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Algorithm 1 mptm(IN: c_1, c_2, c_3, c_4, c_5, c_6, c_0, f, omega, e; OUT: u)
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1: i \leftarrow 0; j \leftarrow 0; k \leftarrow 0; it \leftarrow 0
    2: tau \leftarrow 2 \cdot omega
    3: for m_0 \in [0; n-1] do
                                     r[m_0] \leftarrow 0
    4:
    5: repeat
    6:
                                      Aww \leftarrow 0; RwRw \leftarrow 0; ww \leftarrow 0; max \leftarrow 0
                                     for k \in [1; n_3 - 1] do
    7:
                                                       for i \in [1; n_1 - 1] do
    8:
                                                                          for j \in [1; n_2 - 1] do
    9:
                                                                                           m_0 \leftarrow k + n_3 \cdot j + n_2 \cdot n_3 \cdot i
10:
                                                                                           if c_0[m_0] > 0 then
11:
                                                                                                            m_1 \leftarrow m_0 + n_2 \cdot n_3; \ m_2 \leftarrow m_0 - n_2 \cdot n_3; \ m_3 \leftarrow m_0 + n_3
12:
13:
                                                                                                            m_4 \leftarrow m_0 - n_3; \ m_5 \leftarrow m_0 + 1; \ m_6 \leftarrow m_0 - 1
                                                                                                            r[m_0] \leftarrow f[m_0] - c_0[m_0] \cdot u[m_0] + (c_1[m_0] \cdot u[m_1] + c_2[m_0] \cdot u[m_2] + c_3[m_0] \cdot u[m_3] + c_4[m_0] \cdot u[m_4] + c_4[m
14:
                                                                                                             c_5[m_0] \cdot u[m_5] + c_6[m_0] \cdot u[m_6]
15:
                                                                                                            if max < |r[m_0]| then
                                                                                                                               max \leftarrow |r[m_0]|
16:
17:
                                     for k \in [1; n_3 - 2] do
                                                       for i \in [1; n_1 - 2] do
18:
                                                                         for j \in [1; n_2 - 2] do
19:
                                                                                           m_0 \leftarrow k + n_3 \cdot j + n_2 \cdot n_3 \cdot i
20:
                                                                                           if c_0[m_0] > 0 then
21:
22:
                                                                                                            m_2 \leftarrow m_0 - n_2 \cdot n_3; \ m_4 \leftarrow m_0 - n_3; \ m_6 \leftarrow m_0 - 1
23:
                                                                                                            r[m_0] \leftarrow (omega \cdot (c_2[m_0] \cdot r[m_2] + c_4[m_0] \cdot r[m_4] + c_6[m_0] \cdot r[m_6]) + r[m_0]) / ((0.5 \cdot omega + 1) \cdot c_0[m_0])
24:
                                     for k \in [n_3 - 2; 1] do
25:
                                                       for i \in [n_1 - 2; 1] do
                                                                         for j \in [n_2 - 2; 1] do
26:
                                                                                           m_0 \leftarrow k + n_3 \cdot j + n_2 \cdot n_3 \cdot i
27:
                                                                                           if c_0[m_0] > 0 then
28:
29.
                                                                                                            m_1 \leftarrow m_0 + n_2 \cdot n_3; \ m_3 \leftarrow m_0 + n_3; \ m_5 \leftarrow m_0 + 1
30:
                                                                                                            r[m_0] \leftarrow (omega \cdot (c_1[m_0] \cdot r[m_1] + c_3[m_0] \cdot r[m_3] + c_5[m_0] \cdot r[m_5]) + r[m_0] \cdot c_0[m_0])/((0.5 \cdot omega + c_3[m_0] \cdot r[m_0] \cdot c_0[m_0])/((0.5 \cdot omega + c_3[m_0] \cdot r[m_0] \cdot c_0[m_0]))/((0.5 \cdot omega + c_3[m_0] \cdot c_0[m_0] \cdot c_
                                                                                                            1) \cdot c_0[m_0])
                                     for k \in [1; n_3 - 2] do
31:
                                                       for i \in [1; n_1 - 2] do
32:
                                                                          for j \in [1; n_2 - 2] do
33:
                                                                                           m_0 \leftarrow k + n_3 \cdot j + n_2 \cdot n_3 \cdot i
34:
35:
                                                                                           if c_0[m_0] > 0 then
36:
                                                                                                            m_1 \leftarrow m_0 + n_2 \cdot n_3; \ m_2 \leftarrow m_0 - n_2 \cdot n_3; \ m_3 \leftarrow m_0 + n_3
37:
                                                                                                            m_4 \leftarrow m_0 - n_3; \ m_5 \leftarrow m_0 + 1; \ m_6 \leftarrow m_0 - 1
                                                                                                            Awr \leftarrow 1.1 \cdot c_0[m_0] \cdot r[m_0] - (c_1[m_0] \cdot r[m_1] + c_3[m_0] \cdot r[m_3] + c_5[m_0] \cdot r[m_5] + c_2[m_0] \cdot r[m_2] + c_4[m_0] \cdot r[m_3] + c_4[m_0] \cdot r[m_0] + c_4[m_0] + c_4[m
38:
                                                                                                            r[m_4] + c_6[m_0] \cdot r[m_6]
                                                                                                            Rr \leftarrow 0.5 \cdot c_0[m_0] \cdot r[m_0] - (c_1[m_0] \cdot r[m_1] + c_3[m_0] \cdot r[m_3] + c_5[m_0] \cdot r[m_5])
39:
                                                                                                              RwRw \leftarrow RwRw + Rr^2/c_0[m_0]; Aww \leftarrow Aww + Awr \cdot r[m_0]; ww \leftarrow ww + c_0[m_0] \cdot r[m_0]^2
40:
                                     if ww > 0 then
41:
                                                       tay \leftarrow 2 \cdot omega + ww/Aww
42:
43:
                                                       omega \leftarrow sqrt(ww/RwRw)
                                     for m_0 \in [0; n] do
44:
45:
                                                       u[m_0] \leftarrow u[m_0] + 1 \cdot tay \cdot r[m_0]
46: until (max > e) \land (it < 300)
```