ans =

```
>> Dynamic Result
m =
  m1
  m2
  mЗ
  m4
  m5
ans =
0
ans =
\sin(t1)*(Iyy5*(cos(conj(t1))*cos(conj(t5)) + \sin(conj(t1))*sin(conj(t5)))*(cos(conf(t5)))
 (t1))*(cos(t1)*sin(t5) - cos(t5)*sin(t1)) + sin(conj(t1))*(cos(t1)*cos(t5) + sin(t1)*
*sin(t5))) - Iyy5*(cos(conj(t1))*sin(conj(t5)) - cos(conj(t5))*sin(conj(t1)))*(co
 (conj(t1))*(cos(t1)*cos(t5) + sin(t1)*sin(t5)) - sin(conj(t1))*(cos(t1)*sin(t5) - cos(t1)*sin(t5))
 (t5)*\sin(t1))) + \cos(t1)*(Iyy4*\cos(conj(t1))*(cos(conj(t1))*\cos(t1)) + \sin(conj(t1))
*sin(t1)) + Iyy4*sin(conj(t1))*(cos(conj(t1))*sin(t1) - sin(conj(t1))*cos(t1))) - six
 (t1)*(Iyy4*cos(conj(t1))*(cos(conj(t1))*sin(t1) - sin(conj(t1))*cos(t1)) - Iyy4*si
 (conj(t1))*(cos(conj(t1))*cos(t1) + sin(conj(t1))*sin(t1))) + cos(t1)*(Iyy5*(cos(cong))
 (t1))*cos(conj(t5)) + sin(conj(t1))*sin(conj(t5)))*(cos(conj(t1))*(cos(t1)*cos(t5)) *
(\operatorname{conj}(\mathsf{t1})) * \sin(\operatorname{conj}(\mathsf{t5})) - \cos(\operatorname{conj}(\mathsf{t5})) * \sin(\operatorname{conj}(\mathsf{t1}))) * (\cos(\operatorname{conj}(\mathsf{t1})) * (\cos(\mathsf{t1})) * \sin(\operatorname{conj}(\mathsf{t5})) * (\cos(\mathsf{t1})) *
 (t5) - \cos(t5) \cdot \sin(t1) + \sin(\cos(t1)) \cdot (\cos(t1) \cdot \cos(t5) + \sin(t1) \cdot \sin(t5)))
ans =
\sin(t1)*(Iyy5*(cos(conj(t1))*cos(conj(t5)) + \sin(conj(t1))*sin(conj(t5)))*(cos(cong')
 (t1))*(cos(t1)*sin(t5) - cos(t5)*sin(t1)) + sin(conj(t1))*(cos(t1)*cos(t5) + sin(t1)*
*sin(t5))) - Iyy5*(cos(conj(t1))*sin(conj(t5)) - cos(conj(t5))*sin(conj(t1)))*(cos
 (\texttt{conj}(\texttt{t1})) * (\texttt{cos}(\texttt{t1}) * \texttt{cos}(\texttt{t5}) + \texttt{sin}(\texttt{t1}) * \texttt{sin}(\texttt{t5})) - \texttt{sin}(\texttt{conj}(\texttt{t1})) * (\texttt{cos}(\texttt{t1}) * \texttt{sin}(\texttt{t5}) - \texttt{co} \textbf{\textit{g}}
 (t5)*\sin(t1))) + \cos(t1)*(Iyy4*\cos(conj(t1))*(cos(conj(t1))*\cos(t1)) + \sin(conj(t1))
*sin(t1)) + Iyy4*sin(conj(t1))*(cos(conj(t1))*sin(t1) - sin(conj(t1))*cos(t1))) - six
 (t1) * (Iyy4*cos(conj(t1)) * (cos(conj(t1)) * sin(t1) - sin(conj(t1)) * cos(t1)) - Iyy4*si#
 (conj(t1))*(cos(conj(t1))*cos(t1) + sin(conj(t1))*sin(t1))) + cos(t1)*(Iyy5*(cos(con*y*t1)))
 (t1))*cos(conj(t5)) + sin(conj(t1))*sin(conj(t5)))*(cos(conj(t1))*(cos(t1)*cos(t5)) *
\sin(t1) * \sin(t5)) - \sin(\cos(t1)) * (\cos(t1) * \sin(t5) - \cos(t5) * \sin(t1))) + Iyy5 * (\cos(t1)) * \sin(t5)
 (conj(t1))*sin(conj(t5)) - cos(conj(t5))*sin(conj(t1)))*(cos(conj(t1))*(cos(t1)*six
 (t5) - \cos(t5) \cdot \sin(t1) + \sin(\cos(t1)) \cdot (\cos(t1) \cdot \cos(t5) + \sin(t1) \cdot \sin(t5)))
```

```
\sin(t1)*(Iyy5*(cos(conj(t1))*cos(conj(t5)) + \sin(conj(t1))*sin(conj(t5)))*(cos(cony)
(t1))*(cos(t1)*sin(t5) - cos(t5)*sin(t1)) + sin(conj(t1))*(cos(t1)*cos(t5) + sin(t1)*
*sin(t5))) - Iyy5*(cos(conj(t1))*sin(conj(t5)) - cos(conj(t5))*sin(conj(t1)))*(cos
(conj(t1))*(cos(t1)*cos(t5) + sin(t1)*sin(t5)) - sin(conj(t1))*(cos(t1)*sin(t5) - cos(t1)*sin(t5))
(t5)*\sin(t1))) + \cos(t1)*(Iyy4*\cos(conj(t1))*(cos(conj(t1))*\cos(t1)) + \sin(conj(t1))
*sin(t1)) + Iyy4*sin(conj(t1))*(cos(conj(t1))*sin(t1) - sin(conj(t1))*cos(t1))) - six
(t1)*(Iyy4*cos(conj(t1))*(cos(conj(t1))*sin(t1) - sin(conj(t1))*cos(t1)) - Iyy4*six
(conj(t1))*(cos(conj(t1))*cos(t1) + sin(conj(t1))*sin(t1))) + cos(t1)*(Iyy5*(cos(cony))
(t1))*cos(conj(t5)) + sin(conj(t1))*sin(conj(t5)))*(cos(conj(t1))*(cos(t1)*cos(t5) ₩
\sin(t1) * \sin(t5)) - \sin(\cos(t1)) * (\cos(t1) * \sin(t5)) - \cos(t5) * \sin(t1))) + Iyy5 * (\cos(t1) * \sin(t5)) + Iyy5 * (\cos(t1) * \cos(t1) * \cos(t1)) + Iyy5 * (\cos(t1) * \cos(t1) * (\cos(t1) * \cos(t1))) + Iyy5 * (\cos(t1) * \cos(t1) * (\cos(t1) * \cos(t1))) + Iyy5 * (\cos(t1) * \cos(t1) * (\cos(t1) * \cos(t1))) + Iyy5 * (\cos(t1) * \cos(t1) * (\cos(t1) * \cos(t1))) + Iyy5 * (\cos(t1) * \cos(t1) * (\cos(t1) * \cos(t1))) + Iyy5 * (\cos(t1) * \cos(t1) * (\cos(t1) * \cos(t1))) + Iyy5 * (\cos(t1) * \cos(t1) * (\cos(t1) * \cos(t1))) + Iyy5 * (\cos(t1) * \cos(t1) * (\cos(t1) * \cos(t1))) + Iyy5 * (\cos(t1) * \cos(t1) * (\cos(t1) * (out) * (out)
(conj(t1))*sin(conj(t5)) - cos(conj(t5))*sin(conj(t1)))*(cos(conj(t1))*(cos(t1)*si≰
(t5) - \cos(t5) \cdot \sin(t1) + \sin(\cos(t1)) \cdot (\cos(t1) \cdot \cos(t5) + \sin(t1) \cdot \sin(t5)))
ans =
0
q d =
   t1 d
   t2 d
   t3_d
   t4 d
  t5_d
q =
  t1
   t2
  t3
   t4
  t5
gT =
                            0
                                                                         -9.8000
G1 =
0
G2 =
```

```
(49*m4*(13*cos(t2 + t3) + 12*cos(t2)))/5 + (49*m5*(13*cos(t2 + t3) + 12*cos(t2)))/5 #
(49*m3*(1c3*cos(t2 + t3) + 12*cos(t2)))/5 + (49*1c2*m2*cos(t2))/5
G3 =
(49*13*m4*cos(t2 + t3))/5 + (49*13*m5*cos(t2 + t3))/5 + (49*1c3*m3*cos(t2 + t3))/5
G4 =
0
G5 =
0
G =
Ľ
0
 (49*m4*(13*cos(t2 + t3) + 12*cos(t2)))/5 + (49*m5*(13*cos(t2 + t3) + 12*cos(t2)))/$
+ (49*m3*(1c3*cos(t2 + t3) + 12*cos(t2)))/5 + (49*1c2*m2*cos(t2))/5
K
(49*\cos(t2 + t3)*(13*m4 + 13*m5 + 1c3*m3))/5
0
Ł
0
>>
```