Algorithm 1 mptm(IN: $c_1, c_2, c_3, c_4, c_5, c_6, c_0, f, s, omega, e$; OUT: u)

$i \leftarrow 0;\ j \leftarrow 0;\ k \leftarrow 0;\ it \leftarrow 0$
$tau \leftarrow 2 \cdot omega$
for $m_0 \in [0; n-1]$ **do**
    $r[m_0] \leftarrow 0$
repeat
    $Aww \leftarrow 0;\ RwRw \leftarrow 0;\ ww \leftarrow 0;\ max \leftarrow 0$
    for $k \in [1; n_3 - 1]$ **do**
        for $i \in [1; n_1 - 1]$ **do**
            for $j \in [1; n_2 - 1]$ **do**
                $m_0 \leftarrow k + n_3 \cdot j + n_2 \cdot n_3 \cdot i$
                if $c_0[m_0] > 0$ **then**
                    $m_1 \leftarrow m_0 + n_2 \cdot n_3;\ m_2 \leftarrow m_0 - n_2 \cdot n_3;\ m_3 \leftarrow m_0 + n_3$
                    $m_4 \leftarrow m_0 - n_3;\ m_5 \leftarrow m_0 + 1;\ m_6 \leftarrow m_0 - 1$
                    $r[m_0] \leftarrow f[m_0] - c_0[m_0] \cdot u[m_0] + (c_1[m_0] \cdot u[m_1] + c_2[m_0] \cdot u[m_2] + c_3[m_0] \cdot u[m_3] + c_4[m_0] \cdot u[m_4] + c_5[m_0] \cdot u[m_5] + c_6[m_0] \cdot u[m_6])$
                    if $max < |r[m_0]|$ **then**
                        $max \leftarrow |r[m_0]|$
    for $k \in [1; n_3 - 1]$ **do**
        for $i \in [1; n_1 - 1]$ **do**
            for $j \in [1; n_2 - 1]$ **do**
                $m_0 \leftarrow k + n_3 \cdot j + n_2 \cdot n_3 \cdot i$
                if $c_0[m_0] > 0$ **then**
                    $m_2 \leftarrow m_0 - n_2 \cdot n_3;\ m_4 \leftarrow m_0 - n_3;\ m_6 \leftarrow m_0 - 1$
                    $r[m_0] \leftarrow (omega \cdot (c_2[m_0] \cdot r[m_2] + c_4[m_0] \cdot r[m_4] + c_6[m_0] \cdot r[m_6]) + r[m_0]) / ((0.5 \cdot omega + 1) \cdot c_0[m_0])$
    for $k \in [n_3 - 2; 1]$ **do**
        for $i \in [n_1 - 2; 1]$ **do**
            for $j \in [n_2 - 2; 1]$ **do**
                $m_0 \leftarrow k + n_3 \cdot j + n_2 \cdot n_3 \cdot i$
                if $c_0[m_0] > 0$ **then**
                    $m_1 \leftarrow m_0 + n_2 \cdot n_3;\ m_3 \leftarrow m_0 + n_3;\ m_5 \leftarrow m_0 + 1$
                    $r[m_0] \leftarrow (omega \cdot (c_1[m_0] \cdot r[m_1] + c_3[m_0] \cdot r[m_3] + c_5[m_0] \cdot r[m_5]) + r[m_0] \cdot c_0[m_0]) / ((0.5 \cdot omega + 1) \cdot c_0[m_0])$
    for $k \in [1; n_3 - 2]$ **do**
        for $i \in [1; n_1 - 2]$ **do**
            for $j \in [1; n_2 - 2]$ **do**
                $m_0 \leftarrow k + n_3 \cdot j + n_2 \cdot n_3 \cdot i$
                if $c_0[m_0] > 0$ **then**
                    $m_1 \leftarrow m_0 + n_2 \cdot n_3;\ m_2 \leftarrow m_0 - n_2 \cdot n_3;\ m_3 \leftarrow m_0 + n_3$
                    $m_4 \leftarrow m_0 - n_3;\ m_5 \leftarrow m_0 + 1;\ m_6 \leftarrow m_0 - 1$
                    $Awr \leftarrow 1.1 \cdot c_0[m_0] \cdot r[m_0] - (c_1[m_0] \cdot r[m_1] + c_3[m_0] \cdot r[m_3] + c_5[m_0] \cdot r[m_5] + c_2[m_0] \cdot r[m_2] + c_4[m_0] \cdot r[m_4] + c_6[m_0] \cdot r[m_6])$
                    $Rr \leftarrow 0.5 \cdot c_0[m_0] \cdot r[m_0] - (c_1[m_0] \cdot r[m_1] + c_3[m_0] \cdot r[m_3] + c_5[m_0] \cdot r[m_5])$
                    $RwRw \leftarrow RwRw + Rr^2 / c_0[m_0];\ Aww \leftarrow Aww + Awr \cdot r[m_0];\ ww \leftarrow ww + c_0[m_0] \cdot r[m_0]^2$
    if $ww > 0$ **then**
        $tay \leftarrow 2 \cdot omega + ww / Aww$
        $omega \leftarrow sqrt(ww / RwRw)$
    for $m_0 \in [0; n]$ **do**
        $u[m_0] \leftarrow u[m_0] + 1 \cdot tay \cdot r[m_0]$
until $(max > e) \wedge (\text{it} < 300)$