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(1915553*cos(q3))/1953125000 + (21105437293*cos(q4))/31250000000 + (32755927981*cos(q6))/125000000000 + (2740951021*cos(q4)*cos(q6))/7812500000 + (4734679849*sin(q3)*sin(q4))/250000000000 - (36647684119*cos(q2)^2)/62500000000 - (114870848333*cos(q3)^2)/1000000000000 + (7618384777*cos(q5)^2)/62500000000 + (7618384777*cos(q6)^2)/62500000000 - (21105437293*cos(q2)^2*cos(q4))/31250000000 - (32755927981*cos(q3)^2*cos(q6))/125000000000 + (114870848333*cos(q2)^2*cos(q3)^2)/1000000000000 - (237258851293*cos(q2)^2*cos(q4)^2)/1000000000000 - (7618384777*cos(q2)^2*cos(q5)^2)/31250000000 + (237258851293*cos(q3)^2*cos(q4)^2)/1000000000000 - (7618384777*cos(q2)^2*cos(q6)^2)/62500000000 - (7618384777*cos(q3)^2*cos(q5)^2)/62500000000 - (7618384777*cos(q3)^2*cos(q6)^2)/31250000000 - (7618384777*cos(q5)^2*cos(q6)^2)/62500000000 - (2740951021*cos(q2)^2*cos(q4)*cos(q6))/7812500000 + (10421867*cos(q2)^2*sin(q5)*sin(q6))/976562500 + (10421867*cos(q3)^2*sin(q5)*sin(q6))/976562500 + (32755927981*cos(q2)^2*cos(q3)^2*cos(q6))/125000000000 - (32755927981*cos(q2)^2*cos(q4)^2*cos(q6))/125000000000 + (32755927981*cos(q3)^2*cos(q4)^2*cos(q6))/125000000000 - (237258851293*cos(q2)^2*cos(q3)^2*cos(q4)^2)/1000000000000 + (7618384777*cos(q2)^2*cos(q3)^2*cos(q5)^2)/62500000000 + (7618384777*cos(q2)^2*cos(q3)^2*cos(q6)^2)/31250000000 + (7618384777*cos(q2)^2*cos(q4)^2*cos(q5)^2)/62500000000 - (7618384777*cos(q2)^2*cos(q4)^2*cos(q6)^2)/62500000000 - (7618384777*cos(q3)^2*cos(q4)^2*cos(q5)^2)/62500000000 + (7618384777*cos(q2)^2*cos(q5)^2*cos(q6)^2)/31250000000 + (7618384777*cos(q3)^2*cos(q4)^2*cos(q6)^2)/62500000000 + (7618384777*cos(q3)^2*cos(q5)^2*cos(q6)^2)/62500000000 - (8538821*cos(q2)*sin(q2)*sin(q3))/244140625 + (80248811*cos(q3)*sin(q3)*sin(q4))/3906250000 + (614890153*cos(q6)*sin(q3)*sin(q4))/62500000000 + (614890153*cos(q3)*sin(q5)*sin(q6))/62500000000 - (2740951021*cos(q5)*sin(q4)*sin(q6))/7812500000 + (7618384777*cos(q2)^2*cos(q3)^2*cos(q4)^2*cos(q5)^2)/62500000000 - (7618384777*cos(q2)^2*cos(q3)^2*cos(q4)^2*cos(q6)^2)/62500000000 - (7618384777*cos(q2)^2*cos(q3)^2*cos(q5)^2*cos(q6)^2)/62500000000 - (7618384777*cos(q2)^2*cos(q4)^2*cos(q5)^2*cos(q6)^2)/62500000000 + (7618384777*cos(q3)^2*cos(q4)^2*cos(q5)^2*cos(q6)^2)/62500000000 - (80248811*cos(q2)^2*cos(q3)*sin(q3)*sin(q4))/3906250000 + (2740951021*cos(q2)^2*cos(q5)*sin(q4)*sin(q6))/7812500000 - (10421867*cos(q2)^2*cos(q3)^2*sin(q5)*sin(q6))/976562500 - (32755927981*cos(q2)^2*cos(q3)^2*cos(q4)^2*cos(q6))/125000000000 + (21105437293*cos(q2)*cos(q3)*sin(q2)*sin(q4))/31250000000 - (80248811*cos(q2)*cos(q4)*sin(q2)*sin(q3))/3906250000 + (10421867*cos(q3)*cos(q6)*sin(q3)*sin(q4))/976562500 + (614890153*cos(q4)*cos(q5)*sin(q3)*sin(q6))/62500000000 - (10421867*cos(q2)^2*cos(q3)*cos(q6)*sin(q3)*sin(q4))/976562500 + (32755927981*cos(q2)^2*cos(q4)*cos(q5)*sin(q4)*sin(q6))/125000000000 - (32755927981*cos(q3)^2*cos(q4)*cos(q5)*sin(q4)*sin(q6))/125000000000 - (7618384777*cos(q2)^2*cos(q3)^2*cos(q4)^2*cos(q5)^2*cos(q6)^2)/62500000000 + (237258851293*cos(q2)*cos(q3)*cos(q4)*sin(q2)*sin(q4))/500000000000 + (2740951021*cos(q2)*cos(q3)*cos(q6)*sin(q2)*sin(q4))/7812500000 - (10421867*cos(q2)*cos(q4)*cos(q6)*sin(q2)*sin(q3))/976562500 - (32755927981*cos(q2)*cos(q3)*cos(q5)*sin(q2)*sin(q6))/125000000000 + (7618384777*cos(q3)*cos(q4)*cos(q5)*sin(q3)*sin(q5))/31250000000 + (10421867*cos(q3)*cos(q4)*cos(q5)*sin(q3)*sin(q6))/976562500 - (2740951021*cos(q2)*sin(q2)*sin(q3)*sin(q5)*sin(q6))/7812500000 + (32755927981*cos(q3)*sin(q3)*sin(q4)*sin(q5)*sin(q6))/125000000000 + (32755927981*cos(q2)^2*cos(q3)^2*cos(q4)*cos(q5)*sin(q4)*sin(q6))/125000000000 + (32755927981*cos(q2)*cos(q3)*cos(q4)*cos(q6)*sin(q2)*sin(q4))/62500000000 + (2740951021*cos(q2)*cos(q3)*cos(q4)*cos(q5)*sin(q2)*sin(q6))/7812500000 - (7618384777*cos(q2)*cos(q3)*cos(q5)*cos(q6)*sin(q2)*sin(q6))/31250000000 + (7618384777*cos(q2)*cos(q5)*sin(q2)*sin(q3)*sin(q4)*sin(q5))/31250000000 - (32755927981*cos(q2)*cos(q4)*sin(q2)*sin(q3)*sin(q5)*sin(q6))/125000000000 + (10421867*cos(q2)*cos(q5)*sin(q2)*sin(q3)*sin(q4)*sin(q6))/976562500 + (7618384777*cos(q3)*cos(q6)*sin(q3)*sin(q4)*sin(q5)*sin(q6))/31250000000 - (7618384777*cos(q2)*cos(q3)*cos(q4)*cos(q5)^2*sin(q2)*sin(q4))/31250000000 + (7618384777*cos(q2)*cos(q3)*cos(q4)*cos(q6)^2*sin(q2)*sin(q4))/31250000000 + (32755927981*cos(q2)*cos(q3)*cos(q4)^2*cos(q5)*sin(q2)*sin(q6))/62500000000 - (7618384777*cos(q2)^2*cos(q3)*cos(q4)*cos(q5)*sin(q3)*sin(q5))/31250000000 - (10421867*cos(q2)^2*cos(q3)*cos(q4)*cos(q5)*sin(q3)*sin(q6))/976562500 - (7618384777*cos(q3)*cos(q4)*cos(q5)*cos(q6)^2*sin(q3)*sin(q5))/31250000000 + (7618384777*cos(q2)^2*cos(q4)*cos(q5)*cos(q6)*sin(q4)*sin(q6))/31250000000 - (7618384777*cos(q3)^2*cos(q4)*cos(q5)*cos(q6)*sin(q4)*sin(q6))/31250000000 - (32755927981*cos(q2)^2*cos(q3)*sin(q3)*sin(q4)*sin(q5)*sin(q6))/125000000000 + (7618384777*cos(q2)*cos(q3)*cos(q4)*cos(q5)^2*cos(q6)^2*sin(q2)*sin(q4))/31250000000 + (7618384777*cos(q2)^2*cos(q3)*cos(q4)*cos(q5)*cos(q6)^2*sin(q3)*sin(q5))/31250000000 + (7618384777*cos(q2)^2*cos(q3)^2*cos(q4)*cos(q5)*cos(q6)*sin(q4)*sin(q6))/31250000000 - (7618384777*cos(q2)*cos(q4)*cos(q6)^2*sin(q2)*sin(q3)*sin(q5)*sin(q6))/31250000000 + (7618384777*cos(q2)*cos(q3)*cos(q4)^2*cos(q5)*cos(q6)*sin(q2)*sin(q6))/15625000000 - (7618384777*cos(q2)*cos(q5)*cos(q6)^2*sin(q2)*sin(q3)*sin(q4)*sin(q5))/31250000000 - (7618384777*cos(q2)^2*cos(q3)*cos(q6)*sin(q3)*sin(q4)*sin(q5)*sin(q6))/31250000000 + 189344513501/200000000000,(80248811*cos(q3)^2*sin(q2)*sin(q4))/3906250000 - (8538821*cos(q2)*cos(q3))/488281250

- (4734679849*cos(q2)*cos(q4))/500000000000 - (1915553*sin(q2)*sin(q3))/3906250000 - (80248811*sin(q2)*sin(q4))/7812500000 - (133244479*cos(q2))/6250000000 - (80248811*cos(q2)*cos(q3)*cos(q4))/7812500000 - (614890153*cos(q2)*cos(q4)*cos(q6))/125000000000 + (114870848333*cos(q3)*sin(q2)*sin(q3))/1000000000 - (21105437293*cos(q2)*sin(q3)*sin(q4))/62500000 + (4734679849*cos(q3)*sin(q2)*sin(q4))/500000000000 - (10421867*cos(q6)*sin(q2)*sin(q4))/1953125000 - (237258851293*cos(q3)*cos(q4)^2*sin(q2)*sin(q3))/1000000000000 + (7618384777*cos(q3)*cos(q5)^2*sin(q2)*sin(q3))/62500000000 + (7618384777*cos(q3)*cos(q6)^2*sin(q2)*sin(q3))/31250000000 + (10421867*cos(q3)^2*cos(q6)*sin(q2)*sin(q4))/976562500 - (10421867*cos(q2)*cos(q3)*cos(q4)*cos(q6))/1953125000 - (237258851293*cos(q2)*cos(q4)*sin(q3)*sin(q4))/1000000000000 + (32755927981*cos(q3)*cos(q6)*sin(q2)*sin(q3))/125000000000 - (2740951021*cos(q2)*cos(q6)*sin(q3)*sin(q4))/15625000000 + (614890153*cos(q3)*cos(q6)*sin(q2)*sin(q4))/125000000000 - (2740951021*cos(q2)*cos(q3)*sin(q5)*sin(q6))/15625000000 + (32755927981*cos(q2)*cos(q5)*sin(q3)*sin(q6))/250000000000 - (7618384777*cos(q4)*cos(q5)*sin(q2)*sin(q5))/62500000000 + (614890153*cos(q2)*cos(q5)*sin(q4)*sin(q6))/125000000000 - (10421867*cos(q4)*cos(q5)*sin(q2)*sin(q6))/1953125000 - (614890153*sin(q2)*sin(q3)*sin(q5)*sin(q6))/125000000000 - (32755927981*sin(q2)*sin(q4)*sin(q5)*sin(q6))/250000000000 + (7618384777*cos(q2)*cos(q4)*cos(q5)^2*sin(q3)*sin(q4))/62500000000 - (32755927981*cos(q3)*cos(q4)^2*cos(q6)*sin(q2)*sin(q3))/125000000000 - (7618384777*cos(q2)*cos(q4)*cos(q6)^2*sin(q3)*sin(q4))/62500000000 + (7618384777*cos(q3)^2*cos(q4)*cos(q5)*sin(q2)*sin(q5))/31250000000 - (32755927981*cos(q2)*cos(q4)^2*cos(q5)*sin(q3)*sin(q6))/125000000000 + (10421867*cos(q3)^2*cos(q4)*cos(q5)*sin(q2)*sin(q6))/976562500 + (7618384777*cos(q4)*cos(q5)*cos(q6)^2*sin(q2)*sin(q5))/62500000000 + (32755927981*cos(q3)^2*sin(q2)*sin(q4)*sin(q5)*sin(q6))/125000000000 + (7618384777*cos(q3)*cos(q4)^2*cos(q5)^2*sin(q2)*sin(q3))/62500000000 - (7618384777*cos(q3)*cos(q4)^2*cos(q6)^2*sin(q2)*sin(q3))/62500000000 - (7618384777*cos(q3)*cos(q5)^2*cos(q6)^2*sin(q2)*sin(q3))/62500000000 + (7618384777*cos(q2)*cos(q3)*cos(q5)*sin(q4)*sin(q5))/62500000000 - (32755927981*cos(q2)*cos(q4)*cos(q6)*sin(q3)*sin(q4))/125000000000 - (32755927981*cos(q2)*cos(q3)*cos(q4)*sin(q5)*sin(q6))/250000000000 + (10421867*cos(q2)*cos(q3)*cos(q5)*sin(q4)*sin(q6))/1953125000 - (2740951021*cos(q2)*cos(q4)*cos(q5)*sin(q3)*sin(q6))/15625000000 + (614890153*cos(q3)*cos(q4)*cos(q5)*sin(q2)*sin(q6))/125000000000 + (7618384777*cos(q2)*cos(q5)*cos(q6)*sin(q3)*sin(q6))/62500000000 - (10421867*cos(q3)*sin(q2)*sin(q3)*sin(q5)*sin(q6))/976562500 - (7618384777*cos(q6)*sin(q2)*sin(q4)*sin(q5)*sin(q6))/62500000000 - (7618384777*cos(q2)*cos(q4)*cos(q5)^2*cos(q6)^2*sin(q3)*sin(q4))/62500000000 - (7618384777*cos(q3)^2*cos(q4)*cos(q5)*cos(q6)^2*sin(q2)*sin(q5))/31250000000 - (7618384777*cos(q2)*cos(q3)*cos(q4)*cos(q6)*sin(q5)*sin(q6))/62500000000 - (7618384777*cos(q3)*cos(q4)^2*cos(q5)^2*cos(q6)^2*sin(q2)*sin(q3))/62500000000 - (7618384777*cos(q2)*cos(q3)*cos(q5)*cos(q6)^2*sin(q4)*sin(q5))/62500000000 - (7618384777*cos(q2)*cos(q4)^2*cos(q5)*cos(q6)*sin(q3)*sin(q6))/31250000000 + (7618384777*cos(q3)^2*cos(q6)*sin(q2)*sin(q4)*sin(q5)*sin(q6))/31250000000 + (32755927981*cos(q3)*cos(q4)*cos(q5)*sin(q2)*sin(q3)*sin(q4)*sin(q6))/125000000000 + (7618384777*cos(q3)*cos(q4)*cos(q5)*cos(q6)*sin(q2)*sin(q3)*sin(q4)*sin(q6))/31250000000,(359646854253*cos(q2))/1000000000000 + (1915553*cos(q2)*cos(q3))/3906250000 + (32755927981*cos(q2)*cos(q6))/125000000000 - (8538821*sin(q2)*sin(q3))/488281250 - (237258851293*cos(q2)*cos(q4)^2)/1000000000000 - (7618384777*cos(q2)*cos(q5)^2)/62500000000 - (32755927981*cos(q2)*cos(q4)^2*cos(q6))/125000000000 + (7618384777*cos(q2)*cos(q4)^2*cos(q5)^2)/62500000000 - (7618384777*cos(q2)*cos(q4)^2*cos(q6)^2)/62500000000 + (7618384777*cos(q2)*cos(q5)^2*cos(q6)^2)/62500000000 + (4734679849*cos(q2)*sin(q3)*sin(q4))/500000000000 + (21105437293*cos(q3)*sin(q2)*sin(q4))/62500000 - (80248811*cos(q4)*sin(q2)*sin(q3))/7812500000 + (10421867*cos(q2)*sin(q5)*sin(q6))/976562500 - (7618384777*cos(q2)*cos(q4)^2*cos(q5)^2*cos(q6)^2)/62500000000 + (237258851293*cos(q3)*cos(q4)*sin(q2)*sin(q4))/1000000000000 + (614890153*cos(q2)*cos(q6)*sin(q3)*sin(q4))/125000000000 + (2740951021*cos(q3)*cos(q6)*sin(q2)*sin(q4))/15625000000 - (10421867*cos(q4)*cos(q6)*sin(q2)*sin(q3))/1953125000 + (614890153*cos(q2)*cos(q3)*sin(q5)*sin(q6))/125000000000 - (32755927981*cos(q3)*cos(q5)*sin(q2)*sin(q6))/250000000000 - (2740951021*sin(q2)*sin(q3)*sin(q5)*sin(q6))/15625000000 - (7618384777*cos(q3)*cos(q4)*cos(q5)^2*sin(q2)*sin(q4))/62500000000 + (7618384777*cos(q3)*cos(q4)*cos(q6)^2*sin(q2)*sin(q4))/62500000000 + (32755927981*cos(q3)*cos(q4)^2*cos(q5)*sin(q2)*sin(q6))/125000000000 + (32755927981*cos(q3)*cos(q4)*cos(q6)*sin(q2)*sin(q4))/125000000000 + (614890153*cos(q2)*cos(q4)*cos(q5)*sin(q3)*sin(q6))/125000000000 + (2740951021*cos(q3)*cos(q4)*cos(q5)*sin(q2)*sin(q6))/15625000000 + (32755927981*cos(q2)*cos(q4)*cos(q5)*sin(q4)*sin(q6))/125000000000 - (7618384777*cos(q3)*cos(q5)*cos(q6)*sin(q2)*sin(q6))/62500000000 + (7618384777*cos(q5)*sin(q2)*sin(q3)*sin(q4)*sin(q5))/62500000000 - (32755927981*cos(q4)*sin(q2)*sin(q3)*sin(q5)*sin(q6))/250000000000 + (10421867*cos(q5)*sin(q2)*sin(q3)*sin(q4)*sin(q6))/1953125000 + (7618384777*cos(q3)*cos(q4)*cos(q5)^2*cos(q6)^2*sin(q2)*sin(q4))/62500000000 + (7618384777*cos(q2)*cos(q4)*cos(q5)*cos(q6)*sin(q4)*sin(q6))/31250000000 - (7618384777*cos(q4)*cos(q6)*sin(q2)*sin(q3)*sin(q5)*sin(q6))/62500000000 + (7618384777*cos(q3)*cos(q4)^2*cos(q5)*co

$$s(q6)*sin(q2)*sin(q6))/31250000000 - (7618384777*cos(q5)*cos(q6)^2*sin(q2)*sin(q3)*sin(q4)*sin(q5))/6250000000,$$

$$(237258851293*sin(q2)*sin(q3))/1000000000000 - (80248811*cos(q2)*cos(q4))/7812500000 + (4734679849*sin(q2)*sin(q4))/500000000000 + (7618384777*cos(q5)^2*sin(q2)*sin(q3))/62500000000 + (7618384777*cos(q6)^2*sin(q2)*sin(q3))/62500000000 - (4734679849*cos(q2)*cos(q3)*cos(q4))/500000000000 - (10421867*cos(q2)*cos(q4)*cos(q6))/1953125000 + (80248811*cos(q3)*sin(q2)*sin(q4))/7812500000 + (21105437293*cos(q4)*sin(q2)*sin(q3))/62500000000 + (32755927981*cos(q6)*sin(q2)*sin(q3))/125000000000 + (614890153*cos(q6)*sin(q2)*sin(q4))/125000000000 - (7618384777*cos(q5)^2*cos(q6)^2*sin(q2)*sin(q3))/62500000000 - (614890153*cos(q2)*cos(q3)*cos(q4)*cos(q6))/125000000000 + (10421867*cos(q3)*cos(q6)*sin(q2)*sin(q4))/1953125000 + (2740951021*cos(q4)*cos(q6)*sin(q2)*sin(q3))/15625000000 + (7618384777*cos(q2)*cos(q5)*sin(q4)*sin(q5))/62500000000 - (32755927981*cos(q2)*cos(q4)*sin(q5)*sin(q6))/250000000000 + (10421867*cos(q2)*cos(q5)*sin(q4)*sin(q6))/1953125000 + (614890153*cos(q4)*cos(q5)*sin(q2)*sin(q6))/125000000000 - (7618384777*cos(q2)*cos(q5)*cos(q6)^2*sin(q4)*sin(q5))/62500000000 + (7618384777*cos(q3)*cos(q4)*cos(q5)*sin(q2)*sin(q5))/62500000000 + (614890153*cos(q2)*cos(q3)*cos(q5)*sin(q4)*sin(q6))/125000000000 + (10421867*cos(q3)*cos(q4)*cos(q5)*sin(q2)*sin(q6))/1953125000 - (7618384777*cos(q2)*cos(q4)*cos(q6)*sin(q5)*sin(q6))/62500000000 + (32755927981*cos(q3)*sin(q2)*sin(q4)*sin(q5)*sin(q6))/250000000000 - (2740951021*cos(q5)*sin(q2)*sin(q3)*sin(q4)*sin(q6))/15625000000 + (7618384777*cos(q3)*cos(q6)*sin(q2)*sin(q4)*sin(q5)*sin(q6))/62500000000 - (7618384777*cos(q3)*cos(q4)*cos(q5)*cos(q6)^2*sin(q2)*sin(q5))/62500000000,$$

$$(7618384777*cos(q2)*cos(q4))/62500000000 - (7618384777*cos(q2)*cos(q4)*cos(q6)^2)/62500000000 - (7618384777*cos(q3)*sin(q2)*sin(q4))/62500000000 + (7618384777*cos(q3)*cos(q6)^2*sin(q2)*sin(q4))/62500000000 + (614890153*cos(q2)*cos(q5)*sin(q3)*sin(q6))/125000000000 + (2740951021*cos(q3)*cos(q5)*sin(q2)*sin(q6))/15625000000 + (10421867*cos(q2)*cos(q4)*sin(q5)*sin(q6))/1953125000 + (32755927981*cos(q2)*cos(q5)*sin(q4)*sin(q6))/250000000000 - (32755927981*sin(q2)*sin(q3)*sin(q5)*sin(q6))/250000000000 - (614890153*sin(q2)*sin(q4)*sin(q5)*sin(q6))/125000000000 + (614890153*cos(q2)*cos(q3)*cos(q4)*sin(q5)*sin(q6))/125000000000 + (32755927981*cos(q3)*cos(q4)*cos(q5)*sin(q2)*sin(q6))/250000000000 + (7618384777*cos(q2)*cos(q5)*cos(q6)*sin(q4)*sin(q6))/62500000000 - (10421867*cos(q3)*sin(q2)*sin(q4)*sin(q5)*sin(q6))/1953125000 - (2740951021*cos(q4)*sin(q2)*sin(q3)*sin(q5)*sin(q6))/15625000000 - (7618384777*cos(q6)*sin(q2)*sin(q3)*sin(q5)*sin(q6))/62500000000 + (7618384777*cos(q3)*cos(q4)*cos(q5)*cos(q6)*sin(q2)*sin(q6))/62500000000,$$

$$(7618384777*cos(q5)*sin(q2)*sin(q3))/62500000000 + (7618384777*cos(q2)*sin(q4)*sin(q5))/62500000000 + (10421867*cos(q2)*sin(q4)*sin(q6))/1953125000 + (614890153*cos(q4)*sin(q2)*sin(q6))/125000000000 - (10421867*cos(q2)*cos(q4)*cos(q5)*cos(q6))/1953125000 + (7618384777*cos(q3)*cos(q4)*sin(q2)*sin(q5))/62500000000 + (614890153*cos(q2)*cos(q3)*sin(q4)*sin(q6))/125000000000 + (10421867*cos(q3)*cos(q4)*sin(q2)*sin(q6))/1953125000 + (614890153*cos(q2)*cos(q6)*sin(q3)*sin(q5))/125000000000 + (2740951021*cos(q3)*cos(q6)*sin(q2)*sin(q5))/15625000000 + (32755927981*cos(q5)*cos(q6)*sin(q2)*sin(q3))/250000000000 + (32755927981*cos(q2)*cos(q6)*sin(q4)*sin(q5))/250000000000 + (614890153*cos(q5)*cos(q6)*sin(q2)*sin(q4))/125000000000 - (2740951021*sin(q2)*sin(q3)*sin(q4)*sin(q6))/15625000000 - (614890153*cos(q2)*cos(q3)*cos(q4)*cos(q5)*cos(q6))/125000000000 + (32755927981*cos(q3)*cos(q4)*cos(q6)*sin(q2)*sin(q5))/250000000000 + (10421867*cos(q3)*cos(q5)*cos(q6)*sin(q2)*sin(q4))/1953125000 + (2740951021*cos(q4)*cos(q5)*cos(q6)*sin(q2)*sin(q3))/15625000000,0;$$

$$(80248811*cos(q3)^2*sin(q2)*sin(q4))/3906250000 - (8538821*cos(q2)*cos(q3))/488281250 - (4734679849*cos(q2)*cos(q4))/500000000000 - (1915553*sin(q2)*sin(q3))/3906250000 - (80248811*sin(q2)*sin(q4))/7812500000 - (133244479*cos(q2))/6250000000 - (80248811*cos(q2)*cos(q3)*cos(q4))/7812500000 - (614890153*cos(q2)*cos(q4)*cos(q6))/125000000000 + (114870848333*cos(q3)*sin(q2)*sin(q3))/1000000000000 - (21105437293*cos(q2)*sin(q3)*sin(q4))/62500000000 + (4734679849*cos(q3)*sin(q2)*sin(q4))/500000000000 - (10421867*cos(q6)*sin(q2)*sin(q4))/1953125000 - (237258851293*cos(q3)*cos(q4)^2*sin(q2)*sin(q3))/1000000000000 + (7618384777*cos(q3)*cos(q5)^2*sin(q2)*sin(q3))/62500000000 + (7618384777*cos(q3)*cos(q6)^2*sin(q2)*sin(q3))/31250000000 + (10421867*cos(q3)^2*cos(q6)*sin(q2)*sin(q4))/976562500 - (10421867*cos(q2)*cos(q3)*cos(q4)*cos(q6))/1953125000 - (237258851293*cos(q2)*cos(q4)*sin(q3)*sin(q4))/1000000000000 + (32755927981*cos(q3)*cos(q6)*sin(q2)*sin(q3))/125000000000 - (2740951021*cos(q2)*cos(q6)*sin(q3)*sin(q4))/15625000000 + (614890153*cos(q3)*cos(q6)*sin(q2)*sin(q4))/125000000000 - (2740951021*cos(q2)*cos(q3)*sin(q5)*sin(q6))/15625000000 + (32755927981*cos(q2)*cos(q5)*sin(q3)*sin(q6))/250000000000 - (7618384777*cos(q4)*cos(q5)*sin(q2)*sin(q5))/62500000000 + (614890153*cos(q2)*cos(q5)*sin(q4)*sin(q6))/125000000000 - (10421867*cos(q4)*cos(q5)*sin(q2)*sin(q6))/1953125000 - (614890153*sin(q2)*sin(q3)*sin(q5)*sin(q6))/125000000000 - (32755927981*sin(q2)*sin(q4)*sin(q5)*sin(q6))/250000000000 + (7618384777*cos(q2)*cos(q4)*cos(q5)^2*sin(q3)*sin(q4))/62500000000 - (32755927981*cos(q3)*cos(q4)^2*cos(q6)*sin(q2)*sin(q3))/125000000000 - (7618384777*cos(q2)*cos(q4)*cos(q6)^2*sin(q3)*sin(q4))/62500000000 + (7618384777*cos(q3)^2*cos(q4)*cos(q5)*sin(q2)*sin(q5))/31250000000 - (327559$$

27981*cos(q2)*cos(q4)^2*cos(q5)*sin(q3)*sin(q6))/125000000000 + (10421867*cos(q3)^2*cos(q4)*cos(q5)*sin(q2)*sin(q6))/976562500 + (7618384777*cos(q4)*cos(q5)*cos(q6)^2*sin(q2)*sin(q5))/62500000000 + (32755927981*cos(q3)^2*sin(q2)*sin(q4)*sin(q5)*sin(q6))/125000000000 + (7618384777*cos(q3)*cos(q4)^2*cos(q5)^2*sin(q2)*sin(q3))/62500000000 - (7618384777*cos(q3)*cos(q4)^2*cos(q6)^2*sin(q2)*sin(q3))/62500000000 - (7618384777*cos(q3)*cos(q5)^2*cos(q6)^2*sin(q2)*sin(q3))/62500000000 + (7618384777*cos(q2)*cos(q3)*cos(q5)*sin(q4)*sin(q5))/62500000000 - (32755927981*cos(q2)*cos(q4)*cos(q6)*sin(q3)*sin(q4))/125000000000 - (32755927981*cos(q2)*cos(q3)*cos(q4)*sin(q5)*sin(q6))/250000000000 + (10421867*cos(q2)*cos(q3)*cos(q5)*sin(q4)*sin(q6))/1953125000 - (2740951021*cos(q2)*cos(q4)*cos(q5)*sin(q3)*sin(q6))/15625000000 + (614890153*cos(q3)*cos(q4)*cos(q5)*sin(q2)*sin(q6))/125000000000 + (7618384777*cos(q2)*cos(q5)*cos(q6)*sin(q3)*sin(q6))/62500000000 - (10421867*cos(q3)*sin(q2)*sin(q3)*sin(q5)*sin(q6))/976562500 - (7618384777*cos(q6)*sin(q2)*sin(q4)*sin(q5)*sin(q6))/62500000000 - (7618384777*cos(q2)*cos(q4)*cos(q5)^2*cos(q6)^2*sin(q3)*sin(q4))/62500000000 - (7618384777*cos(q3)^2*cos(q4)*cos(q5)*cos(q6)^2*sin(q2)*sin(q5))/31250000000 - (7618384777*cos(q2)*cos(q3)*cos(q4)*cos(q6)*sin(q5)*sin(q6))/62500000000 - (7618384777*cos(q3)*cos(q4)^2*cos(q5)^2*cos(q6)^2*sin(q2)*sin(q3))/62500000000 - (7618384777*cos(q2)*cos(q3)*cos(q5)*cos(q6)^2*sin(q4)*sin(q5))/62500000000 - (7618384777*cos(q2)*cos(q4)^2*cos(q5)*cos(q6)*sin(q3)*sin(q6))/31250000000 + (7618384777*cos(q3)^2*cos(q6)*sin(q2)*sin(q4)*sin(q5)*sin(q6))/31250000000 + (32755927981*cos(q3)*cos(q4)*cos(q5)*sin(q2)*sin(q3)*sin(q4)*sin(q6))/125000000000 + (7618384777*cos(q3)*cos(q4)*cos(q5)*cos(q6)*sin(q2)*sin(q3)*sin(q4)*sin(q6))/31250000000,(21105437293*cos(q4))/31250000000 + (2740951021*cos(q4)*cos(q6))/7812500000 + (10421867*sin(q5)*sin(q6))/976562500 + (114870848333*cos(q3)^2)/1000000000000 + (237258851293*cos(q4)^2)/1000000000000 - (7618384777*cos(q6)^2)/62500000000 + (32755927981*cos(q3)^2*cos(q6))/125000000000 + (32755927981*cos(q4)^2*cos(q6))/125000000000 - (237258851293*cos(q3)^2*cos(q4)^2)/1000000000000 + (7618384777*cos(q3)^2*cos(q5)^2)/62500000000 + (7618384777*cos(q3)^2*cos(q6)^2)/31250000000 - (7618384777*cos(q4)^2*cos(q5)^2)/62500000000 + (7618384777*cos(q4)^2*cos(q6)^2)/62500000000 - (10421867*cos(q3)^2*sin(q5)*sin(q6))/976562500 - (32755927981*cos(q3)^2*cos(q4)^2*cos(q6))/125000000000 + (7618384777*cos(q3)^2*cos(q4)^2*cos(q5)^2)/62500000000 - (7618384777*cos(q3)^2*cos(q4)^2*cos(q6)^2)/62500000000 - (7618384777*cos(q3)^2*cos(q5)^2*cos(q6)^2)/62500000000 + (7618384777*cos(q4)^2*cos(q5)^2*cos(q6)^2)/62500000000 - (80248811*cos(q3)*sin(q3)*sin(q4))/3906250000 - (2740951021*cos(q5)*sin(q4)*sin(q6))/7812500000 - (7618384777*cos(q3)^2*cos(q4)^2*cos(q5)^2*cos(q6)^2)/62500000000 - (10421867*cos(q3)*cos(q6)*sin(q3)*sin(q4))/976562500 - (32755927981*cos(q4)*cos(q5)*sin(q4)*sin(q6))/125000000000 + (32755927981*cos(q3)^2*cos(q4)*cos(q5)*sin(q4)*sin(q6))/125000000000 - (7618384777*cos(q3)*cos(q4)*cos(q5)*sin(q3)*sin(q5))/31250000000 - (10421867*cos(q3)*cos(q4)*cos(q5)*sin(q3)*sin(q6))/976562500 - (7618384777*cos(q4)*cos(q5)*cos(q6)*sin(q4)*sin(q6))/31250000000 - (32755927981*cos(q3)*sin(q3)*sin(q4)*sin(q5)*sin(q6))/125000000000 - (7618384777*cos(q3)*cos(q6)*sin(q3)*sin(q4)*sin(q5)*sin(q6))/31250000000 + (7618384777*cos(q3)*cos(q4)*cos(q5)*cos(q6)^2*sin(q3)*sin(q5))/31250000000 + (7618384777*cos(q3)^2*cos(q4)*cos(q5)*cos(q6)*sin(q4)*sin(q6))/31250000000 + 51946184489/62500000000,(32755927981*cos(q5)*sin(q3)*sin(q6))/250000000000 - (80248811*cos(q3)*cos(q4))/7812500000 - (21105437293*sin(q3)*sin(q4))/62500000000 - (10421867*cos(q3)*cos(q4)*cos(q6))/1953125000 - (237258851293*cos(q4)*sin(q3)*sin(q4))/1000000000000 - (2740951021*cos(q6)*sin(q3)*sin(q4))/15625000000 - (2740951021*cos(q3)*sin(q5)*sin(q6))/15625000000 - (8538821*cos(q3))/488281250 + (7618384777*cos(q4)*cos(q5)^2*sin(q3)*sin(q4))/62500000000 - (7618384777*cos(q4)*cos(q6)^2*sin(q3)*sin(q4))/62500000000 - (32755927981*cos(q4)^2*cos(q5)*sin(q3)*sin(q6))/125000000000 + (7618384777*cos(q3)*cos(q5)*sin(q4)*sin(q5))/62500000000 - (32755927981*cos(q4)*cos(q6)*sin(q3)*sin(q4))/125000000000 - (32755927981*cos(q3)*cos(q4)*sin(q5)*sin(q6))/250000000000 + (10421867*cos(q3)*cos(q5)*sin(q4)*sin(q6))/1953125000 - (2740951021*cos(q4)*cos(q5)*sin(q3)*sin(q6))/15625000000 + (7618384777*cos(q5)*cos(q6)*sin(q3)*sin(q6))/62500000000 - (7618384777*cos(q3)*cos(q5)*cos(q6)^2*sin(q4)*sin(q5))/62500000000 - (7618384777*cos(q4)^2*cos(q5)*cos(q6)*sin(q3)*sin(q6))/31250000000 - (7618384777*cos(q4)*cos(q5)^2*cos(q6)^2*sin(q3)*sin(q4))/62500000000 - (7618384777*cos(q3)*cos(q4)*cos(q6)*sin(q5)*sin(q6))/62500000000,(237258851293*cos(q3))/1000000000000 + (21105437293*cos(q3)*cos(q4))/62500000000 + (32755927981*cos(q3)*cos(q6))/125000000000 - (80248811*sin(q3)*sin(q4))/7812500000 + (7618384777*cos(q3)*cos(q5)^2)/62500000000 + (7618384777*cos(q3)*cos(q6)^2)/62500000000 - (7618384777*cos(q3)*cos(q5)^2*cos(q6)^2)/62500000000 + (2740951021*cos(q3)*cos(q4)*cos(q6))/15625000000 - (10421867*cos(q6)*sin(q3)*sin(q4))/1953125000 - (7618384777*cos(q4)*cos(q5)*sin(q3)*sin(q5))/62500000000 - (2740951021*cos(q3)*cos(q5)*sin(q4)*sin(q6))/15625000000 - (10421867*cos(q4)*cos(q5)*sin(q3)*sin(q6))/1953125000 - (32755927981*sin(q3)*sin(q4)*sin(q5)*sin(q6))/250000000000 + (7618384777*cos(q4)*cos(q5)*cos(q6)^2*sin(q3)*sin(q5))/62500000000 - (7618384777*cos(q6)*sin(q3)*sin(q4)*sin(q5)*sin(q6))/62500000000,(7618384777*sin(q3)*sin(q4))/62500000000 - (7618384777*cos(q6)^2*sin(q3)*sin(q4))/62500000000 - (32755927981*cos(q3)*si

n(q5)*sin(q6))/250000000000 - (2740951021*cos(q5)*sin(q3)*sin(q6))/15625000000 - (2740951021*cos(q3)*cos(q4)*sin(q5)*sin(q6))/15625000000 - (32755927981*cos(q4)*cos(q5)*sin(q3)*sin(q6))/250000000000 - (7618384777*cos(q3)*cos(q6)*sin(q5)*sin(q6))/62500000000 + (10421867*sin(q3)*sin(q4)*sin(q5)*sin(q6))/1953125000 - (7618384777*cos(q4)*cos(q5)*cos(q6)*sin(q3)*sin(q6))/62500000000,(7618384777*cos(q3)*cos(q5))/62500000000 + (32755927981*cos(q3)*cos(q5)*cos(q6))/250000000000 - (7618384777*cos(q4)*sin(q3)*sin(q5))/62500000000 - (2740951021*cos(q3)*sin(q4)*sin(q6))/15625000000 - (10421867*cos(q4)*sin(q3)*sin(q6))/1953125000 - (2740951021*cos(q6)*sin(q3)*sin(q5))/15625000000 + (2740951021*cos(q3)*cos(q4)*cos(q5)*cos(q6))/15625000000 - (32755927981*cos(q4)*cos(q6)*sin(q3)*sin(q5))/250000000000 - (10421867*cos(q5)*cos(q6)*sin(q3)*sin(q4))/1953125000,0;

(359646854253*cos(q2))/1000000000000 + (1915553*cos(q2)*cos(q3))/3906250000 + (32755927981*cos(q2)*cos(q6))/125000000000 - (8538821*sin(q2)*sin(q3))/488281250 - (237258851293*cos(q2)*cos(q4)^2)/1000000000000 - (7618384777*cos(q2)*cos(q5)^2)/62500000000 - (32755927981*cos(q2)*cos(q4)^2*cos(q6))/125000000000 + (7618384777*cos(q2)*cos(q4)^2*cos(q5)^2)/62500000000 - (7618384777*cos(q2)*cos(q4)^2*cos(q6)^2)/62500000000 + (7618384777*cos(q2)*cos(q5)^2*cos(q6)^2)/62500000000 + (4734679849*cos(q2)*sin(q3)*sin(q4))/500000000000 + (21105437293*cos(q3)*sin(q2)*sin(q4))/62500000000 - (80248811*cos(q4)*sin(q2)*sin(q3))/7812500000 + (10421867*cos(q2)*sin(q5)*sin(q6))/976562500 - (7618384777*cos(q2)*cos(q4)^2*cos(q5)^2*cos(q6)^2)/62500000000 + (237258851293*cos(q3)*cos(q4)*sin(q2)*sin(q4))/1000000000000 + (614890153*cos(q2)*cos(q6)*sin(q3)*sin(q4))/125000000000 + (2740951021*cos(q3)*cos(q6)*sin(q2)*sin(q4))/15625000000 - (10421867*cos(q4)*cos(q6)*sin(q2)*sin(q3))/1953125000 + (614890153*cos(q2)*cos(q3)*sin(q5)*sin(q6))/125000000000 - (32755927981*cos(q3)*cos(q5)*sin(q2)*sin(q6))/250000000000 - (2740951021*sin(q2)*sin(q3)*sin(q5)*sin(q6))/15625000000 - (7618384777*cos(q3)*cos(q4)*cos(q5)^2*sin(q2)*sin(q4))/62500000000 + (7618384777*cos(q3)*cos(q4)*cos(q6)^2*sin(q2)*sin(q4))/62500000000 + (32755927981*cos(q3)*cos(q4)^2*cos(q5)*sin(q2)*sin(q6))/125000000000 + (32755927981*cos(q3)*cos(q4)*cos(q6)*sin(q2)*sin(q4))/125000000000 + (614890153*cos(q2)*cos(q4)*cos(q5)*sin(q3)*sin(q6))/125000000000 + (2740951021*cos(q3)*cos(q4)*cos(q5)*sin(q2)*sin(q6))/15625000000 + (32755927981*cos(q2)*cos(q4)*cos(q5)*sin(q4)*sin(q6))/125000000000 - (7618384777*cos(q3)*cos(q5)*cos(q6)*sin(q2)*sin(q6))/62500000000 + (7618384777*cos(q5)*sin(q2)*sin(q3)*sin(q4)*sin(q5))/62500000000 - (32755927981*cos(q4)*sin(q2)*sin(q3)*sin(q5)*sin(q6))/250000000000 + (10421867*cos(q5)*sin(q2)*sin(q3)*sin(q4)*sin(q6))/1953125000 + (7618384777*cos(q3)*cos(q4)*cos(q5)^2*cos(q6)^2*sin(q2)*sin(q4))/62500000000 + (7618384777*cos(q2)*cos(q4)*cos(q5)*cos(q6)*sin(q4)*sin(q6))/31250000000 - (7618384777*cos(q4)*cos(q6)*sin(q2)*sin(q3)*sin(q5)*sin(q6))/62500000000 + (7618384777*cos(q3)*cos(q4)^2*cos(q5)*cos(q6)*sin(q2)*sin(q6))/31250000000 - (7618384777*cos(q5)*cos(q6)^2*sin(q2)*sin(q3)*sin(q4)*sin(q5))/62500000000,(32755927981*cos(q5)*sin(q3)*sin(q6))/250000000000 - (80248811*cos(q3)*cos(q4))/7812500000 - (21105437293*sin(q3)*sin(q4))/62500000000 - (10421867*cos(q3)*cos(q4)*cos(q6))/1953125000 - (237258851293*cos(q4)*sin(q3)*sin(q4))/1000000000000 - (2740951021*cos(q6)*sin(q3)*sin(q4))/15625000000 - (2740951021*cos(q3)*sin(q5)*sin(q6))/15625000000 - (8538821*cos(q3))/488281250 + (7618384777*cos(q4)*cos(q5)^2*sin(q3)*sin(q4))/62500000000 - (7618384777*cos(q4)*cos(q6)^2*sin(q3)*sin(q4))/62500000000 - (32755927981*cos(q4)^2*cos(q5)*sin(q3)*sin(q6))/125000000000 + (7618384777*cos(q3)*cos(q5)*sin(q4)*sin(q5))/62500000000 - (32755927981*cos(q4)*cos(q6)*sin(q3)*sin(q4))/125000000000 - (32755927981*cos(q3)*cos(q4)*sin(q5)*sin(q6))/250000000000 + (10421867*cos(q3)*cos(q5)*sin(q4)*sin(q6))/1953125000 - (2740951021*cos(q4)*cos(q5)*sin(q3)*sin(q6))/15625000000 + (7618384777*cos(q5)*cos(q6)*sin(q3)*sin(q6))/62500000000 - (7618384777*cos(q3)*cos(q5)*cos(q6)^2*sin(q4)*sin(q5))/62500000000 - (7618384777*cos(q4)^2*cos(q5)*cos(q6)*sin(q3)*sin(q6))/31250000000 - (7618384777*cos(q4)*cos(q5)^2*cos(q6)^2*sin(q3)*sin(q4))/62500000000 - (7618384777*cos(q3)*cos(q4)*cos(q6)*sin(q5)*sin(q6))/62500000000,(32755927981*cos(q6))/125000000000 + (10421867*sin(q5)*sin(q6))/976562500 - (237258851293*cos(q4)^2)/1000000000000 - (7618384777*cos(q5)^2)/62500000000 - (32755927981*cos(q4)^2*cos(q6))/125000000000 + (7618384777*cos(q4)^2*cos(q5)^2)/62500000000 - (7618384777*cos(q4)^2*cos(q6)^2)/62500000000 + (7618384777*cos(q5)^2*cos(q6)^2)/62500000000 - (7618384777*cos(q4)^2*cos(q5)^2*cos(q6)^2)/62500000000 + (32755927981*cos(q4)*cos(q5)*sin(q4)*sin(q6))/125000000000 + (7618384777*cos(q4)*cos(q5)*cos(q6)*sin(q4)*sin(q6))/31250000000 + 359646854253/1000000000000,(7618384777*cos(q5)*sin(q4)*sin(q5))/62500000000 - (10421867*cos(q4)*cos(q6))/1953125000 - (80248811*cos(q4))/7812500000 - (32755927981*cos(q4)*sin(q5)*sin(q6))/250000000000 + (10421867*cos(q5)*sin(q4)*sin(q6))/1953125000 - (7618384777*cos(q5)*cos(q6)^2*sin(q4)*sin(q5))/62500000000 - (7618384777*cos(q4)*cos(q6)*sin(q5)*sin(q6))/62500000000,(7618384777*cos(q4))/62500000000 - (7618384777*cos(q4)*cos(q6)^2)/62500000000 + (10421867*cos(q4)*sin(q5)*sin(q6))/1953125000 + (32755927981*cos(q5)*sin(q4)*sin(q6))/250000000000 + (7618384777*cos(q5)*cos(q6)*sin(q4)*sin(q6))/62500000000,(7618384777*sin(q4)*sin(q5))/62500000000 + (10421867*sin(q4)*sin(q6))/1953125000 - (10421867*cos(q4)*cos(q5)

*cos(q6))/1953125000 + (32755927981*cos(q6)*sin(q4)*sin(q5))/250000000000,0;
(237258851293*sin(q2)*sin(q3))/1000000000 - (80248811*cos(q2)*cos(q4))/7812500000 + (4734679849*sin(q2)*sin(q4))/500000000000 + (7618384777*cos(q5)^2*sin(q2)*sin(q3))/62500000000 + (7618384777*cos(q6)^2*sin(q2)*sin(q3))/62500000000 - (4734679849*cos(q2)*cos(q3)*cos(q4))/500000000000 - (10421867*cos(q2)*cos(q4)*cos(q6))/1953125000 + (80248811*cos(q3)*sin(q2)*sin(q4))/7812500000 + (21105437293*cos(q4)*sin(q2)*sin(q3))/62500000000 + (32755927981*cos(q6)*sin(q2)*sin(q3))/125000000000 + (614890153*cos(q6)*sin(q2)*sin(q4))/125000000000 - (7618384777*cos(q5)^2*cos(q6)^2*sin(q2)*sin(q3))/62500000000 - (614890153*cos(q2)*cos(q3)*cos(q4)*cos(q6))/125000000000 + (10421867*cos(q3)*cos(q6)*sin(q2)*sin(q4))/1953125000 + (2740951021*cos(q4)*cos(q6)*sin(q2)*sin(q3))/15625000000 + (7618384777*cos(q2)*cos(q5)*sin(q4)*sin(q5))/62500000000 - (32755927981*cos(q2)*cos(q4)*sin(q5)*sin(q6))/250000000000 + (10421867*cos(q2)*cos(q5)*sin(q4)*sin(q6))/1953125000 + (614890153*cos(q4)*cos(q5)*sin(q2)*sin(q6))/125000000000 - (7618384777*cos(q2)*cos(q5)*cos(q6)^2*sin(q4)*sin(q5))/62500000000 + (7618384777*cos(q3)*cos(q4)*cos(q5)*sin(q2)*sin(q5))/62500000000 + (614890153*cos(q2)*cos(q3)*cos(q5)*sin(q4)*sin(q6))/125000000000 + (10421867*cos(q3)*cos(q4)*cos(q5)*sin(q2)*sin(q6))/1953125000 - (7618384777*cos(q2)*cos(q4)*cos(q6)*sin(q5)*sin(q6))/62500000000 + (32755927981*cos(q3)*sin(q2)*sin(q4)*sin(q5)*sin(q6))/250000000000 - (2740951021*cos(q5)*sin(q2)*sin(q3)*sin(q4)*sin(q6))/15625000000 + (7618384777*cos(q3)*cos(q6)*sin(q2)*sin(q4)*sin(q5)*sin(q6))/62500000000 - (7618384777*cos(q3)*cos(q4)*cos(q5)*cos(q6)^2*sin(q2)*sin(q5))/62500000000,(237258851293*cos(q3))/1000000000 + (21105437293*cos(q3)*cos(q4))/62500000000 + (32755927981*cos(q3)*cos(q6))/125000000000 - (80248811*sin(q3)*sin(q4))/7812500000 + (7618384777*cos(q3)*cos(q5)^2)/62500000000 + (7618384777*cos(q3)*cos(q6)^2)/62500000000 - (7618384777*cos(q3)*cos(q5)^2*cos(q6)^2)/62500000000 + (2740951021*cos(q3)*cos(q4)*cos(q6))/15625000000 - (10421867*cos(q6)*sin(q3)*sin(q4))/1953125000 - (7618384777*cos(q4)*cos(q5)*sin(q3)*sin(q5))/62500000000 - (2740951021*cos(q3)*cos(q5)*sin(q4)*sin(q6))/15625000000 - (10421867*cos(q4)*cos(q5)*sin(q3)*sin(q6))/1953125000 - (32755927981*sin(q3)*sin(q4)*sin(q5)*sin(q6))/250000000000 + (7618384777*cos(q4)*cos(q5)*cos(q6)^2*sin(q3)*sin(q5))/62500000000 - (7618384777*cos(q6)*sin(q3)*sin(q4)*sin(q5)*sin(q6))/62500000000,(7618384777*cos(q5)*sin(q4)*sin(q5))/62500000000 - (10421867*cos(q4)*cos(q6))/1953125000 - (80248811*cos(q4))/7812500000 - (32755927981*cos(q4)*sin(q5)*sin(q6))/250000000000 + (10421867*cos(q5)*sin(q4)*sin(q6))/1953125000 - (7618384777*cos(q5)*cos(q6)^2*sin(q4)*sin(q5))/62500000000 - (7618384777*cos(q4)*cos(q6)*sin(q5)*sin(q6))/62500000000,(32755927981*cos(q6))/125000000000 + (7618384777*cos(q5)^2)/62500000000 + (7618384777*cos(q6)^2)/62500000000 - (7618384777*cos(q5)^2*cos(q6)^2)/62500000000 + 237258851293/1000000000000,-(10421867*sin(q5)*sin(q6)*(2924*cos(q6) + 3143))/250000000000,(10421867*cos(q5)*(3143*cos(q6) + 2924))/250000000000,0;
(7618384777*cos(q2)*cos(q4))/62500000000 - (7618384777*cos(q2)*cos(q4)*cos(q6)^2)/62500000000 - (7618384777*cos(q3)*sin(q2)*sin(q4))/62500000000 + (7618384777*cos(q3)*cos(q6)^2*sin(q2)*sin(q4))/62500000000 + (614890153*cos(q2)*cos(q5)*sin(q3)*sin(q6))/125000000000 + (2740951021*cos(q3)*cos(q5)*sin(q2)*sin(q6))/15625000000 + (10421867*cos(q2)*cos(q4)*sin(q5)*sin(q6))/1953125000 + (32755927981*cos(q2)*cos(q5)*sin(q4)*sin(q6))/250000000000 - (32755927981*sin(q2)*sin(q3)*sin(q5)*sin(q6))/250000000000 - (614890153*sin(q2)*sin(q4)*sin(q5)*sin(q6))/125000000000 + (614890153*cos(q2)*cos(q3)*cos(q4)*sin(q5)*sin(q6))/125000000000 + (32755927981*cos(q3)*cos(q4)*cos(q5)*sin(q2)*sin(q6))/250000000000 + (7618384777*cos(q2)*cos(q5)*cos(q6)*sin(q4)*sin(q6))/62500000000 - (10421867*cos(q3)*sin(q2)*sin(q4)*sin(q5)*sin(q6))/1953125000 - (2740951021*cos(q4)*sin(q2)*sin(q3)*sin(q5)*sin(q6))/15625000000 - (7618384777*cos(q6)*sin(q2)*sin(q3)*sin(q5)*sin(q6))/62500000000 + (7618384777*cos(q3)*cos(q4)*cos(q5)*cos(q6)*sin(q2)*sin(q6))/62500000000,(7618384777*sin(q3)*sin(q4))/62500000000 - (7618384777*cos(q6)^2*sin(q3)*sin(q4))/62500000000 - (32755927981*cos(q3)*sin(q5)*sin(q6))/250000000000 - (2740951021*cos(q5)*sin(q3)*sin(q6))/15625000000 - (2740951021*cos(q3)*cos(q4)*sin(q5)*sin(q6))/15625000000 - (32755927981*cos(q4)*cos(q5)*sin(q3)*sin(q6))/250000000000 - (7618384777*cos(q3)*cos(q6)*sin(q5)*sin(q6))/62500000000 + (10421867*sin(q3)*sin(q4)*sin(q5)*sin(q6))/1953125000 - (7618384777*cos(q4)*cos(q5)*cos(q6)*sin(q3)*sin(q6))/62500000000,(7618384777*cos(q4))/62500000000 - (7618384777*cos(q4)*cos(q6)^2)/62500000000 + (10421867*cos(q4)*sin(q5)*sin(q6))/1953125000 + (32755927981*cos(q5)*sin(q4)*sin(q6))/250000000000 + (7618384777*cos(q5)*cos(q6)*sin(q4)*sin(q6))/62500000000,-(10421867*sin(q5)*sin(q6)*(2924*cos(q6) + 3143))/250000000000,(7618384777*sin(q6)^2)/62500000000,0,0;
(7618384777*cos(q5)*sin(q2)*sin(q3))/62500000000 + (7618384777*cos(q2)*sin(q4)*sin(q5))/62500000000 + (10421867*cos(q2)*sin(q4)*sin(q6))/1953125000 + (614890153*cos(q4)*sin(q2)*sin(q6))/125000000000 - (10421867*cos(q2)*cos(q4)*cos(q5)*cos(q6))/1953125000 + (7618384777*cos(q3)*cos(q4)*sin(q2)*sin(q5))/62500000000 + (614890153*cos(q2)*cos(q3)*sin(q4)*sin(q6))/125000000000 + (10421867*cos(q3)*cos(q4)*sin(q2)*sin(q6))/1953125000 + (614890153*cos(q2)*cos(q6)*sin(q3)*sin(q5))/125000000000 + (2740951021*cos(q3)*cos(q6)*sin(q2)

*sin(q5))/15625000000 + (32755927981*cos(q5)*cos(q6)*sin(q2)*sin(q3))/250000000000 + (32755927981*cos(q2)*cos(q6)*sin(q4)*sin(q5))/250000000000 + (614890153*cos(q5)*cos(q6)*sin(q2)*sin(q4))/125000000000 - (2740951021*sin(q2)*sin(q3)*sin(q4)*sin(q6))/15625000000 - (614890153*cos(q2)*cos(q3)*cos(q4)*cos(q5)*cos(q6))/125000000000 + (32755927981*cos(q3)*cos(q4)*cos(q6)*sin(q2)*sin(q5))/250000000000 + (10421867*cos(q3)*cos(q5)*cos(q6)*sin(q2)*sin(q4))/1953125000 + (2740951021*cos(q4)*cos(q5)*cos(q6)*sin(q2)*sin(q3))/15625000000,(7618384777*cos(q3)*cos(q5))/62500000000 + (32755927981*cos(q3)*cos(q5)*cos(q6))/250000000000 - (7618384777*cos(q4)*sin(q3)*sin(q5))/62500000000 - (2740951021*cos(q3)*sin(q4)*sin(q6))/15625000000 - (10421867*cos(q4)*sin(q3)*sin(q6))/1953125000 - (2740951021*cos(q6)*sin(q3)*sin(q5))/15625000000 + (2740951021*cos(q3)*cos(q4)*cos(q5)*cos(q6))/15625000000 - (32755927981*cos(q4)*cos(q6)*sin(q3)*sin(q5))/250000000000 - (10421867*cos(q5)*cos(q6)*sin(q3)*sin(q4))/1953125000,(7618384777*sin(q4)*sin(q5))/62500000000 + (10421867*sin(q4)*sin(q6))/1953125000 - (10421867*cos(q4)*cos(q5)*cos(q6))/1953125000 + (32755927981*cos(q6)*sin(q4)*sin(q5))/250000000000,(10421867*cos(q5)*(3143*cos(q6) + 2924))/250000000000,0,7618384777/62500000000,0;
0,0,0,0,0,0,0;
]