



**VESIJOHTO, LAEN KORKEUS, MITAT**  
AINE, PAINELUOKKA  
PAALU

**HULEVESIVEMÄRI, SISÄPOHJAN KORKEUS**  
MITAT, AINE, LIITOSTAPA, LUJUUSLUOKKA  
PAALU, KAIVOVÄLI, KALTEVUUS

**JÄTEVESIVIVEMÄRI, SISÄPOHJAN KORKEUS**  
MITAT, AINE, LIITOSTAPA, LUJUUSLUOKKA  
PAALU, KAIVOVÄLI, KALTEVUUS

**PUTKIEN PERUSTAMISTAPA**  
KAIVANTO  
PÄÄLLYSRAKENNE

**MATKA**  
KALTEVUUS / PYÖRISTYSSÄDE

3.85	69.64	73.99	54.99	121.98	276.98	404.96	32.99	437.95	48.70	74.96	95.161	12.76
	0.0050		S = 5000		0.0160		S = 3000		0.0050	S = 3000	0.0300	0.037

**TASAUUSVIIVAN KORKEUS**

76.98	76.73	77.06	77.11	77.16	77.21	77.26	77.31	77.36	77.41	77.49	77.58	77.69	77.83	77.98	78.14	78.30	78.46	78.62	78.78	78.94	79.10	79.26	79.42	79.53	79.68	79.74	79.83	79.90	80.06	80.22	80.38	80.54	80.70	80.86	81.02	81.18	81.34	81.50	81.66	81.82	81.98	82.14	82.30	82.46	82.62	82.78	82.94	83.10	83.26	83.42	83.58	83.74	83.90	84.06	84.22	84.38	84.54	84.70	84.86	85.02	85.18	85.34	85.50	85.66	85.82	85.98	86.14	86.30	86.46	86.62	86.78	86.94	87.10	87.26	87.42	87.58	87.74	87.90	88.06	88.22	88.38	88.54	88.70	88.86	89.02	89.18	89.34	89.50	89.66	89.82	89.98	90.14	90.30	90.46	90.62	90.78	90.94	91.10	91.26	91.42	91.58	91.74	91.90	92.06	92.22	92.38	92.54	92.70	92.86	93.02	93.18	93.34	93.50	93.66	93.82	93.98	94.14	94.30	94.46	94.62	94.78	94.94	95.10	95.26	95.42	95.58	95.74	95.90	96.06	96.22	96.38	96.54	96.70	96.86	97.02	97.18	97.34	97.50	97.66	97.82	97.98	98.14	98.30	98.46	98.62	98.78	98.94	99.10	99.26	99.42	99.58	99.74	99.90	100.06	100.22	100.38	100.54	100.70	100.86	101.02	101.18	101.34	101.50	101.66	101.82	101.98	102.14	102.30	102.46	102.62	102.78	102.94	103.10	103.26	103.42	103.58	103.74	103.90	104.06	104.22	104.38	104.54	104.70	104.86	105.02	105.18	105.34	105.50	105.66	105.82	105.98	106.14	106.30	106.46	106.62	106.78	106.94	107.10	107.26	107.42	107.58	107.74	107.90	108.06	108.22	108.38	108.54	108.70	108.86	109.02	109.18	109.34	109.50	109.66	109.82	109.98	110.14	110.30	110.46	110.62	110.78	110.94	111.10	111.26	111.42	111.58	111.74	111.90	112.06	112.22	112.38	112.54	112.70	112.86	113.02	113.18	113.34	113.50	113.66	113.82	113.98	114.14	114.30	114.46	114.62	114.78	114.94	115.10	115.26	115.42	115.58	115.74	115.90	116.06	116.22	116.38	116.54	116.70	116.86	117.02	117.18	117.34	117.50	117.66	117.82	117.98	118.14	118.30	118.46	118.62	118.78	118.94	119.10	119.26	119.42	119.58	119.74	119.90	120.06	120.22	120.38	120.54	120.70	120.86	121.02	121.18	121.34	121.50	121.66	121.82	121.98	122.14	122.30	122.46	122.62	122.78	122.94	123.10	123.26	123.42	123.58	123.74	123.90	124.06	124.22	124.38	124.54	124.70	124.86	125.02	125.18	125.34	125.50	125.66	125.82	125.98	126.14	126.30	126.46	126.62	126.78	126.94	127.10	127.26	127.42	127.58	127.74	127.90	128.06	128.22	128.38	128.54	128.70	128.86	129.02	129.18	129.34	129.50	129.66	129.82	129.98	130.14	130.30	130.46	130.62	130.78	130.94	131.10	131.26	131.42	131.58	131.74	131.90	132.06	132.22	132.38	132.54	132.70	132.86	133.02	133.18	133.34	133.50	133.66	133.82	133.98	134.14	134.30	134.46	134.62	134.78	134.94	135.10	135.26	135.42	135.58	135.74	135.90	136.06	136.22	136.38	136.54	136.70	136.86	137.02	137.18	137.34	137.50	137.66	137.82	137.98	138.14	138.30	138.46	138.62	138.78	138.94	139.10	139.26	139.42	139.58	139.74	139.90	140.06	140.22	140.38	140.54	140.70	140.86	141.02	141.18	141.34	141.50	141.66	141.82	141.98	142.14	142.30	142.46	142.62	142.78	142.94	143.10	143.26	143.42	143.58	143.74	143.90	144.06	144.22	144.38	144.54	144.70	144.86	145.02	145.18	145.34	145.50	145.66	145.82	145.98	146.14	146.30	146.46	146.62	146.78	146.94	147.10	147.26	147.42	147.58	147.74	147.90	148.06	148.22	148.38	148.54	148.70	148.86	149.02	149.18	149.34	149.50	149.66	149.82	149.98	150.14	150.30	150.46	150.62	150.78	150.94	151.10	151.26	151.42	151.58	151.74	151.90	152.06	152.22	152.38	152.54	152.70	152.86	153.02	153.18	153.34	153.50	153.66	153.82	153.98	154.14	154.30	154.46	154.62	154.78	154.94	155.10	155.26	155.42	155.58	155.74	155.90	156.06	156.22	156.38	156.54	156.70	156.86	157.02	157.18	157.34	157.50	157.66	157.82	157.98	158.14	158.30	158.46	158.62	158.78	158.94	159.10	159.26	159.42	159.58	159.74	159.90	160.06	160.22	160.38	160.54	160.70	160.86	161.02	161.18	161.34	161.50	161.66	161.82	161.98	162.14	162.30	162.46	162.62	162.78	162.94	163.10	163.26	163.42	163.58	163.74	163.90	164.06	164.22	164.38	164.54	164.70	164.86	165.02	165.18	165.34	165.50	165.66	165.82	165.98	166.14	166.30	166.46	166.62	166.78	166.94	167.10	167.26	167.42	167.58	167.74	167.90	168.06	168.22	168.38	168.54	168.70	168.86	169.02	169.18	169.34	169.50	169.66	169.82	169.98	170.14	170.30	170.46	170.62	170.78	170.94	171.10	171.26	171.42	171.58	171.74	171.90	172.06	172.22	172.38	172.54	172.70	172.86	173.02	173.18	173.34	173.50	173.66	173.82	173.98	174.14	174.30	174.46	174.62	174.78	174.94	175.10	175.26	175.42	175.58	175.74	175.90	176.06	176.22	176.38	176.54	176.70	176.86	177.02	177.18	177.34	177.50	177.66	177.82	177.98	178.14	178.30	178.46	178.62	178.78	178.94	179.10	179.26	179.42	179.58	179.74	179.90	180.06	180.22	180.38	180.54	180.70	180.86	181.02	181.18	181.34	181.50	181.66	181.82	181.98	182.14	182.30	182.46	182.62	182.78	182.94	183.10	183.26	183.42	183.58	183.74	183.90	184.06	184.22	184.38	184.54	184.70	184.86	185.02	185.18	185.34	185.50	185.66	185.82	185.98	186.14	186.30	186.46	186.62	186.78	186.94	187.10	187.26	187.42	187.58	187.74	187.90	188.06	188.22	188.38	188.54	188.70	188.86	189.02	189.18	189.34	189.50	189.66	189.82	189.98	190.14	190.30	190.46	190.62	190.78	190.94	191.10	191.26	191.42	191.58	191.74	191.90	192.06	192.22	192.38	192.54	192.70	192.86	193.02	193.18	193.34	193.50	193.66	193.82	193.98	194.14	194.30	194.46	194.62	194.78	194.94	195.10	195.26	195.42	195.58	195.74	195.90	196.06	196.22	196.38	196.54	196.70	196.86	197.02	197.18	197.34	197.50	197.66	197.82	197.98	198.14	198.30	198.46	198.62	198.78	198.94	199.10	199.26	199.42	199.58	199.74	199.90	200.06	200.22	200.38	200.54	200.70	200.86	201.02	201.18	201.34	201.50	201.66	201.82	201.98	202.14	202.30	202.46	202.62	202.78	202.94	203.10	203.26	203.42	203.58	203.74	203.90	204.06	204.22	204.38	204.54	204.70	204.86	205.02	205.18	205.34	205.50	205.66	205.82	205.98	206.14	206.30	206.46	206.62	206.78	206.94	207.10	207.26	207.42	207.58	207.74	207.90	208.06	208.22	208.38	208.54	208.70	208.86	209.02	209.18	209.34	209.50	209.66	209.82	209.98	210.14	210.30	210.46	210.62	210.78	210.94	211.10	211.26	211.42	211.58	211.74	211.90	212.06	212.22	212.38	212.54	212.70	212.86	213.02	213.18	213.34	213.50	213.66	213.82	213.98	214.14	214.30	214.46	214.62	214.78	214.94	215.10	215.26	215.42	215.58	215.74	215.90	216.06	216.22	216.38	216.54	216.70	216.86	217.02	217.18	217.34	217.50	217.66	217.82	217.98	218.14	218.30	218.46	218.62	218.78	218.94	219.10	219.26	219.42	219.58	219.74	219.90	220.06	220.22	220.38	220.54	220.70	220.86	221.02	221.18	221.34	221.50	221.66	221.82	221.98	222.14	222.30	222.46	222.62	222.78	222.94	223.10	223.26	223.42	223.58	223.74	223.90	224.06	224.22	224.38	224.54	224.70	224.86	225.02	225.18	225.34	225.50	225.66	225.82	225.98	226.14	226.30	226.46	226.62	226.78	226.94	227.10	227.26	227.42	227.58	227.74	227.90	228.06	228.22	228.38	228.54	228.70	228.86	229.02	229.18	229.34	229.50	229.66	229.82	229.98	230.14	230.30	230.46	230.62	230.78	230.94	231.10	231.26	231.42	231.58	231.74	231.90	232.06	232.22	232.38	232.54	232.70	232.86
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