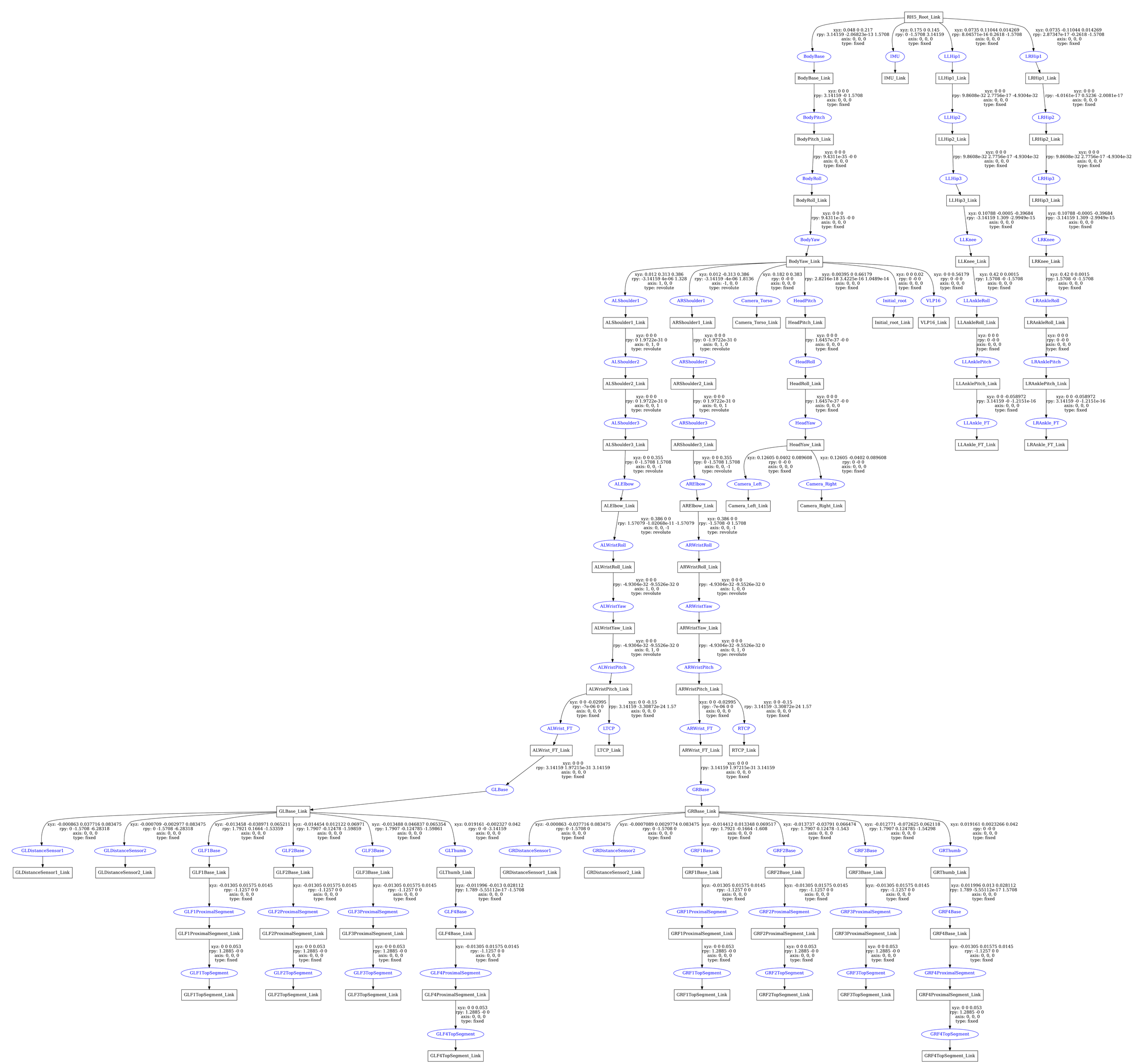
RH5_Root_Link
xyz: 0.048 0 0.217 rpy: 3.14159 -2.06823e-13 1.5708 axis: 0, 0, 0 type: fixed
xyz: 0.175 0 0.145 rpy: 0 -1.5708 3.14159 axis: 0, 0, 0 type: fixed
xyz: 0.0735 0.11044 0.014269 rpy: 8.04571e-16 0.2618 -1.5708 axis: 0, 0, 0 type: fixed
xyz: 0.0735 -0.11044 0.014269 rpy: 2.87347e-17 -0.2618 -1.5708 axis: 0, 0, 0 type: fixed
BodyBase
IMU
LLHip1
LRHip1
BodyBase_Link
IMU_Link
LLHip1_Link
LRHip1_Link
xyz: 0 0 0 rpy: 3.14159 -0 1.5708 axis: 0, 0, 0 type: fixed
xyz: 0 0 0 rpy: 9.8608e-32 2.7756e-17 -4.9304e-32 axis: 0, 0, 0 type: fixed
xyz: 0 0 0 rpy: -4.0161e-17 0.5236 -2.0081e-17 axis: 0, 0, 0 type: fixed
BodyPitch
LLHip2
LRHip2
BodyPitch_Link
LLHip2_Link
LRHip2_Link
xyz: 0 0 0 rpy: 9.4311e-35 -0 0 axis: 0, 0, 0 type: fixed
xyz: 0 0 0 rpy: 9.8608e-32 2.7756e-17 -4.9304e-32 axis: 0, 0, 0 type: fixed
xyz: 0 0 0 rpy: 9.8608e-32 2.7756e-17 -4.9304e-32 axis: 0, 0, 0 type: fixed
BodyRoll
LLHip3
LRHip3
BodyRoll_Link
LLHip3_Link
LRHip3_Link
xyz: 0 0 0 rpy: 9.4311e-35 -0 0 axis: 0, 0, 0 type: fixed
xyz: 0.10788 -0.0005 -0.39684 rpy: -3.14159 1.309 -2.9949e-15 axis: 0, 0, 0 type: fixed
xyz: 0.10788 -0.0005 -0.39684 rpy: -3.14159 1.309 -2.9949e-15 axis: 0, 0, 0 type: fixed
BodyYaw
LLKnee
LRKnee
BodyYaw_Link
LLKnee_Link
LRKnee_Link
xyz: 0.012 0.313 0.386 rpy: -3.14159 4e-06 1.328 axis: 1, 0, 0 type: revolute
xyz: 0.012 -0.313 0.386 rpy: -3.14159 -4e-06 1.8136 axis: -1, 0, 0 type: revolute
xyz: 0.182 0 0.383 rpy: 0 -0 0 axis: 0, 0, 0 type: fixed
xyz: 0.00395 0 0.66179 rpy: 2.8216e-18 3.4225e-16 1.0489e-14 axis: 0, 0, 0 type: fixed
xyz: 0 0 0.02 rpy: 0 -0 0 axis: 0, 0, 0 type: fixed
xyz: 0 0 0.56179 rpy: 0 -0 0 axis: 0, 0, 0 type: fixed
xyz: 0.42 0 0.0015 rpy: 1.5708 -0 -1.5708 axis: 0, 0, 0 type: fixed
xyz: 0.42 0 0.0015 rpy: 1.5708 -0 -1.5708 axis: 0, 0, 0 type: fixed
ALShoulder1
ARShoulder1
Camera_Torso
HeadPitch
Initial_root
VLP16
LLAnkleRoll
LRAnkleRoll
ALShoulder1_Link
ARShoulder1_Link
Camera_Torso_Link
HeadPitch_Link
Initial_root_Link
VLP16_Link
LLAnkleRoll_Link
LRAnkleRoll_Link
xyz: 0 0 0 rpy: 0 1.9722e-31 0 axis: 0, 1, 0 type: revolute
xyz: 0 0 0 rpy: 0 -1.9722e-31 0 axis: 0, 1, 0 type: revolute
xyz: 0 0 0 rpy: 1.6457e-37 -0 0 axis: 0, 0, 0 type: fixed
xyz: 0 0 0 rpy: 0 -0 0 axis: 0, 0, 0 type: fixed
xyz: 0 0 0 rpy: 0 -0 0 axis: 0, 0, 0 type: fixed
ALShoulder2
ARShoulder2
HeadRoll
LLAnklePitch
LRAnklePitch
ALShoulder2_Link
ARShoulder2_Link
HeadRoll_Link
LLAnklePitch_Link
LRAnklePitch_Link
xyz: 0 0 0 rpy: 0 1.9722e-31 0 axis: 0, 0, 1 type: revolute
xyz: 0 0 0 rpy: 0 1.9722e-31 0 axis: 0, 0, 1 type: revolute
xyz: 0 0 0 rpy: 1.6457e-37 -0 0 axis: 0, 0, 0 type: fixed
xyz: 0 0 -0.058972 rpy: 3.14159 -0 -1.2151e-16 axis: 0, 0, 0 type: fixed
xyz: 0 0 -0.058972 rpy: 3.14159 -0 -1.2151e-16 axis: 0, 0, 0 type: fixed
ALShoulder3
ARShoulder3
HeadYaw
LLAnkle_FT
LRAnkle_FT
ALShoulder3_Link
ARShoulder3_Link
HeadYaw_Link
LLAnkle_FT_Link
LRAnkle_FT_Link
xyz: 0 0 0.355 rpy: 0 -1.5708 1.5708 axis: 0, 0, -1 type: revolute
xyz: 0 0 0.355 rpy: 0 -1.5708 1.5708 axis: 0, 0, -1 type: revolute
xyz: 0.12605 0.0402 0.089608 rpy: 0 -0 0 axis: 0, 0, 0 type: fixed
xyz: 0.12605 -0.0402 0.089608 rpy: 0 -0 0 axis: 0, 0, 0 type: fixed
ALElbow
ARElbow
Camera_Left
Camera_Right
ALElbow_Link
ARElbow_Link
Camera_Left_Link
Camera_Right_Link
xyz: 0.386 0 0 rpy: 1.57079 -1.02068e-11 -1.57079 axis: 0, 0, -1 type: revolute
xyz: 0.386 0 0 rpy: -1.5708 -0 1.5708 axis: 0, 0, -1 type: revolute
ALWristRoll
ARWristRoll
ALWristRoll_Link
ARWristRoll_Link
xyz: 0 0 0 rpy: -4.9304e-32 -9.5526e-32 0 axis: 1, 0, 0 type: revolute
xyz: 0 0 0 rpy: -4.9304e-32 -9.5526e-32 0 axis: 1, 0, 0 type: revolute
ALWristYaw
ARWristYaw
ALWristYaw_Link
ARWristYaw_Link
xyz: 0 0 0 rpy: -4.9304e-32 -9.5526e-32 0 axis: 0, 1, 0 type: revolute
xyz: 0 0 0 rpy: -4.9304e-32 -9.5526e-32 0 axis: 0, 1, 0 type: revolute
ALWristPitch
ARWristPitch
ALWristPitch_Link
ARWristPitch_Link
xyz: 0 0 -0.02995 rpy: -7e-06 0 0 axis: 0, 0, 0 type: fixed
xyz: 0 0 -0.15 rpy: 3.14159 -3.30872e-24 1.57 axis: 0, 0, 0 type: fixed
xyz: 0 0 -0.02995 rpy: -7e-06 0 0 axis: 0, 0, 0 type: fixed
xyz: 0 0 -0.15 rpy: 3.14159 -3.30872e-24 1.57 axis: 0, 0, 0 type: fixed
ALWrist_FT
LTCP
ARWrist_FT
RTCP
ALWrist_FT_Link
LTCP_Link
ARWrist_FT_Link
RTCP_Link
xyz: 0 0 0 rpy: 3.14159 1.97215e-31 3.14159 axis: 0, 0, 0 type: fixed
xyz: 0 0 0 rpy: 3.14159 1.97215e-31 3.14159 axis: 0, 0, 0 type: fixed
GLBase
GRBase
GLBase_Link
GRBase_Link
xyz: -0.000863 0.037716 0.083475 rpy: 0 -1.5708 -6.28318 axis: 0, 0, 0 type: fixed
xyz: -0.000709 -0.002977 0.083475 rpy: 0 -1.5708 -6.28318 axis: 0, 0, 0 type: fixed
xyz: -0.013458 -0.038971 0.065211 rpy: 1.7921 0.1664 -1.53359 axis: 0, 0, 0 type: fixed
xyz: -0.014454 0.012122 0.06971 rpy: 1.7907 -0.12478 -1.59859 axis: 0, 0, 0 type: fixed
xyz: -0.013488 0.046837 0.065354 rpy: 1.7907 -0.124785 -1.59861 axis: 0, 0, 0 type: fixed
xyz: 0.019161 -0.002327 0.042 rpy: 0 -0 -3.14159 axis: 0, 0, 0 type: fixed
xyz: -0.000863 -0.037716 0.083475 rpy: 0 -1.5708 0 axis: 0, 0, 0 type: fixed
xyz: -0.0007089 0.0029774 0.083475 rpy: 0 -1.5708 0 axis: 0, 0, 0 type: fixed
xyz: -0.014412 0.013348 0.069517 rpy: 1.7921 -0.1664 -1.608 axis: 0, 0, 0 type: fixed
xyz: -0.013737 -0.03791 0.066474 rpy: 1.7907 0.12478 -1.543 axis: 0, 0, 0 type: fixed
xyz: -0.012771 -0.072625 0.062118 rpy: 1.7907 0.124785 -1.54298 axis: 0, 0, 0 type: fixed
xyz: 0.019161 0.0023266 0.042 rpy: 0 -0 0 axis: 0, 0, 0 type: fixed
GLDistanceSensor1
GLDistanceSensor2
GLF1Base
GLF2Base
GLF3Base
GLThumb
GRDistanceSensor1
GRDistanceSensor2
GRF1Base
GRF2Base
GRF3Base
GRThumb
GLDistanceSensor1_Link
GLDistanceSensor2_Link
GLF1Base_Link
GLF2Base_Link
GLF3Base_Link
GLThumb_Link
GRDistanceSensor1_Link
GRDistanceSensor2_Link
GRF1Base_Link
GRF2Base_Link
GRF3Base_Link
GRThumb_Link
xyz: -0.01305 0.01575 0.0145 rpy: -1.1257 0 0 axis: 0, 0, 0 type: fixed
xyz: -0.01305 0.01575 0.0145 rpy: -1.1257 0 0 axis: 0, 0, 0 type: fixed
xyz: -0.01305 0.01575 0.0145 rpy: -1.1257 0 0 axis: 0, 0, 0 type: fixed
xyz: -0.011996 -0.013 0.028112 rpy: 1.789 -5.55112e-17 -1.5708 axis: 0, 0, 0 type: fixed
xyz: -0.01305 0.01575 0.0145 rpy: -1.1257 0 0 axis: 0, 0, 0 type: fixed
xyz: -0.01305 0.01575 0.0145 rpy: -1.1257 0 0 axis: 0, 0, 0 type: fixed
xyz: -0.01305 0.01575 0.0145 rpy: -1.1257 0 0 axis: 0, 0, 0 type: fixed
xyz: 0.011996 0.013 0.028112 rpy: 1.789 -5.55112e-17 1.5708 axis: 0, 0, 0 type: fixed
GLF1ProximalSegment
GLF2ProximalSegment
GLF3ProximalSegment
GLF4Base
GRF1ProximalSegment
GRF2ProximalSegment
GRF3ProximalSegment
GRF4Base
GLF1ProximalSegment_Link
GLF2ProximalSegment_Link
GLF3ProximalSegment_Link
GLF4Base_Link
GRF1ProximalSegment_Link
GRF2ProximalSegment_Link
GRF3ProximalSegment_Link
GRF4Base_Link
xyz: 0 0 0.053 rpy: 1.2885 -0 0 axis: 0, 0, 0 type: fixed
xyz: 0 0 0.053 rpy: 1.2885 -0 0 axis: 0, 0, 0 type: fixed
xyz: 0 0 0.053 rpy: 1.2885 -0 0 axis: 0, 0, 0 type: fixed
xyz: -0.01305 0.01575 0.0145 rpy: -1.1257 0 0 axis: 0, 0, 0 type: fixed
xyz: 0 0 0.053 rpy: 1.2885 -0 0 axis: 0, 0, 0 type: fixed
xyz: 0 0 0.053 rpy: 1.2885 -0 0 axis: 0, 0, 0 type: fixed
xyz: 0 0 0.053 rpy: 1.2885 -0 0 axis: 0, 0, 0 type: fixed
xyz: -0.01305 0.01575 0.0145 rpy: -1.1257 0 0 axis: 0, 0, 0 type: fixed
GLF1TopSegment
GLF2TopSegment
GLF3TopSegment
GLF4ProximalSegment
GRF1TopSegment
GRF2TopSegment
GRF3TopSegment
GRF4ProximalSegment
GLF1TopSegment_Link
GLF2TopSegment_Link
GLF3TopSegment_Link
GLF4ProximalSegment_Link
GRF1TopSegment_Link
GRF2TopSegment_Link
GRF3TopSegment_Link
GRF4ProximalSegment_Link
xyz: 0 0 0.053 rpy: 1.2885 -0 0 axis: 0, 0, 0 type: fixed
xyz: 0 0 0.053 rpy: 1.2885 -0 0 axis: 0, 0, 0 type: fixed
GLF4TopSegment
GRF4TopSegment
GLF4TopSegment_Link
GRF4TopSegment_Link