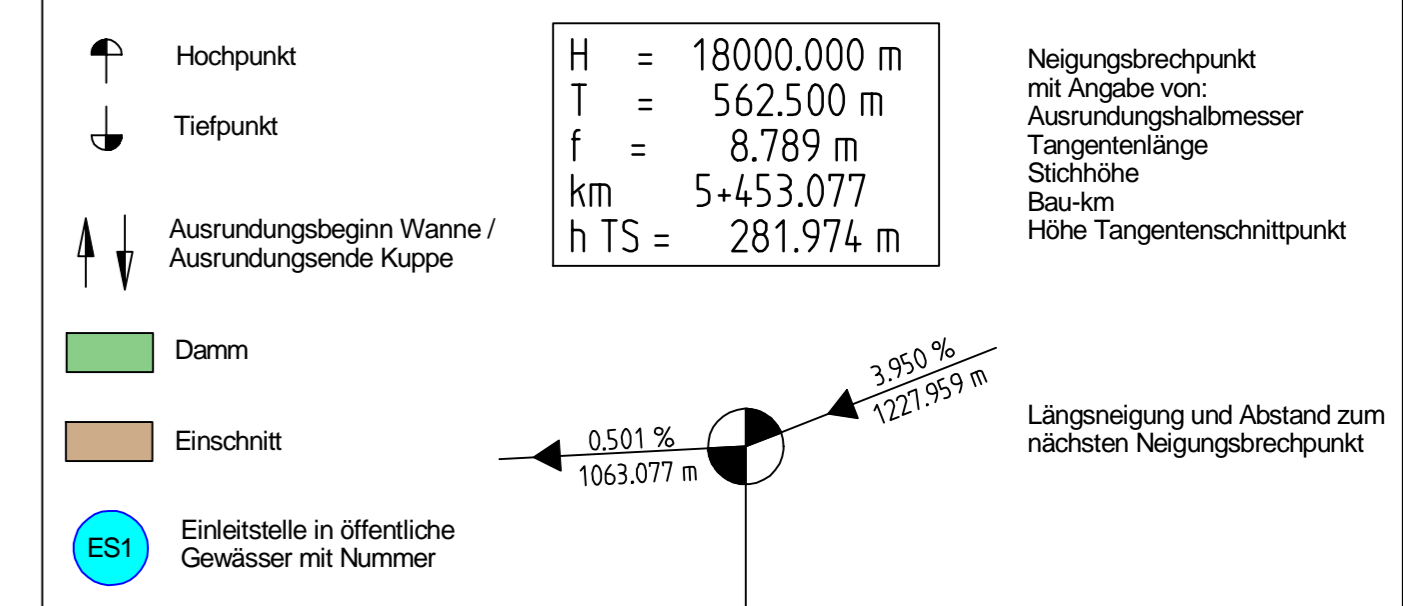
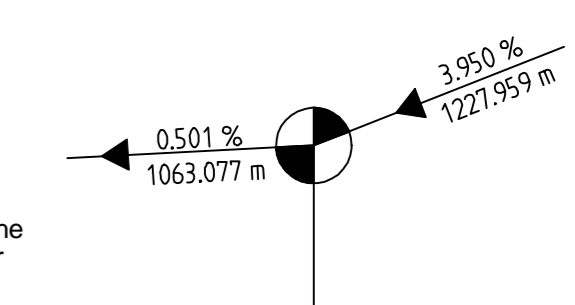


ZEICHENERKLÄRUNG



H = 18000.000 m
T = 562.500 m
f = 8.789 m
km = 5+453.077
h TS = 281.974 m

Neigungsbrechpunkt mit Angabe von Ausrundungshalbmesser, Tangentenlänge, Stützweite, Bau-km, Höhe Tangentenschnittpunkt

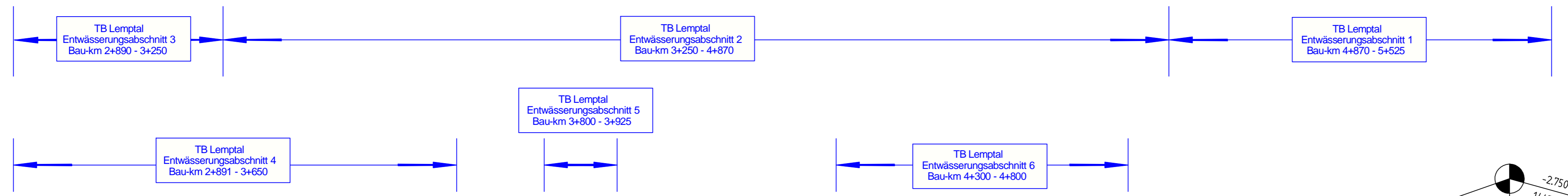


Bauwerk 01 Ü ASB 5316-775 (ASB alt 5316-543)
Brücke im Zuge eines Wirtschaftsweges über die A 45 bei Ehringhausen
Betr.-km 154,047
Bau-km 3+234,000
KW = 100.000 m² LW = 42,10 m
BzG = 6,00 m LH = 4,70 m
KH = 1,75 m

Bauwerk 02 Ü ASB 5316-774 (ASB alt 5316-544)
Talbrücke im Zuge der A 45 über die Lemp
Betr.-km 155,121
Bau-km 4+308,400
KW = 100.000 m² LW = 578,50 m
BzG = 36,50 m LH = 4,50 m
MCL 50/50-100 KH = 4,00 m

Bauwerk 03 Ü ASB 5316-776 (ASB alt 5316-545)
Brücke im Zuge eines Wirtschaftsweges über die A 45 bei Werdorf
Betr.-km 155,946
Bau-km 5+129,800
KW = 100.000 m² LW = 39,00 m
BzG = 6,00 m LH = 4,70 m
KH = 1,70 m

Bauwerk 05
Stützwall am Böschungsfuß der A 45
Betr.-km 155,948 - 156,336
Bau-km 5+133,050 - 5+520,586
L = 387,536 m
H = 2,50 m



RF Dortmund
H = 8000.000 m
T = 119.612 m
f = 0.089 m
km = 3+061.000
h TS = 228.338 m

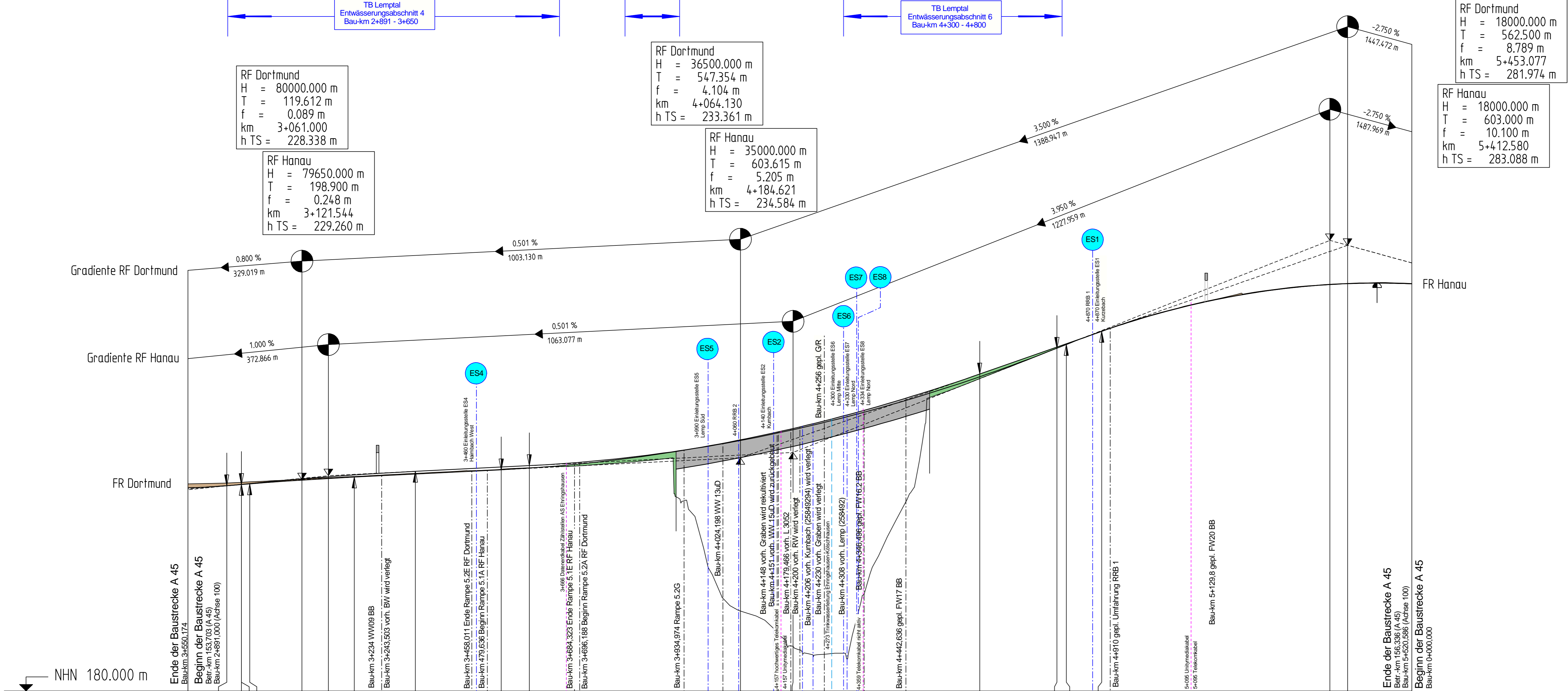
RF Hanau
H = 79650.000 m
T = 198.900 m
f = 0.248 m
km = 3+121.544
h TS = 229.260 m

RF Dortmund
H = 36500.000 m
T = 547.354 m
f = 4.104 m
km = 4+064.130
h TS = 233.361 m

RF Hanau
H = 35000.000 m
T = 603.615 m
f = 5.205 m
km = 4+184.621
h TS = 234.584 m

RF Dortmund
H = 18000.000 m
T = 562.500 m
f = 8.789 m
km = 5+453.077
h TS = 281.974 m

RF Hanau
H = 18000.000 m
T = 603.000 m
f = 10.100 m
km = 5+412.580
h TS = 283.088 m



Bauwerke	BW 01										BW 02										BW 03																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Höhe Gradiente Dortmund	228.94	228.94	227.81	227.81	228.28	228.28	228.97	228.97	229.04	229.04	229.51	229.51	229.65	229.65	230.53	230.53	231.17	231.17	231.51	231.51	231.65	231.65	232.29	232.29	232.43	232.43	233.17	233.17	234.47	234.47	234.85	234.85	235.17	235.17	235.29	235.29	235.72	235.72	236.88	236.88	237.87	237.87	238.47	238.47	238.77	238.77	239.17	239.17	239.29	239.29	239.67	239.67	240.17	240.17	240.29	240.29	240.67	240.67	241.17	241.17	241.29	241.29	241.67	241.67	242.17	242.17	242.29	242.29	242.67	242.67	243.17	243.17	243.29	243.29	243.67	243.67	244.17	244.17	244.29	244.29	244.67	244.67	245.17	245.17	245.29	245.29	245.67	245.67	246.17	246.17	246.29	246.29	246.67	246.67	247.17	247.17	247.29	247.29	247.67	247.67	248.17	248.17	248.29	248.29	248.67	248.67	249.17	249.17	249.29	249.29	249.67	249.67	250.17	250.17	250.29	250.29	250.67	250.67	251.17	251.17	251.29	251.29	251.67	251.67	252.17	252.17	252.29	252.29	252.67	252.67	253.17	253.17	253.29	253.29	253.67	253.67	254.17	254.17	254.29	254.29	254.67	254.67	255.17	255.17	255.29	255.29	255.67	255.67	256.17	256.17	256.29	256.29	256.67	256.67	257.17	257.17	257.29	257.29	257.67	257.67	258.17	258.17	258.29	258.29	258.67	258.67	259.17	259.17	259.29	259.29	259.67	259.67	260.17	260.17	260.29	260.29	260.67	260.67	261.17	261.17	261.29	261.29	261.67	261.67	262.17	262.17	262.29	262.29	262.67	262.67	263.17	263.17	263.29	263.29	263.67	263.67	264.17	264.17	264.29	264.29	264.67	264.67	265.17	265.17	265.29	265.29	265.67	265.67	266.17	266.17	266.29	266.29	266.67	266.67	267.17	267.17	267.29	267.29	267.67	267.67	268.17	268.17	268.29	268.29	268.67	268.67	269.17	269.17	269.29	269.29	269.67	269.67	270.17	270.17	270.29	270.29	270.67	270.67	271.17	271.17	271.29	271.29	271.67	271.67	272.17	272.17	272.29	272.29	272.67	272.67	273.17	273.17	273.29	273.29	273.67	273.67	274.17	274.17	274.29	274.29	274.67	274.67	275.17	275.17	275.29	275.29	275.67	275.67	276.17	276.17	276.29	276.29	276.67	276.67	277.17	277.17	277.29	277.29	277.67	277.67	278.17	278.17	278.29	278.29	278.67	278.67	279.17	279.17	279.29	279.29	279.67	279.67	280.17	280.17	280.29	280.29	280.67	280.67	281.17	281.17	281.29	281.29	281.67	281.67	282.17	282.17	282.29	282.29	282.67	282.67	283.17	283.17	283.29	283.29	283.67	283.67	284.17	284.17	284.29	284.29	284.67	284.67	285.17	285.17	285.29	285.29	285.67	285.67	286.17	286.17	286.29	286.29	286.67	286.67	287.17	287.17	287.29	287.29	287.67	287.67	288.17	288.17	288.29	288.29	288.67	288.67	289.17	289.17	289.29	289.29	289.67	289.67	290.17	290.17	290.29	290.29	290.67	290.67	291.17	291.17	291.29	291.29	291.67	291.67	292.17	292.17	292.29	292.29	292.67	292.67	293.17	293.17	293.29	293.29	293.67	293.67	294.17	294.17	294.29	294.29	294.67	294.67	295.17	295.17	295.29	295.29	295.67	295.67	296.17	296.17	296.29	296.29	296.67	296.67	297.17	297.17	297.29	297.29	297.67	297.67	298.17	298.17	298.29	298.29	298.67	298.67	299.17	299.17	299.29	299.29	299.67	299.67	300.17	300.17	300.29	300.29	300.67	300.67	301.17	301.17	301.29	301.29	301.67	301.67	302.17	302.17	302.29	302.29	302.67	302.67	303.17	303.17	303.29	303.29	303.67	303.67	304.17	304.17	304.29	304.29	304.67	304.67	305.17	305.17	305.29	305.29	305.67	305.67	306.17	306.17	306.29	306.29	306.67	306.67	307.17	307.17	307.29	307.29	307.67	307.67	308.17	308.17	308.29	308.29	308.67	308.67	309.17	309.17	309.29	309.29	309.67	309.67	310.17	310.17	310.29	310.29	310.67	310.67	311.17	311.17	311.29	311.29	311.67	311.67	312.17	312.17	312.29	312.29	312.67	312.67	313.17	313.17	313.29	313.29	313.67	313.67	314.17	314.17	314.29	314.29	314.67	314.67	315.17	315.17	315.29	315.29	315.67	315.67	316.17	316.17	316.29	316.29	316.67	316.67	317.17	317.17	317.29	317.29	317.67	317.67	318.17	318.17	318.29	318.29	318.67	318.67	319.17	319.17	319.29	319.29	319.67	319.67	320.17	320.17	320.29	320.29	320.67	320.67	321.17	321.17	321.29	321.29	321.67	321.67	322.17	322.17	322.29	322.29	322.67	322.67	323.17	323.17	323.29	323.29	323.67	323.67	324.17	324.17	324.29	324.29	324.67	324.67	325.17	325.17	325.29	325.29	325.67	325.67	326.17	326.17	326.29	326.29	326.67	326.67	327.17	327.17	327.29	327.29	327.67	327.67	328.17	328.17	328.29	328.29	328.67	328.67	329.17	329.17	329.29	329.29	329.67	329.67	330.17	330.17	330.29	330.29	330.67	330.67	331.17	331.17	331.29	331.29	331.67	331.67	332.17	332.17	332.29	332.29	332.67	332.67	333.17	333.17	333.29	333.29	333.67	333.67	334.17	334.17	334.29	334.29	334.67	334.67	335.17	335.17	335.29	335.29	335.67	335.67	336.17	336.17	336.29	336.29	336.67	336.67	337.17	337.17	337.29	337.29	337.67	337.67	338.17	338.17	338.29	338.29	338.67	338.67	339.17	339.17	339.29	339.29	339.67	339.67	340.17	340.17	340.29	340.29	340.67	340.67	341.17	341.17	341.29	341.29	341.67	341.67	342.17	342.17	342.29	342.29	342.67	342.67	343.17	343.17	343.29	343.29	343.67	343.67	344.17	344.17	344.29	344.29	344.67	344.67	345.17	345.17	345.29	345.29	345.67	345.67	346.17	346.17	346.29	346.29	346.67	346.67	347.17	347.17	347.29	347.29	347.67	347.67	348.17	348.17	348.29	348.29	348.67	348.67	349.17	349.17	349.29	349.29	349.67	349.67	350.17	350.17	350.29	350.29	350.67	350.67	351.17	351.17	351.29	351.29	351.67	351.67	352.17	352.17	352.29	352.29	352.67	352.67	353.17	353.17	353.29	353.29	353.67	353.67	354.17	354.17	354.29	354.29	354.67	354.67	355.17	355.17	355.29	355.29	355.67	355.67	356.17	356.17	356.29	356.29	356.67	356.67	357.17	357.17	357.29	357.29	357.67	357.67	358.17	358.17	358.29	358.29	358.67	358.67	359.17	359.17	359.29	359.29	359.67	359.67	360.17	360.17	360.29	360.29	360.67	360.67	361.17	361.17	361.29	361.29	361.67	361.67	362.17	362.17	362.29	362.29	362.67	362.67	363.17	363.17	363.29	363.29	363.67	363.67	364.17	364.17	364.29	364.29	364.67	364.67	365.17	365.17	365.29	365.29	365.67	365.67	366.17	366.17	366.29	366.29	366.67	366.67	367.17	367.17	367.29	367.29	367.67	367.67	368.17	368.17	368.29	368.29	368.67	368.67	369.17	369.17	369.29	369.29	369.67	369.67	370.17	370.17	370.29	370.29	370.67	370.67	371.17	371.17	371.29	371.29	371.67	371.67	372.17	372.17	372.29	372.29	372.67	372.67	373.17	373.17	373.29	373.29	373.67	373.67	374.17	374.17	374.29	374.29	374.67	374.67	375.17	375.17	375.29	375.29	375.67	375.67	376.17	376.17	376.29	376.29	376.67	376.67	377.17	377.17	377.29	377.29	377.67	377.67	378.17	378.17	378.29	378.29	378.67	378.67	379.17	379.17	379.29	379.29	379.67	379.67	380.17	380.17	380.29	380.29	380.67	380.67	381.17	381.17	381.29	381.29	381.67	381.67	382.17	382.17	382.29	382.29	382.67	382.67	383.17	383.17	383.29	383.29	383.67	383.67	384.17	384.17	384.29	384.29	384.67	384.67	385.17	385.17	385.29	385.29	385.67	385.67	386.17	386.17	386.29	386.29	386.67	386.67	387.17	387.17	387.29	387.29	387.67	387.67	388.17	388.1