

Animation

Lastwagen

Es folgen die Koordinaten eines Punktes vorne links und vorne rechts. Der Rest ist konstruiert.

x3

$$\text{IsIn}(w,0,60)*(-6.5+13/60*w)+\text{IsIn}(w,60,120)*(7.5*\sin(60+(w-60)*4))+\text{IsIn}(w,120,180)*(-6.5)+\text{IsIn}(w,180,240)*(-6.5+13/60*(w-180))+\text{IsIn}(w,240,300)*(6.5-1/\sqrt{675.25}*13*\cos(3*w-810))+\text{IsIn}(w,300,360)*(7.5*\sin(60+(w-300)*4))$$

y3

$$\text{IsIn}(w,0,60)*(-11.25+22.5/60*w)+\text{IsIn}(w,60,120)*(15-7.5*\cos(60+(w-60)*4))+\text{IsIn}(w,120,180)*11.25+\text{IsIn}(w,180,240)*(11.25-22.5/60*(w-180))+\text{IsIn}(w,240,300)*(-11.25+1/\sqrt{675.25}*22.5*\cos(3*w-810))+\text{IsIn}(w,300,360)*(-15+7.5*\cos(60+(w-300)*4))$$

x4

$$\text{IsIn}(w,0,60)*(x(P9)+(x(P7)-x(P9))/60*w)+\text{IsIn}(w,60,120)*(r1*\sin(60+(w-60)*4))+\text{IsIn}(w,120,180)*(x(P))+\text{IsIn}(w,180,240)*(x(P)+(x(P6)-x(P))/60*(w-180))+\text{IsIn}(w,240,300)*(x(P6)-1/\sqrt{675.25}*13*\cos(3*w-810))+\text{IsIn}(w,300,360)*(r2*\sin(60+(w-300)*4))$$

y4

$$\text{IsIn}(w,0,60)*(y(P9)+(y(P7)-y(P9))/60*w)+\text{IsIn}(w,60,120)*(15-r1*\cos(60+(w-60)*4))+\text{IsIn}(w,120,180)*y(P)+\text{IsIn}(w,180,240)*(y(P)+(y(P6)-y(P))/60*(w-180))+\text{IsIn}(w,240,300)*(y(P6)+1/\sqrt{675.25}*22.5*\cos(3*w-810))+\text{IsIn}(w,300,360)*(-15+r2*\cos(60+(w-300)*4))$$

z3

$$\text{IsIn}(w,0,240)*0.5+\text{IsIn}(w,240,300)*(\sqrt{1^2-(1-\sqrt{(1/\sqrt{675.25}*13*\cos(3*w-810))^2+(1/\sqrt{675.25}*22.5*\cos(3*w-810))^2})^2+0.5)+\text{IsIn}(w,300,360)*0.5$$

Countdown

N1

$$(-24,-19,(\text{IsIn}(w,0,180)+\text{IsIn}(w,216,288)+\text{IsIn}(w,324,360))*9)$$

N2

$$(-19,-24,(\text{IsIn}(w,0,180)+\text{IsIn}(w,216,288)+\text{IsIn}(w,324,360))*9)$$

N3

$$(-24,-19,(\text{IsIn}(w,0,72)+\text{IsIn}(w,108,288))*6)$$

N4

$$(-19,-24,(\text{IsIn}(w,0,72)+\text{IsIn}(w,108,288))*6)$$

N5

$$(-24,-19,(\text{IsIn}(w,36,72)+\text{IsIn}(w,108,180)+\text{IsIn}(w,216,288)+\text{IsIn}(w,324,360))*3)$$

N6

$$(-19,-24,(\text{IsIn}(w,36,72)+\text{IsIn}(w,108,180)+\text{IsIn}(w,216,288)+\text{IsIn}(w,324,360))*3)$$

N7

$$(-19,-24,(\text{IsIn}(w,0,72)+\text{IsIn}(w,108,216)+\text{IsIn}(w,324,360))*9)$$

N8

$$(-19,-24,(\text{IsIn}(w,0,72)+\text{IsIn}(w,108,216)+\text{IsIn}(w,324,360))*6)$$

N9

$$(-24,-19,(\text{IsIn}(w,0,108)+\text{IsIn}(w,180,360))*9)$$

N10

$$(-24,-19,(\text{IsIn}(w,0,108)+\text{IsIn}(w,180,360))*6)$$

N11

$$(-19,-24,(\text{IsIn}(w,36,72)+\text{IsIn}(w,108,144)+\text{IsIn}(w,252,288)+\text{IsIn}(w,324,360))*6)$$

N12

$$(-19,-24,(\text{IsIn}(w,36,72)+\text{IsIn}(w,108,144)+\text{IsIn}(w,252,288)+\text{IsIn}(w,324,360))*3)$$

N13

$$(-24,-19,(\text{IsIn}(w,0,252)+\text{IsIn}(w,288,360))*6)$$

N14

$(-24,-19,(\text{IsIn}(w,0,252)+\text{IsIn}(w,288,360))*3)$

Flugzeug

F1

$\text{vec}(\text{IsIn}(w,0,90)*12.5+\text{IsIn}(w,90,180)*(7.5+5*\cos(w-90))+\text{IsIn}(w,180,225)*(7.5+(w-180)/10)+\text{IsIn}(w,225,270)*(12-(w-225)/10)+\text{IsIn}(w,270,360)*(7.5-30*\tan(w-270)),\text{IsIn}(w,0,90)*(-27+46/90*w)+\text{IsIn}(w,90,180)*(19+5*\sin(w-90))+\text{IsIn}(w,180,270)*24+\text{IsIn}(w,270,360)*(24-\tan(w-270)^2),\text{IsIn}(w,0,180)*0.5+\text{IsIn}(w,180,360)*0.5)$

F2

$\text{vec}(\text{IsIn}(w,0,90)*9.5+\text{IsIn}(w,90,180)*(7.5+2*\cos(w-90))+\text{IsIn}(w,180,225)*(7.5+(w-180)/10)+\text{IsIn}(w,225,270)*(12-(w-225)/10)+\text{IsIn}(w,270,360)*(7.5-30*\tan(w-270)),\text{IsIn}(w,0,90)*(-27+46/90*w)+\text{IsIn}(w,90,180)*(19+2*\sin(w-90))+\text{IsIn}(w,180,270)*21+\text{IsIn}(w,270,360)*(21-\tan(w-270)^2),\text{IsIn}(w,0,180)*0.5+\text{IsIn}(w,180,360)*0.5)$

F3

$\text{vec}(\text{IsIn}(w,0,90)*11+\text{IsIn}(w,90,180)*(7.5+\sqrt{3.5^2+6^2}*\cos(w-90+\text{atan}(6/3.5)))+\text{IsIn}(w,180,225)*(1.5+(w-180)/10)+\text{IsIn}(w,225,270)*(6-(w-225)/10)+\text{IsIn}(w,270,360)*(1.5-30*\tan(w-270)),\text{IsIn}(w,0,90)*(-21+46/90*w)+\text{IsIn}(w,90,180)*(19+\sqrt{3.5^2+6^2}*\sin(w-90+\text{atan}(6/3.5)))+\text{IsIn}(w,180,270)*22.5+\text{IsIn}(w,270,360)*(22.5-\tan(w-270)^2),\text{IsIn}(w,0,180)*1+\text{IsIn}(w,180,360)*1)$

Hangar Türe

D9

$(\text{IsIn}(w,270,360)*(14+2.75*\cos(w-90))+\text{IsIn}(w,0,90)*14+\text{IsIn}(w,90,180)*(14+2.75*\cos(w))+\text{IsIn}(w,180,270)*11.25,\text{IsIn}(w,270,360)*(-20-2.75*\sin(w-90))+\text{IsIn}(w,0,90)*(-20+2.75)+\text{IsIn}(w,90,180)*(-20+2.75*\sin(w))+\text{IsIn}(w,180,270)*(-20),0)$

D10

$(\text{IsIn}(w,270,360)*(14+2.75*\cos(w-90))+\text{IsIn}(w,0,90)*14+\text{IsIn}(w,90,180)*(14+2.75*\cos(w))+\text{IsIn}(w,180,270)*11.25,\text{IsIn}(w,270,360)*(-20-2.75*\sin(w-90))+\text{IsIn}(w,0,90)*(-20+2.75)+\text{IsIn}(w,90,180)*(-20+2.75*\sin(w))+\text{IsIn}(w,180,270)*(-20),3)$

D11

$(\text{IsIn}(w,270,360)*(8.50-2.75*\cos(w-90))+\text{IsIn}(w,0,90)*8.5+\text{IsIn}(w,90,180)*(8.5-2.75*\cos(w))+\text{IsIn}(w,180,270)*11.25,\text{IsIn}(w,270,360)*(-20-2.75*\sin(w-90))+\text{IsIn}(w,0,90)*(-20+2.75)+\text{IsIn}(w,90,180)*(-20+2.75*\sin(w))+\text{IsIn}(w,180,270)*(-20),3)$

D12

$(\text{IsIn}(w,270,360)*(8.50-2.75*\cos(w-90))+\text{IsIn}(w,0,90)*8.5+\text{IsIn}(w,90,180)*(8.5-2.75*\cos(w))+\text{IsIn}(w,180,270)*11.25,\text{IsIn}(w,270,360)*(-20-2.75*\sin(w-90))+\text{IsIn}(w,0,90)*(-20+2.75)+\text{IsIn}(w,90,180)*(-20+2.75*\sin(w))+\text{IsIn}(w,180,270)*(-20),0)$

Helikopter 1

H12

$\text{vec}(20+3*\sin(a*w+90),\text{IsIn}(w,0,90)*(-25+w/2+3*\cos(a*w+90))+\text{IsIn}(w,90,180)*(20+3*\cos(a*w+90))+\text{IsIn}(w,180,225)*(20+3*\cos(a*w+90))+\text{IsIn}(w,225,270)*(20-(w-225)+3*\cos(a*w+90))+\text{IsIn}(w,270,300)*(-25+3*\cos(a*w+90))+\text{IsIn}(w,300,360)*(-25+3*\cos(a*w+90)),\text{IsIn}(w,0,90)*3+\text{IsIn}(w,90,180)*(3+(w-90)/5)+\text{IsIn}(w,180,225)*21+\text{IsIn}(w,225,270)*21+\text{IsIn}(w,270,300)*(21-(w-270)*18/30)+\text{IsIn}(w,300,360)*3)$

H13

$\text{vec}(20,\text{IsIn}(w,0,90)*(-25+w/2)+\text{IsIn}(w,90,180)*20+\text{IsIn}(w,180,225)*20+\text{IsIn}(w,225,270)*(20-(w-225))+\text{IsIn}(w,270,300)*(-25)+\text{IsIn}(w,300,360)*(-25),\text{IsIn}(w,0,90)*3+\text{IsIn}(w,90,180)*(3+(w-90)/5)+\text{IsIn}(w,180,225)*21+\text{IsIn}(w,225,270)*21+\text{IsIn}(w,270,300)*(21-(w-270)*18/30)+\text{IsIn}(w,300,360)*3)$

H14

$\text{vec}(20+3*\sin(a*w),\text{IsIn}(w,0,90)*(-25+w/2+3*\cos(a*w))+\text{IsIn}(w,90,180)*(20+3*\cos(a*w))+\text{IsIn}(w,180,225)*(20+3*\cos(a*w))+\text{IsIn}(w,225,270)*(20-(w-225)+3*\cos(a*w))+\text{IsIn}(w,270,300)*(-25+3*\cos(a*w))+\text{IsIn}(w,300,360)*(-25+3*\cos(a*w)),\text{IsIn}(w,0,90)*3+\text{IsIn}(w,90,180)*(3+(w-90)/5)+\text{IsIn}(w,180,225)*21+\text{IsIn}(w,225,270)*21+\text{IsIn}(w,270,300)*(21-(w-270)*18/30)+\text{IsIn}(w,300,360)*3)$

H15

$\text{vec}(20+3*\sin(a*w+180),\text{IsIn}(w,0,90)*(-25+w/2+3*\cos(a*w+180))+\text{IsIn}(w,90,180)*(20+3*\cos(a*w+180))+\text{IsIn}(w,180,225)*(20+3*\cos(a*w+180))+\text{IsIn}(w,225,270)$

)*(-20-(w-225)+3*cos(a*w+180))+ln(w,270,300)*(-25+3*cos(a*w+180))+ln(w,300,360)*(-25+3*cos(a*w+180)),ln(w,0,90)*3+ln(w,90,180)*(3+(w-90)/5)+ln(w,180,225)*21+ln(w,225,270)*21+ln(w,270,300)*(21-(w-270)*18/30)+ln(w,300,360)*3)

H16

vec(20+3*sin(a*w+270),ln(w,0,90)*(-25+w/2+3*cos(a*w+270))+ln(w,90,180)*(20+3*cos(a*w+270))+ln(w,180,225)*(20+3*cos(a*w+270))+ln(w,225,270)*(-20-(w-225)+3*cos(a*w+270))+ln(w,270,300)*(-25+3*cos(a*w+270))+ln(w,300,360)*(-25+3*cos(a*w+270)),ln(w,0,90)*3+ln(w,90,180)*(3+(w-90)/5)+ln(w,180,225)*21+ln(w,225,270)*21+ln(w,270,300)*(21-(w-270)*18/30)+ln(w,300,360)*3)

H19

vec(21,ln(w,0,90)*(-24+w/2)+ln(w,90,180)*21+ln(w,180,225)*21+ln(w,225,270)*(21-(w-225))+ln(w,270,300)*(-24)+ln(w,300,360)*(-24),ln(w,0,90)*0+ln(w,90,180)*(0+(w-90)/5)+ln(w,180,225)*18+ln(w,225,270)*18+ln(w,270,300)*(18-(w-270)*18/30)+ln(w,300,360)*0)

H20

vec(19,ln(w,0,90)*(-24+w/2)+ln(w,90,180)*21+ln(w,180,225)*21+ln(w,225,270)*(21-(w-225))+ln(w,270,300)*(-24)+ln(w,300,360)*(-24),ln(w,0,90)*0+ln(w,90,180)*(0+(w-90)/5)+ln(w,180,225)*18+ln(w,225,270)*18+ln(w,270,300)*(18-(w-270)*18/30)+ln(w,300,360)*0)

H21

vec(19,ln(w,0,90)*(-26+w/2)+ln(w,90,180)*19+ln(w,180,225)*19+ln(w,225,270)*(19-(w-225))+ln(w,270,300)*(-26)+ln(w,300,360)*(-26),ln(w,0,90)*0+ln(w,90,180)*(0+(w-90)/5)+ln(w,180,225)*18+ln(w,225,270)*18+ln(w,270,300)*(18-(w-270)*18/30)+ln(w,300,360)*0)

H22

vec(21,ln(w,0,90)*(-26+w/2)+ln(w,90,180)*19+ln(w,180,225)*19+ln(w,225,270)*(19-(w-225))+ln(w,270,300)*(-26)+ln(w,300,360)*(-26),ln(w,0,90)*0+ln(w,90,180)*(0+(w-90)/5)+ln(w,180,225)*18+ln(w,225,270)*18+ln(w,270,300)*(18-(w-270)*18/30)+ln(w,300,360)*0)

Helikopter 2

W1

vec(11.25,ln(w,0,45)*28+ln(w,45,90)*(28-53/45*(w-45))+ln(w,90,120)*(-25)+ln(w,120,220)*(-25)+ln(w,220,310)*(-7-18*cos(w-220))+ln(w,310,360)*(-7+35/50*(w-310)),ln(w,0,45)*21+ln(w,45,90)*21+ln(w,90,120)*(21-(w-90)*15/30)+ln(w,120,220)*6+ln(w,220,310)*(6+15*sin(w-220))+ln(w,310,360)*21)

W2

vec(11.25+3*sin(a*w),ln(w,0,45)*(28+3*cos(a*w))+ln(w,45,90)*(28-53/45*(w-45)+3*cos(a*w))+ln(w,90,120)*(-25+3*cos(a*w))+ln(w,120,220)*(-25+3*cos(a*w))+ln(w,220,310)*(-7-18*cos(w-220)+3*cos(a*w))+ln(w,310,360)*(-7+35/50*(w-310)+3*cos(a*w)),ln(w,0,45)*(21)+ln(w,45,90)*21+ln(w,90,120)*(21-(w-90)*15/30)+ln(w,120,220)*6+ln(w,220,310)*(6+15*sin(w-220))+ln(w,310,360)*21)

W3

vec(11.25+3*sin(a*w+90),ln(w,0,45)*(28+3*cos(a*w+90))+ln(w,45,90)*(28-53/45*(w-45)+3*cos(a*w+90))+ln(w,90,120)*(-25+3*cos(a*w+90))+ln(w,120,220)*(-25+3*cos(a*w+90))+ln(w,220,310)*(-7-18*cos(w-220)+3*cos(a*w+90))+ln(w,310,360)*(-7+35/50*(w-310)+3*cos(a*w+90)),ln(w,0,45)*(21)+ln(w,45,90)*21+ln(w,90,120)*(21-(w-90)*15/30)+ln(w,120,220)*6+ln(w,220,310)*(6+15*sin(w-220))+ln(w,310,360)*21)

W4

vec(11.25+3*sin(a*w+180),ln(w,0,45)*(28+3*cos(a*w+180))+ln(w,45,90)*(28-53/45*(w-45)+3*cos(a*w+180))+ln(w,90,120)*(-25+3*cos(a*w+180))+ln(w,120,220)*(-25+3*cos(a*w+180))+ln(w,220,310)*(-7-18*cos(w-220)+3*cos(a*w+180))+ln(w,310,360)*(-7+35/50*(w-310)+3*cos(a*w+180)),ln(w,0,45)*(21)+ln(w,45,90)*21+ln(w,90,120)*(21-(w-90)*15/30)+ln(w,120,220)*6+ln(w,220,310)*(6+15*sin(w-220))+ln(w,310,360)*21)

W5

vec(11.25+3*sin(a*w+270),ln(w,0,45)*(28+3*cos(a*w+270))+ln(w,45,90)*(28-53/45*(w-45)+3*cos(a*w+270))+ln(w,90,120)*(-25+3*cos(a*w+270))+ln(w,120,220)*(-25+3*cos(a*w+270))+ln(w,220,310)*(-7-18*cos(w-220)+3*cos(a*w+270))+ln(w,310,360)*(-7+35/50*(w-310)+3*cos(a*w+270)),ln(w,0,45)*(21)+ln(w,45,90)*21+ln(w,90,120)*(21-(w-90)*15/30)+ln(w,120,220)*6+ln(w,220,310)*(6+15*sin(w-220))+ln(w,310,360)*21)

W6

$$\text{vec}(10.25, \text{IsIn}(w, 0, 45) * 27 + \text{IsIn}(w, 45, 90) * (27 - 53/45 * (w - 45)) + \text{IsIn}(w, 90, 120) * (-26) + \text{IsIn}(w, 120, 220) * (-26) + \text{IsIn}(w, 220, 310) * (-8 - 18 * \cos(w - 220)) + \text{IsIn}(w, 310, 360) * (-8 + 35/50 * (w - 310)), \text{IsIn}(w, 0, 45) * 18 + \text{IsIn}(w, 45, 90) * 18 + \text{IsIn}(w, 90, 120) * (18 - (w - 90) * 15/30) + \text{IsIn}(w, 120, 220) * 3 + \text{IsIn}(w, 220, 310) * (3 + 15 * \sin(w - 220)) + \text{IsIn}(w, 310, 360) * 18)$$

W7

$$\text{vec}(12.25, \text{IsIn}(w, 0, 45) * 27 + \text{IsIn}(w, 45, 90) * (27 - 53/45 * (w - 45)) + \text{IsIn}(w, 90, 120) * (-26) + \text{IsIn}(w, 120, 220) * (-26) + \text{IsIn}(w, 220, 310) * (-8 - 18 * \cos(w - 220)) + \text{IsIn}(w, 310, 360) * (-8 + 35/50 * (w - 310)), \text{IsIn}(w, 0, 45) * 18 + \text{IsIn}(w, 45, 90) * 18 + \text{IsIn}(w, 90, 120) * (18 - (w - 90) * 15/30) + \text{IsIn}(w, 120, 220) * 3 + \text{IsIn}(w, 220, 310) * (3 + 15 * \sin(w - 220)) + \text{IsIn}(w, 310, 360) * 18)$$

W8

$$\text{vec}(12.25, \text{IsIn}(w, 0, 45) * 29 + \text{IsIn}(w, 45, 90) * (29 - 53/45 * (w - 45)) + \text{IsIn}(w, 90, 120) * (-24) + \text{IsIn}(w, 120, 220) * (-24) + \text{IsIn}(w, 220, 310) * (-6 - 18 * \cos(w - 220)) + \text{IsIn}(w, 310, 360) * (-6 + 35/50 * (w - 310)), \text{IsIn}(w, 0, 45) * 18 + \text{IsIn}(w, 45, 90) * 18 + \text{IsIn}(w, 90, 120) * (18 - (w - 90) * 15/30) + \text{IsIn}(w, 120, 220) * 3 + \text{IsIn}(w, 220, 310) * (3 + 15 * \sin(w - 220)) + \text{IsIn}(w, 310, 360) * 18)$$

W9

$$\text{vec}(10.25, \text{IsIn}(w, 0, 45) * 29 + \text{IsIn}(w, 45, 90) * (29 - 53/45 * (w - 45)) + \text{IsIn}(w, 90, 120) * (-24) + \text{IsIn}(w, 120, 220) * (-24) + \text{IsIn}(w, 220, 310) * (-6 - 18 * \cos(w - 220)) + \text{IsIn}(w, 310, 360) * (-6 + 35/50 * (w - 310)), \text{IsIn}(w, 0, 45) * 18 + \text{IsIn}(w, 45, 90) * 18 + \text{IsIn}(w, 90, 120) * (18 - (w - 90) * 15/30) + \text{IsIn}(w, 120, 220) * 3 + \text{IsIn}(w, 220, 310) * (3 + 15 * \sin(w - 220)) + \text{IsIn}(w, 310, 360) * 18)$$