}(4)\right), sgn\left(s_{E_{2,691}}(5.292)\right)\right] = \left[4.0089, 4.0089, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{692}, a_{693}, sgn\left(s_{E_{2,692}}(4)\right), sgn\left(s_{E_{2,692}}(5.292)\right)\right] = \left[4.0089, 4.0089, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{693}, a_{694}, sgn\left(s_{E_{2,693}}(4)\right), sgn\left(s_{E_{2,693}}(5.292)\right)\right] = \left[4.0089, 4.0089, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{694}, a_{695}, sgn\left(s_{E_{2,694}}(4)\right), sgn\left(s_{E_{2,694}}(5.292)\right)\right] = \left[4.0089, 4.0090, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{695}, a_{696}, sgn\left(s_{E_{2,695}}(4)\right), sgn\left(s_{E_{2,695}}(5.292)\right)\right] = \left[4.0090, 4.0090, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{696}, a_{697}, sgn\left(s_{E_{2,696}}(4)\right), sgn\left(s_{E_{2,696}}(5.292)\right)\right] = \left[4.0090, 4.0090, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{697}, a_{698}, sgn\left(s_{E_{2,697}}(4)\right), sgn\left(s_{E_{2,697}}(5.292)\right)\right] = \left[4.0090, 4.0090, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{698}, a_{699}, sgn\left(s_{E_{2,698}}(4)\right), sgn\left(s_{E_{2,698}}(5.292)\right)\right] = \left[4.0090, 4.0090, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{699}, a_{700}, sgn\left(s_{E_{2,699}}(4)\right), sgn\left(s_{E_{2,699}}(5.292)\right)\right] = \left[4.0090, 4.0090, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{700}, a_{701}, sgn\left(s_{E_{2,700}}(4)\right), sgn\left(s_{E_{2,700}}(5.292)\right)\right] = \left[4.0090, 4.0090, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{701}, a_{702}, sgn\left(s_{E_{2,701}}(4)\right), sgn\left(s_{E_{2,701}}(5.292)\right)\right] = \left[4.0090, 4.0090, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{702}, a_{703}, sgn\left(s_{E_{2,702}}(4)\right), sgn\left(s_{E_{2,702}}(5.292)\right)\right] = \left[4.0090, 4.0090, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{703}, a_{704}, sgn\left(s_{E_{2,703}}(4)\right), sgn\left(s_{E_{2,703}}(5.292)\right)\right] = \left[4.0090, 4.0090, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{704}, a_{705}, sgn\left(s_{E_{2,704}}(4)\right), sgn\left(s_{E_{2,704}}(5.292)\right)\right] = \left[4.0090, 4.0090, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{705}, a_{706}, sgn\left(s_{E_{2,705}}(4)\right), sgn\left(s_{E_{2,705}}(5.292)\right)\right] = \left[4.0090, 4.0091, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{706}, a_{707}, sgn\left(s_{E_{2,706}}(4)\right), sgn\left(s_{E_{2,706}}(5.292)\right)\right] = \left[4.0091, 4.0091, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{707}, a_{708}, sgn\left(s_{E_{2,707}}(4)\right), sgn\left(s_{E_{2,707}}(5.292)\right)\right] = \left[4.0091, 4.0091, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{708}, a_{709}, sgn\left(s_{E_{2,708}}(4)\right), sgn\left(s_{E_{2,708}}(5.292)\right)\right] = \left[4.0091, 4.0091, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{709}, a_{710}, sgn\left(s_{E_{2,709}}(4)\right), sgn\left(s_{E_{2,709}}(5.292)\right)\right] = \left[4.0091, 4.0091, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{710}, a_{711}, sgn\left(s_{E_{2,710}}(4)\right), sgn\left(s_{E_{2,710}}(5.292)\right)\right] = \left[4.0091, 4.0091, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{711}, a_{712}, sgn\left(s_{E_{2,711}}(4)\right), sgn\left(s_{E_{2,711}}(5.292)\right)\right] = \left[4.0091, 4.0091, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{712}, a_{713}, sgn\left(s_{E_{2,712}}(4)\right), sgn\left(s_{E_{2,712}}(5.292)\right)\right] = \left[4.0091, 4.0091, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{713}, a_{714}, sgn\left(s_{E_{2,713}}(4)\right), sgn\left(s_{E_{2,713}}(5.292)\right)\right] = \left[4.0091, 4.0091, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{714}, a_{715}, sgn\left(s_{E_{2,714}}(4)\right), sgn\left(s_{E_{2,714}}(5.292)\right)\right] = \left[4.0091, 4.0092, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{715}, a_{716}, sgn\left(s_{E_{2,715}}(4)\right), sgn\left(s_{E_{2,715}}(5.292)\right)\right] = \left[4.0092, 4.0092, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{716}, a_{717}, sgn\left(s_{E_{2,716}}(4)\right), sgn\left(s_{E_{2,716}}(5.292)\right)\right] = \left[4.0092, 4.0092, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{717}, a_{718}, sgn\left(s_{E_{2,717}}(4)\right), sgn\left(s_{E_{2,717}}(5.292)\right)\right] = \left[4.0092, 4.0092, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{718}, a_{719}, sgn\left(s_{E_{2,718}}(4)\right), sgn\left(s_{E_{2,718}}(5.292)\right)\right] = \left[4.0092, 4.0092, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{719}, a_{720}, sgn\left(s_{E_{2,719}}(4)\right), sgn\left(s_{E_{2,719}}(5.292)\right)\right] = \left[4.0092, 4.0092, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{720}, a_{721}, sgn\left(s_{E_{2,720}}(4)\right), sgn\left(s_{E_{2,720}}(5.292)\right)\right] = \left[4.0092, 4.0092, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{721}, a_{722}, sgn\left(s_{E_{2,721}}(4)\right), sgn\left(s_{E_{2,721}}(5.292)\right)\right] = \left[4.0092, 4.0092, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{722}, a_{723}, sgn\left(s_{E_{2,722}}(4)\right), sgn\left(s_{E_{2,722}}(5.292)\right)\right] = \left[4.0092, 4.0092, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{723}, a_{724}, sgn\left(s_{E_{2,723}}(4)\right), sgn\left(s_{E_{2,723}}(5.292)\right)\right] = \left[4.0092, 4.0092, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{724}, a_{725}, sgn\left(s_{E_{2,724}}(4)\right), sgn\left(s_{E_{2,724}}(5.292)\right)\right] = \left[4.0092, 4.0092, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{725}, a_{726}, sgn\left(s_{E_{2,725}}(4)\right), sgn\left(s_{E_{2,725}}(5.292)\right)\right] = \left[4.0092, 4.0093, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{726}, a_{727}, sgn\left(s_{E_{2,726}}(4)\right), sgn\left(s_{E_{2,726}}(5.292)\right)\right] = \left[4.0093, 4.0093, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{727}, a_{728}, sgn\left(s_{E_{2,727}}(4)\right), sgn\left(s_{E_{2,727}}(5.292)\right)\right] = \left[4.0093, 4.0093, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{728}, a_{729}, sgn\left(s_{E_{2,728}}(4)\right), sgn\left(s_{E_{2,728}}(5.292)\right)\right] = \left[4.0093, 4.0093, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{729}, a_{730}, sgn\left(s_{E_{2,729}}(4)\right), sgn\left(s_{E_{2,729}}(5.292)\right)\right] = \left[4.0093, 4.0093, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{730}, a_{731}, sgn\left(s_{E_{2,730}}(4)\right), sgn\left(s_{E_{2,730}}(5.292)\right)\right] = \left[4.0093, 4.0093, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{731}, a_{732}, sgn\left(s_{E_{2,731}}(4)\right), sgn\left(s_{E_{2,731}}(5.292)\right)\right] = \left[4.0093, 4.0093, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{732}, a_{733}, sgn\left(s_{E_{2,732}}(4)\right), sgn\left(s_{E_{2,732}}(5.292)\right)\right] = \left[4.0093, 4.0093, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{733}, a_{734}, sgn\left(s_{E_{2,733}}(4)\right), sgn\left(s_{E_{2,733}}(5.292)\right)\right] = \left[4.0093, 4.0093, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{734}, a_{735}, sgn\left(s_{E_{2,734}}(4)\right), sgn\left(s_{E_{2,734}}(5.292)\right)\right] = \left[4.0093, 4.0094, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{735}, a_{736}, sgn\left(s_{E_{2,735}}(4)\right), sgn\left(s_{E_{2,735}}(5.292)\right)\right] = \left[4.0094, 4.0094, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{736}, a_{737}, sgn\left(s_{E_{2,736}}(4)\right), sgn\left(s_{E_{2,736}}(5.292)\right)\right] = \left[4.0094, 4.0094, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{737}, a_{738}, sgn\left(s_{E_{2,737}}(4)\right), sgn\left(s_{E_{2,737}}(5.292)\right)\right] = \left[4.0094, 4.0094, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{738}, a_{739}, sgn\left(s_{E_{2,738}}(4)\right), sgn\left(s_{E_{2,738}}(5.292)\right)\right] = \left[4.0094, 4.0094, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{739}, a_{740}, sgn\left(s_{E_{2,739}}(4)\right), sgn\left(s_{E_{2,739}}(5.292)\right)\right] = \left[4.0094, 4.0094, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{740}, a_{741}, sgn\left(s_{E_{2,740}}(4)\right), sgn\left(s_{E_{2,740}}(5.292)\right)\right] = \left[4.0094, 4.0094, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{741}, a_{742}, sgn\left(s_{E_{2,741}}(4)\right), sgn\left(s_{E_{2,741}}(5.292)\right)\right] = \left[4.0094, 4.0094, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{742}, a_{743}, sgn\left(s_{E_{2,742}}(4)\right), sgn\left(s_{E_{2,742}}(5.292)\right)\right] = \left[4.0094, 4.0094, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{743}, a_{744}, sgn\left(s_{E_{2,743}}(4)\right), sgn\left(s_{E_{2,743}}(5.292)\right)\right] = \left[4.0094, 4.0094, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{744}, a_{745}, sgn\left(s_{E_{2,744}}(4)\right), sgn\left(s_{E_{2,744}}(5.292)\right)\right] = \left[4.0094, 4.0094, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{745}, a_{746}, sgn\left(s_{E_{2,745}}(4)\right), sgn\left(s_{E_{2,745}}(5.292)\right)\right] = \left[4.0094, 4.0095, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{746}, a_{747}, sgn\left(s_{E_{2,746}}(4)\right), sgn\left(s_{E_{2,746}}(5.292)\right)\right] = \left[4.0095, 4.0095, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{747}, a_{748}, sgn\left(s_{E_{2,747}}(4)\right), sgn\left(s_{E_{2,747}}(5.292)\right)\right] = \left[4.0095, 4.0095, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{748}, a_{749}, sgn\left(s_{E_{2,748}}(4)\right), sgn\left(s_{E_{2,748}}(5.292)\right)\right] = \left[4.0095, 4.0095, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{749}, a_{750}, sgn\left(s_{E_{2,749}}(4)\right), sgn\left(s_{E_{2,749}}(5.292)\right)\right] = \left[4.0095, 4.0095, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{750}, a_{751}, sgn\left(s_{E_{2,750}}(4)\right), sgn\left(s_{E_{2,750}}(5.292)\right)\right] = \left[4.0095, 4.0095, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{751}, a_{752}, sgn\left(s_{E_{2,751}}(4)\right), sgn\left(s_{E_{2,751}}(5.292)\right)\right] = \left[4.0095, 4.0095, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{752}, a_{753}, sgn\left(s_{E_{2,752}}(4)\right), sgn\left(s_{E_{2,752}}(5.292)\right)\right] = \left[4.0095, 4.0095, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{753}, a_{754}, sgn\left(s_{E_{2,753}}(4)\right), sgn\left(s_{E_{2,753}}(5.292)\right)\right] = \left[4.0095, 4.0095, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{754}, a_{755}, sgn\left(s_{E_{2,754}}(4)\right), sgn\left(s_{E_{2,754}}(5.292)\right)\right] = \left[4.0095, 4.0096, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{755}, a_{756}, sgn\left(s_{E_{2,755}}(4)\right), sgn\left(s_{E_{2,755}}(5.292)\right)\right] = \left[4.0096, 4.0096, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{756}, a_{757}, sgn\left(s_{E_{2,756}}(4)\right), sgn\left(s_{E_{2,756}}(5.292)\right)\right] = \left[4.0096, 4.0096, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{757}, a_{758}, sgn\left(s_{E_{2,757}}(4)\right), sgn\left(s_{E_{2,757}}(5.292)\right)\right] = \left[4.0096, 4.0096, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{758}, a_{759}, sgn\left(s_{E_{2,758}}(4)\right), sgn\left(s_{E_{2,758}}(5.292)\right)\right] = \left[4.0096, 4.0096, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{759}, a_{760}, sgn\left(s_{E_{2,759}}(4)\right), sgn\left(s_{E_{2,759}}(5.292)\right)\right] = \left[4.0096, 4.0096, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{760}, a_{761}, sgn\left(s_{E_{2,760}}(4)\right), sgn\left(s_{E_{2,760}}(5.292)\right)\right] = \left[4.0096, 4.0096, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{761}, a_{762}, sgn\left(s_{E_{2,761}}(4)\right), sgn\left(s_{E_{2,761}}(5.292)\right)\right] = \left[4.0096, 4.0096, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{762}, a_{763}, sgn\left(s_{E_{2,762}}(4)\right), sgn\left(s_{E_{2,762}}(5.292)\right)\right] = \left[4.0096, 4.0096, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{763}, a_{764}, sgn\left(s_{E_{2,763}}(4)\right), sgn\left(s_{E_{2,763}}(5.292)\right)\right] = \left[4.0096, 4.0096, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{764}, a_{765}, sgn\left(s_{E_{2,764}}(4)\right), sgn\left(s_{E_{2,764}}(5.292)\right)\right] = \left[4.0096, 4.0096, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{765}, a_{766}, sgn\left(s_{E_{2,765}}(4)\right), sgn\left(s_{E_{2,765}}(5.292)\right)\right] = \left[4.0096, 4.0097, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{766}, a_{767}, sgn\left(s_{E_{2,766}}(4)\right), sgn\left(s_{E_{2,766}}(5.292)\right)\right] = \left[4.0097, 4.0097, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{767}, a_{768}, sgn\left(s_{E_{2,767}}(4)\right), sgn\left(s_{E_{2,767}}(5.292)\right)\right] = \left[4.0097, 4.0097, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{768}, a_{769}, sgn\left(s_{E_{2,768}}(4)\right), sgn\left(s_{E_{2,768}}(5.292)\right)\right] = \left[4.0097, 4.0097, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{769}, a_{770}, sgn\left(s_{E_{2,769}}(4)\right), sgn\left(s_{E_{2,769}}(5.292)\right)\right] = \left[4.0097, 4.0097, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{770}, a_{771}, sgn\left(s_{E_{2,770}}(4)\right), sgn\left(s_{E_{2,770}}(5.292)\right)\right] = \left[4.0097, 4.0097, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{771}, a_{772}, sgn\left(s_{E_{2,771}}(4)\right), sgn\left(s_{E_{2,771}}(5.292)\right)\right] = \left[4.0097, 4.0097, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{772}, a_{773}, sgn\left(s_{E_{2,772}}(4)\right), sgn\left(s_{E_{2,772}}(5.292)\right)\right] = \left[4.0097, 4.0097, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{773}, a_{774}, sgn\left(s_{E_{2,773}}(4)\right), sgn\left(s_{E_{2,773}}(5.292)\right)\right] = \left[4.0097, 4.0097, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{774}, a_{775}, sgn\left(s_{E_{2,774}}(4)\right), sgn\left(s_{E_{2,774}}(5.292)\right)\right] = \left[4.0097, 4.0098, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{775}, a_{776}, sgn\left(s_{E_{2,775}}(4)\right), sgn\left(s_{E_{2,775}}(5.292)\right)\right] = \left[4.0098, 4.0098, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{776}, a_{777}, sgn\left(s_{E_{2,776}}(4)\right), sgn\left(s_{E_{2,776}}(5.292)\right)\right] = \left[4.0098, 4.0098, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{777}, a_{778}, sgn\left(s_{E_{2,777}}(4)\right), sgn\left(s_{E_{2,777}}(5.292)\right)\right] = \left[4.0098, 4.0098, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{778}, a_{779}, sgn\left(s_{E_{2,778}}(4)\right), sgn\left(s_{E_{2,778}}(5.292)\right)\right] = \left[4.0098, 4.0098, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{779}, a_{780}, sgn\left(s_{E_{2,779}}(4)\right), sgn\left(s_{E_{2,779}}(5.292)\right)\right] = \left[4.0098, 4.0098, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{780}, a_{781}, sgn\left(s_{E_{2,780}}(4)\right), sgn\left(s_{E_{2,780}}(5.292)\right)\right] = \left[4.0098, 4.0098, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{781}, a_{782}, sgn\left(s_{E_{2,781}}(4)\right), sgn\left(s_{E_{2,781}}(5.292)\right)\right] = \left[4.0098, 4.0098, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{782}, a_{783}, sgn\left(s_{E_{2,782}}(4)\right), sgn\left(s_{E_{2,782}}(5.292)\right)\right] = \left[4.0098, 4.0098, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{783}, a_{784}, sgn\left(s_{E_{2,783}}(4)\right), sgn\left(s_{E_{2,783}}(5.292)\right)\right] = \left[4.0098, 4.0098, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{784}, a_{785}, sgn\left(s_{E_{2,784}}(4)\right), sgn\left(s_{E_{2,784}}(5.292)\right)\right] = \left[4.0098, 4.0098, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}, \begin{bmatrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{bmatrix}\right]$$

$$\left[a_{785}, a_{786}, sgn\left(s_{E_{2,785}}(4)\right), sgn\left(s_{E_{2,785}}(5.292)\right)\right] = \left[4.0098, 4.0099, \left[\begin{matrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{matrix}\right], \left[\begin{matrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{matrix}\right]\right]$$

$$\left[a_{786}, a_{787}, sgn\left(s_{E_{2,786}}(4)\right), sgn\left(s_{E_{2,786}}(5.292)\right)\right] = \left[4.0099, 4.0099, \left[\begin{matrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{matrix}\right], \left[\begin{matrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{matrix}\right]\right]$$

$$\left[a_{787}, a_{788}, sgn\left(s_{E_{2,787}}(4)\right), sgn\left(s_{E_{2,787}}(5.292)\right)\right] = \left[4.0099, 4.0099, \left[\begin{matrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{matrix}\right], \left[\begin{matrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{matrix}\right]\right]$$

$$\left[a_{788}, a_{789}, sgn\left(s_{E_{2,788}}(4)\right), sgn\left(s_{E_{2,788}}(5.292)\right)\right] = \left[4.0099, 4.0099, \left[\begin{matrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{matrix}\right], \left[\begin{matrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{matrix}\right]\right]$$

$$\left[a_{789}, a_{790}, sgn\left(s_{E_{2,789}}(4)\right), sgn\left(s_{E_{2,789}}(5.292)\right)\right] = \left[4.0099, 4.0099, \left[\begin{matrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{matrix}\right], \left[\begin{matrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{matrix}\right]\right]$$

$$\left[a_{790}, a_{791}, sgn\left(s_{E_{2,790}}(4)\right), sgn\left(s_{E_{2,790}}(5.292)\right)\right] = \left[4.0099, 4.0099, \left[\begin{matrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{matrix}\right], \left[\begin{matrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{matrix}\right]\right]$$

$$\left[a_{791}, a_{792}, sgn\left(s_{E_{2,791}}(4)\right), sgn\left(s_{E_{2,791}}(5.292)\right)\right] = \left[4.0099, 4.0099, \left[\begin{matrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{matrix}\right], \left[\begin{matrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{matrix}\right]\right]$$

$$\left[a_{792}, a_{793}, sgn\left(s_{E_{2,792}}(4)\right), sgn\left(s_{E_{2,792}}(5.292)\right)\right] = \left[4.0099, 4.0099, \left[\begin{matrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{matrix}\right], \left[\begin{matrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{matrix}\right]\right]$$

$$\left[a_{793}, a_{794}, sgn\left(s_{E_{2,793}}(4)\right), sgn\left(s_{E_{2,793}}(5.292)\right)\right] = \left[4.0099, 4.0099, \left[\begin{matrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{matrix}\right], \left[\begin{matrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{matrix}\right]\right]$$

$$\left[a_{794}, a_{795}, sgn\left(s_{E_{2,794}}(4)\right), sgn\left(s_{E_{2,794}}(5.292)\right)\right] = \left[4.0099, 4.0100, \left[\begin{matrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{matrix}\right], \left[\begin{matrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{matrix}\right]\right]$$

$$\left[a_{795}, a_{796}, sgn\left(s_{E_{2,795}}(4)\right), sgn\left(s_{E_{2,795}}(5.292)\right)\right] = \left[4.0100, 4.0100, \left[\begin{matrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{matrix}\right], \left[\begin{matrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{matrix}\right]\right]$$

$$\left[a_{796}, a_{797}, sgn\left(s_{E_{2,796}}(4)\right), sgn\left(s_{E_{2,796}}(5.292)\right)\right] = \left[4.0100, 4.0100, \left[\begin{matrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{matrix}\right], \left[\begin{matrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{matrix}\right]\right]$$

$$\left[a_{797}, a_{798}, sgn\left(s_{E_{2,797}}(4)\right), sgn\left(s_{E_{2,797}}(5.292)\right)\right] = \left[4.0100, 4.0100, \left[\begin{matrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{matrix}\right], \left[\begin{matrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{matrix}\right]\right]$$

$$\left[a_{798}, a_{799}, sgn\left(s_{E_{2,798}}(4)\right), sgn\left(s_{E_{2,798}}(5.292)\right)\right] = \left[4.0100, 4.0100, \left[\begin{matrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{matrix}\right], \left[\begin{matrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{matrix}\right]\right]$$

$$\left[a_{799}, a_{800}, sgn\left(s_{E_{2,799}}(4)\right), sgn\left(s_{E_{2,799}}(5.292)\right)\right] = \left[4.0100, 4.0100, \left[\begin{matrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{matrix}\right], \left[\begin{matrix} -1 & 1 & 1 & 1 & -1 & -1 & 1 & -1 \end{matrix}\right]\right]$$

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