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## LAMPIRAN

### Lampiran 1 *Source Code* Sistem

<https://github.com/emirat8/LSB-Video-Steganography>

## Lampiran 2 Sampel Pesan Rahasia

### 50 kata:

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**Lampiran 3 Keseluruhan Perbandingan Nilai PSNR Hasil Steganografi  
dengan Metode 1-LSB, 2-LSB, dan 3-LSB**

Frame	Peak Signal to Noise Ratio (dB)								
	Video1			Video2			Video3		
	1-LSB	2-LSB	3-LSB	1-LSB	2-LSB	3-LSB	1-LSB	2-LSB	3-LSB
1	90.604	84.89	81.018	95.227	90.396	85.209	98.93	93.974	90.644
2	89.114	84.89	80.868	95.412	90.456	85.585	97.923	93.305	89.284
3	89.257	83.734	80.806	94.405	90.108	85.869	97.776	92.725	89.783
4	91.018	84.683	80.031	93.466	89.786	86.219	98.234	93.103	88.348
5	90.604	85.455	86.175	97.268	92.127	88.615	99.537	94.159	88.674
6	89.404	85.703	81.827	95.605	90.164	85.412	99.123	94.287	88.17
7	86.952	82.125	77.623	92.039	87.726	83.831	95.305	90.787	84.359
8	87.216	84.297	79.359	92.127	87.537	82.954	95.558	91.276	85.004
9	88.587	84.534	79.087	95.227	90.164	85.12	98.568	94.352	87.442
10	89.878	85.899	81.356	94.557	90.164	86.988	94.989	91.792	85.566
11	88.23	84.251	78.688	93.844	88.06	83.371	97.496	92.504	85.455
12	89.714	85.515	81.172	93.231	89.206	83.844	97.776	93.253	87.119
13	90.604	86.952	80.526	94.258	89.298	85.374	97.233	92.094	87.606
14	88.23	84.028	78.625	96.988	92.694	87.726	97.107	93.571	87.349
15	88.346	82.536	81.356	93.714	90.396	84.542	96.75	92.863	86.305
16	90.604	86.546	81.018	93.844	88.776	84.652	95.472	90.701	85.566
17	90.226	84.297	81.987	93.118	90.221	83.324	100.243	96.315	90.217
18	87.4	83.059	79.073	97.268	91.247	87.89	97.107	93.683	87.496
19	88.713	84.785	80.847	94.258	92.308	84.829	98.076	94.418	88.282
20	91.475	87.594	82.414	92.127	87.856	83.779	98.076	93.103	87.482
21	89.114	84.116	79.33	96.988	92.127	87.326	95.224	92.213	86.516
22	90.226	87.038	81.827	95.412	91.547	85.954	96.865	94.287	87.606
23	89.556	85.455	80.847	95.807	91.786	86.241	98.234	95.472	89.143
24	91.241	86.394	82.014	92.694	88.201	84.481	96.865	93.571	87.592
25	88.977	85.966	81.906	92.497	88.384	84.964	98.745	95.305	92.336
26	88.977	83.985	79.666	95.807	92.497	85.869	98.076	93.571	91.684



27	88.465	84.072	79.912	93.231	89.029	83.588	100.506	94.766	93.202
28	89.714	86.624	81.356	93.588	90.278	82.345	96.984	92.547	89.388
29	91.241	87.4	82.598	92.308	88.347	84.748	97.107	92.173	87.747
30	88.23	85.395	82.125	96.241	92.901	86.357	99.325	93.202	89.494
31	88.843	83.129	79.862	93.008	87.694	82.88	101.086	94.839	92.547
32	89.556	83.734	80.526	96.476	89.584	88.817	97.776	91.613	86.516
33	90.806	86.104	79.073	95.807	91.105	85.625	97.776	93.855	88.448
34	88.465	84.534	79.359	94.258	90.456	86.062	100.243	95.305	91.18
35	89.257	84.343	79.171	95.605	90.221	85.191	97.496	93.409	87.429
36	92.889	88.23	82.041	95.412	90.704	86.699	96.527	92.863	88.186
37	88.465	84.734	78.977	94.557	92.217	86.264	95.735	91.276	87.762
38	90.049	85.64	84.39	93.008	89.029	84.158	97.776	94.418	88.93
39	90.806	85.336	80.806	91.786	86.674	83.152	100.787	95.066	92.591
40	91.241	87.693	84.734	94.258	89.029	84.589	96.984	93.305	88.331
41	89.257	83.985	79.651	96.725	92.797	86.476	97.776	92.68	87.704
42	88.587	83.858	81.106	95.05	91.105	86.525	96.315	92.547	87.362
43	91.987	87.496	82.79	98.237	91.705	87.957	101.408	96.637	92.419
44	87.796	85.515	77.9	94.115	90.516	86.674	97.776	94.035	87.362
45	89.257	84.251	81.801	94.715	91.32	85.684	96.637	92.017	86.626
46	88.465	84.583	79.199	93.978	89.584	84.316	98.076	93.202	87.592
47	88.117	83.985	78.637	93.118	88.498	83.74	100.787	93.855	93.463
48	91.018	86.247	82.325	92.217	88.025	82.976	99.325	95.144	90.479
49	89.878	87.126	83.734	96.019	90.578	85.084	97.233	91.94	89.045
50	91.018	87.693	82.661	96.241	93.008	86.802	96.865	92.816	88.17
51	88.587	85.767	79.242	92.594	88.817	83.107	97.107	92.377	88.585
52	88.465	84.683	79.242	93.008	87.923	84.39	98.234	94.418	88.431
53	90.049	84.683	81.88	95.05	90.704	87.015	97.923	94.159	87.22
54	87.693	84.343	79.345	94.879	93.008	87.182	99.325	94.222	88.331
55	90.411	84.785	80.975	91.395	88.13	82.507	97.634	91.375	87.082
56	91.987	86.469	83.942	93.118	89.998	82.807	98.234	91.684	86.83
57	88.346	83.575	81.061	95.05	92.039	89.838	96.42	92.816	89.472
58	87.594	84.683	78.417	93.118	87.79	84.42	99.325	94.222	91.408

59	89.878	86.104	80.704	94.879	91.32	86.907	98.745	95.066	89.737
60	89.257	85.515	80.953	94.557	90.9	84.287	98.93	94.159	90.452
61	88.117	83.346	80.014	95.412	90.164	84.964	96.42	92.173	87.849
62	89.257	84.89	79.374	94.879	90.578	87.694	98.745	95.305	91.309
63	90.604	85.833	80.785	92.308	88.986	83.805	99.537	94.352	90.068
64	87.216	83.164	80.262	94.258	88.695	85.469	95.066	90.269	85.771
65	89.114	85.107	81.15	93.714	89.117	84.947	96.527	92.863	87.923
66	90.226	86.785	81.96	96.988	90.704	87.957	96.527	91.756	87.82
67	91.724	87.594	82.505	94.115	88.901	84.144	97.776	92.77	88.03
68	90.226	85.107	81.128	95.227	90.9	88.06	98.568	95.066	89.515
69	89.714	85.052	79.404	93.466	90.164	85.546	97.362	93.571	88.782
70	91.241	86.868	82.79	95.05	90.108	86.452	97.496	93.357	86.996
71	89.257	85.163	79.449	95.227	91.705	87.758	97.634	93.463	88.968
72	88.23	83.421	79.603	97.568	94.115	87.476	100.243	98.745	91.792
73	88.713	83.734	79.271	93.588	89.029	86.649	97.362	93.855	88.893
74	91.018	86.104	81.801	94.715	90.834	87.385	99.537	95.066	91.276
75	91.018	85.64	82.153	94.115	89.735	86.241	97.362	93.855	87.51
76	87.9	84.633	78.477	96.988	92.901	86.75	98.93	92.094	86.83
77	89.556	86.104	81.286	94.879	90.221	85.191	97.923	93.855	86.153
78	90.049	85.703	81.548	97.268	92.497	91.247	95.558	90.588	86.505
79	88.977	83.734	79.449	93.714	88.901	84.287	97.496	91.408	87.415
80	88.465	84.583	80.373	93.978	89.487	85.05	98.076	94.486	89.829
81	90.604	88.007	85.515	92.901	87.694	84.186	98.745	93.974	89.737
82	91.475	87.594	82.153	93.118	88.237	83.818	98.234	94.766	88.381
83	88.587	84.943	78.185	95.05	89.786	85.975	97.923	92.77	87.849
84	90.049	84.683	80.704	93.466	88.695	85.191	97.496	93.855	88.315
85	88.346	83.575	79.845	93.978	89.891	85.625	99.995	95.558	89.346
86	89.878	87.496	79.434	92.901	88.655	84.331	98.745	93.054	89.537
87	89.556	84.837	81.083	92.901	89.029	82.745	96.865	92.377	89.515
88	89.257	83.346	79.257	92.217	89.298	83.818	96.865	92.017	87.676
89	88.843	84.072	79.541	96.988	92.694	87.07	99.123	93.683	89.163
90	89.114	87.126	79.698	97.89	91.786	86.881	100.243	95.387	90.167

91	89.714	88.843	81.88	92.401	87.098	82.694	96.527	92.547	87.258
92	88.007	84.028	79.845	93.118	88.576	83.626	97.634	93.054	88.381
93	90.049	84.438	79.997	93.118	88.274	83.141	98.234	92.254	87.564
94	89.878	85.277	80.526	94.879	88.986	83.857	99.325	95.144	90.588
95	89.556	83.734	79.929	93.844	88.384	82.235	98.076	93.357	88.551
96	89.257	84.785	81.31	93.844	90.641	85.664	98.93	94.486	89.947
97	88.843	84.343	79.087	93.347	89.891	84.981	96.984	92.77	88.076
98	89.404	84.39	81.218	92.401	87.154	83.052	97.923	95.826	90.217
99	88.007	84.943	78.501	92.797	86.287	82.859	96.213	92.377	88.603
100	88.007	84.028	81.404	92.797	88.06	82.317	97.923	92.725	90.506
101	87.796	83.383	79.845	92.901	87.662	84.172	96.527	93.253	91.212
102	90.049	85.277	81.548	93.231	90.578	84.964	96.75	91.756	89.603
103	93.236	88.117	81.241	96.241	93.231	86.828	96.113	92.173	91.309
104	88.977	84.683	78.856	93.714	89.252	83.613	98.745	93.914	94.035
105	87.693	84.39	80.084	93.978	90.164	84.764	99.76	96.637	94.352
106	89.878	85.336	79.556	93.588	89.344	85.05	96.75	94.694	88.218
107	92.889	87.693	85.577	93.588	89.838	85.807	98.745	93.797	88.8
108	89.878	87.496	81.404	93.714	89.684	85.565	97.496	93.103	88.266
109	89.878	86.104	79.143	93.714	89.998	83.844	96.527	94.222	88.691
110	89.404	84.486	79.763	93.118	88.46	84.636	97.233	92.134	86.592
111	88.843	84.438	81.404	92.594	86.828	81.803	97.923	94.486	86.784
112	90.226	85.107	82.125	96.476	91.625	87.79	96.213	92.591	86.133
113	86.32	82.757	78.417	93.844	90.053	83.87	97.776	93.974	87.482
114	91.475	88.465	82.153	96.241	92.039	87.89	98.234	93.202	86.796
115	88.843	84.116	79.997	92.308	88.06	82.954	99.76	96.637	89.515
116	87.4	83.734	79.747	94.258	88.735	84.913	96.637	92.504	86.103
117	88.465	84.16	80.487	93.844	88.165	85.848	97.496	93.202	90.399
118	88.843	84.16	80.704	92.497	88.422	84.45	98.93	94.418	91.055
119	88.23	84.438	80.526	95.807	89.944	86.151	98.234	92.91	90.588
120	90.411	87.594	80.066	94.557	90.967	84.715	97.634	92.91	89.346
121	91.987	86.546	82.385	93.588	88.943	83.539	99.325	94.839	88.465
122	88.465	84.943	80.336	94.405	91.247	86.525	99.76	94.839	88.745

123	88.117	83.236	79.257	96.725	93.844	87.662	97.923	95.066	92.547
124	89.257	85.64	79.829	94.879	91.547	86.404	95.92	92.294	86.233
125	88.977	83.9	80.244	92.901	88.943	83.857	97.362	93.683	89.183
126	88.346	84.89	78.752	92.127	87.726	83.454	98.076	93.103	89.995
127	89.556	84.072	82.125	92.308	87.662	83.152	97.634	94.287	89.006
128	91.241	84.486	80.785	92.497	88.025	83.663	100.506	97.776	92.461
129	88.843	82.725	78.477	94.115	88.776	83.663	96.865	93.054	88.516
130	88.587	84.89	79.878	94.405	90.396	84.511	97.634	92.547	89.203
131	89.257	83.236	78.453	96.725	93.714	88.165	100.506	97.362	90.142
132	88.007	84.89	78.65	93.588	89.439	84.764	97.107	92.863	88.709
133	89.114	84.16	81.018	93.588	88.901	83.897	98.234	95.066	90.644
134	91.475	89.257	80.014	95.807	91.869	86.828	98.93	94.418	91.408
135	88.587	84.16	79.895	94.879	91.953	86.624	100.506	97.496	95.305
136	90.226	84.734	78.489	93.844	89.252	84.42	97.776	94.352	89.346
137	89.114	84.116	79.845	93.714	88.776	83.074	96.527	91.544	86.538
138	89.114	84.534	80.154	94.879	92.217	87.042	98.076	94.624	89.76
139	91.475	85.64	84.486	96.019	91.176	87.599	95.92	92.547	87.442
140	90.411	86.469	79.449	93.008	90.053	84.287	96.637	89.995	87.909
141	87.038	82.629	78.526	93.118	89.161	84.604	99.537	95.92	91.18
142	87.496	83.942	77.243	94.115	89.735	84.557	101.408	94.913	90.043
143	89.404	86.785	78.526	93.347	87.79	84.375	97.107	92.816	87.762
144	91.241	87.038	81.195	94.115	89.584	84.896	96.42	92.816	86.854
145	88.713	84.438	78.713	97.268	92.497	86.549	99.537	97.496	90.934
146	87.796	83.129	79.714	94.115	90.396	84.981	98.93	94.035	91.025
147	91.475	86.394	83.9	94.258	89.344	85.173	99.123	95.224	93.357
148	89.878	86.469	80.565	96.019	89.891	87.63	97.496	93.463	87.523
149	87.693	82.725	79.963	93.588	89.298	83.347	96.015	91.792	87.469
150	88.843	83.024	80.154	93.588	88.986	84.316	98.076	92.91	87.182
151	90.049	86.469	80.449	92.594	89.298	85.488			
152	87.126	83.654	78.334	94.557	90.516	87.015			
153	88.587	83.024	79.228	92.497	89.029	83.727			
154	94.028	87.594	80.744	94.258	89.535	85.869			

155	87.594	84.343	78.791	96.241	91.395	86.988			
156	88.977	85.899	82.598	96.241	91.036	87.385			
157	88.23	83.273	79.946	92.217	87.758	82.998			
158	91.241	86.868	80.765	96.241	90.456	84.813			
159	88.587	83.459	79.635	92.594	88.201	83.063			
160	88.587	85.515	80.663	95.227	91.625	88.31			
161	89.114	84.486	79.619	95.05	90.053	86.334			
162	90.049	85.22	78.65	94.557	89.206	86.75			
163	90.226	84.072	81.853	95.412	94.258	89.344			
164	87.126	83.383	80.031	94.879	89.298	86.599			
165	88.346	85.703	80.154	93.466	89.838	84.39			
166	87.216	83.654	77.9	94.258	90.164	86.196			
167	88.713	83.9	79.997	95.807	93.347	87.823			
168	87.693	82.956	78.04	95.05	91.547	85.745			
169	89.404	83.858	80.953	95.605	94.115	88.165			
170	90.411	86.247	80.244	94.715	89.735	83.831			
171	86.952	82.296	78.117	92.039	88.347	82.154			
172	89.556	85.22	80.066	93.588	88.537	84.172			
173	87.496	82.693	78.429	95.227	89.117	85.89			
174	91.018	86.394	81.404	93.118	88.13	83.924			
175	87.496	84.205	79.271	93.231	90.834	85.318			
176	89.556	84.683	80.031	95.807	91.036	85.725			
177	89.556	85.163	80.565	96.241	92.127	87.506			
178	90.604	88.23	82.355	96.725	90.278	85.067			
179	88.713	84.028	77.535	93.588	89.161	85.705			
180	88.977	85.577	79.434	93.231	87.758	84.964			
181	92.567	88.346	82.725	93.588	89.439	84.316			
182	88.007	84.785	78.688	93.978	90.337	85.527			
183	89.257	85.336	78.323	95.807	91.247	87.79			
184	90.049	86.952	82.536	94.258	89.344	83.063			
185	87.9	83.816	79.286	93.588	91.786	83.651			
186	88.465	85.277	80.449	95.05	93.347	84.604			

187	87.9	84.297	78.688	93.008	88.817	83.371			
188	89.878	85.833	80.996	94.715	89.634	86.241			
189	92.267	89.878	84.072	96.476	90.834	84.62			
190	88.713	86.32	79.301	92.127	88.237	84.896			
191	89.114	88.117	80.487	94.115	89.998	84.667			
192	89.114	84.16	80.101	94.115	89.206	85.565			
193	89.257	83.734	79.419	94.258	92.401	86.404			
194	89.878	85.107	81.404	94.115	90.834	84.481			
195	89.878	83.775	79.812	94.879	90.516	86.241			
196	89.878	84.734	81.853	95.227	91.47	87.568			
197	90.226	86.247	81.524	94.715	91.247	83.818			
198	92.889	87.693	84.072	94.258	89.535	84.243			
199	90.226	86.469	78.909	94.405	90.768	85.911			
200	86.952	83.129	76.868	96.019	92.797	85.89			
201	87.496	84.683	77.603	99.487	93.118	88.735			
202	90.411	86.247	81.598	94.258	88.859	84.346			
203	89.404	86.104	82.693	94.879	90.164	84.998			
204	89.257	84.89	78.334	93.466	89.206	83.779			
205	88.23	84.072	78.587	92.901	88.095	83.884			
206	90.049	86.546	82.536	93.118	88.859	83.231			
207	88.346	84.486	78.909	93.118	88.537	84.604			
208	87.796	83.497	78.563	96.476	92.497	89.684			
209	88.007	84.683	79.345	94.557	90.578	86.802			
210	90.049	85.515	81.724	92.594	88.165	83.359			
211	89.714	85.703	80.392	92.694	88.422	82.987			
212	87.9	84.028	78.612	93.844	90.516	85.191			
213	88.977	85.833	80.487	94.879	89.998	85.527			
214	88.843	87.038	78.804	94.258	88.13	83.466			
215	88.587	84.785	79.651	95.605	90.704	87.268			
216	90.226	86.394	82.475	92.901	88.237	87.758			
217	89.714	84.633	80.932	96.988	91.869	86.287			
218	88.977	83.985	78.465	93.978	90.456	85.355			

219	88.465	84.534	80.172	95.807	92.497	84.527			
220	88.977	82.922	79.666	94.557	90.456	86.854			
221	88.587	84.39	80.411	96.019	89.634	85.546			
222	88.007	85.455	78.963	94.258	89.161	85.565			
223	90.226	87.4	82.153	92.308	87.856	84.846			
224	87.307	84.116	78.253	95.807	91.869	87.268			
225	91.018	86.868	85.107	96.988	94.258	86.624			
226	88.587	85.163	80.226	93.588	90.108	85.393			
227	89.114	83.858	79.997	95.807	91.176	84.683			
228	88.977	84.633	79.878	92.694	87.63	83.74			
229	89.714	86.624	81.404	95.227	90.9	87.662			
230	87.307	84.486	78.106	94.715	91.705	86.5			
231	89.114	84.343	81.404	94.115	89.786	85.997			
232	87.496	83.694	79.073	96.241	93.008	87.599			
233	90.604	85.767	81.286	94.405	90.967	88.986			
234	91.987	87.038	81.673	93.231	88.46	84.829			
235	88.23	85.455	80.996	93.347	88.422	84.316			
236	92.267	87.796	81.623	91.547	86.699	83.406			
237	88.007	84.028	79.912	94.405	90.337	86.525			
238	89.114	86.035	80.226	93.231	87.015	84.101			
239	88.843	83.9	78.429	93.844	88.422	83.359			
240	92.267	88.117	81.623	91.247	87.957	83.701			
241	88.23	84.785	78.662	95.227	91.176	88.655			
242	89.556	85.899	81.749	93.588	91.705	84.604			
243	91.724	85.64	80.487	93.008	89.206	84.087			
244	89.556	84.89	80.584	93.118	88.237	84.144			
245	87.796	83.273	80.953	93.466	89.298	82.976			
246	89.257	84.997	79.374	92.901	88.735	85.605			
247	87.307	83.059	77.816	92.497	89.073	84.913			
248	89.556	85.107	81.15	92.401	88.859	83.779			
249	87.796	83.985	78.23	91.625	88.384	83.818			
250	88.465	86.394	80.744	93.978	90.396	84.032			

251	87.594	83.614	80.545	94.405	90.337	87.445			
252	89.114	85.163	80.785	93.978	89.487	84.573			
253	87.9	83.383	77.997	92.127	89.029	83.937			
254	89.878	85.64	79.345	95.05	91.47	87.599			
255	88.977	86.624	78.526	94.115	89.298	85.585			
256	87.9	84.205	80.136	93.844	88.025	83.857			
257	89.714	84.683	80.411	93.588	88.695	86.428			
258	90.411	87.4	79.829	93.008	88.46	83.231			
259	88.117	83.421	79.073	93.978	88.943	85.585			
260	89.114	85.107	80.014	93.588	91.32	84.45			
261	89.556	85.455	79.862	95.412	91.32	84.316			
262	90.604	86.624	81.673	96.241	91.47	89.117			
263	88.843	83.164	78.514	94.405	89.998	85.684			
264	88.346	83.9	80.281	96.725	92.594	89.161			
265	88.587	84.205	78.804	98.237	91.625	87.923			
266	87.9	82.889	78.489	94.715	90.337	83.978			
267	87.796	84.251	78.311	93.347	89.117	85.469			
268	90.411	85.899	82.385	92.308	87.268	82.715			
269	88.713	83.273	79.301	92.127	87.07	83.588			
270	90.226	85.767	79.845	96.476	91.247	86.219			
271	91.018	84.837	81.827	96.725	90.516	85.89			
272	91.724	86.868	81.286	94.557	91.705	86.062			
273	89.257	83.9	78.883	94.258	89.838	83.312			
274	91.241	86.175	80.468	92.901	87.63	82.745			
275	88.843	84.028	77.997	93.588	89.735	84.243			
276	90.411	84.837	80.262	94.715	90.396	85.644			
277	88.007	82.567	76.609	92.308	87.89	82.766			
278	91.475	85.966	80.526	93.978	89.117	84.172			
279	88.346	83.575	77.9	95.05	93.008	86.854			
280	89.257	84.534	78.429	94.879	92.694	87.506			
281	91.724	88.117	82.444	93.231	89.073	86.287			
282	88.117	83.346	79.895	95.807	93.008	87.297			



283	89.714	85.899	81.648	93.588	90.768	84.699			
284	90.411	85.107	80.014	93.118	88.655	84.301			
285	87.594	83.816	78.311	97.568	91.705	86.725			
286	91.018	86.704	81.623	93.978	90.516	86.019			
287	90.604	86.785	79.157	94.557	89.206	85.605			
288	91.987	90.049	81.475	94.405	88.576	83.805			
289	88.465	84.028	79.635	94.557	89.391	86.129			
290	89.114	84.943	82.181	94.115	90.456	85.015			
291	88.843	83.309	79.666	97.568	92.694	87.537			
292	88.117	84.438	78.489	93.844	90.396	84.511			
293	90.411	85.22	79.619	93.588	88.776	84.573			
294	91.724	89.878	84.486	92.694	90.396	85.644			
295	88.843	84.297	79.242	96.241	93.714	88.165			
296	89.878	85.767	82.355	92.594	88.537	83.564			
297	90.411	85.515	82.014	92.694	88.695	82.776			
298	88.007	82.822	78.856	92.594	87.823	83.502			
299	90.049	87.4	81.451	94.258	89.029	83.884			
300	88.713	83.9	80.487	92.594	87.856	82.786			
301	91.475	85.966	82.355						
302	87.216	82.99	77.372						
303	90.049	85.22	81.475						
304	88.713	83.383	79.128						
305	88.117	85.163	80.226						
306	90.049	86.624	80.847						
307	88.465	84.683	79.1						
308	88.007	83.614	79.374						
309	90.806	85.336	81.15						
310	90.226	85.833	79.963						
311	88.007	83.942	78.051						
312	88.843	84.251	78.453						
313	90.049	84.116	78.219						
314	87.307	81.404	77.816						

315	90.806	86.785	83.614						
316	92.267	86.868	81.933						
317	90.806	85.966	78.936						
318	88.713	83.094	80.226						
319	89.878	86.394	81.404						
320	88.465	84.486	79.603						
321	90.604	86.624	83.654						
322	88.007	83.383	78.896						
323	88.007	82.414	78.6						
324	89.556	87.796	84.116						
325	88.465	85.703	79.651						
326	88.117	83.985	80.244						
327	87.126	80.868	79.845						
328	88.465	82.661	76.761						
329	89.878	85.515	79.572						
330	87.594	83.734	79.449						
331	90.806	86.952	82.014						
332	92.267	86.32	83.236						
333	90.604	87.496	83.383						
334	87.307	83.2	78.83						
335	88.23	83.734	77.986						
336	87.796	84.39	78.007						
337	87.307	83.734	80.031						
338	88.587	85.107	78.477						
339	90.411	86.624	80.468						
340	87.693	84.583	80.644						
341	87.4	83.421	77.9						
342	86.704	82.505	76.802						
343	93.614	86.175	81.404						
344	88.713	84.486	80.172						
345	88.713	85.277	79.185						
346	90.226	87.038	82.097						

347	88.587	83.309	80.226						
348	88.843	84.997	79.404						
349	89.556	85.767	81.5						
350	88.007	82.385	78.073						
351	88.713	83.654	78.587						
352	89.114	84.072	79.143						
353	91.475	86.952	81.853						
354	88.346	83.575	79.389						
355	89.257	84.205	78.662						
356	88.713	82.889	77.056						
357	92.889	88.977	81.801						
358	89.878	85.455	82.153						
359	89.114	85.515	79.912						
360	87.038	83.273	78.429						
361	91.241	87.038	80.724						
362	88.346	85.107	79.763						
363	89.878	86.868	82.757						
364	88.587	84.251	79.698						
365	87.9	82.725	79.434						
366	91.241	88.117	83.129						
367	88.007	83.985	81.061						
368	89.714	84.297	79.449						
369	91.987	88.346	84.16						
370	89.257	85.22	86.104						
371	88.587	84.89	82.567						
372	89.878	83.575	79.51						
373	92.267	87.307	87.038						
374	88.23	84.837	79.895						
375	88.465	84.438	79.796						
376	91.987	87.4	82.153						
377	89.257	83.421	79.779						
378	89.404	86.104	80.154						

379	89.114	84.734	81.15						
380	88.23	83.129	79.682						
381	90.049	85.899	82.325						
382	90.604	86.868	81.801						
383	90.411	87.038	81.524						
384	88.465	83.536	80.066						
385	92.567	86.704	80.785						
386	88.346	85.833	80.119						
387	88.713	85.966	82.296						
388	88.587	82.567	79.157						
389	91.475	88.346	83.421						
390	90.604	85.163	80.765						
391	93.236	87.796	80.847						
392	88.843	83.614	82.069						
393	86.469	82.21	77.964						
394	89.556	85.22	81.427						
395	86.624	82.069	78.65						
396	88.587	84.534	81.018						
397	88.23	82.99	80.336						
398	89.257	85.455	84.16						
399	91.018	88.23	82.325						
400	88.843	84.734	79.556						
401	89.404	85.703	80.244						
402	90.806	84.89	80.704						
403	90.604	86.175	79.829						
404	89.257	85.455	81.775						
405	87.594	82.296	78.688						
406	88.117	84.16	79.779						
407	88.465	83.985	79.359						
408	90.806	85.22	80.975						
409	87.216	82.79	78.429						
410	89.878	84.343	80.066						

411	87.594	82.79	79.031						
412	89.714	86.785	81.286						
413	89.404	84.297	79.829						
414	88.977	84.486	80.663						
415	90.806	85.833	81.724						
416	91.475	86.624	82.598						
417	87.693	82.629	78.219						
418	90.226	86.952	81.573						
419	91.018	86.394	81.404						
420	90.226	84.072	78.575						
421	89.114	86.785	79.33						
422	88.465	82.693	78.429						
423	87.4	82.355	77.496						
424	88.713	84.785	78.23						
425	92.267	90.226	84.683						
426	89.714	85.395	79.796						
427	87.9	83.816	81.195						
428	88.465	84.633	81.286						
429	87.9	83.694	79.419						
430	87.693	83.383	79.651						
431	89.714	84.785	82.922						
432	92.889	87.594	83.816						
433	90.604	90.049	82.757						
434	88.713	82.567	81.524						
435	90.049	86.469	79.666						
436	88.587	84.785	78.791						
437	88.713	84.072	79.682						
438	88.23	83.383	80.281						
439	88.465	85.577	81.083						
440	87.9	83.024	79.301						
441	89.114	86.175	83.985						
442	90.411	85.833	81.801						

<b>443</b>	90.411	85.052	83.094						
<b>444</b>	90.049	85.515	80.953						
<b>445</b>	87.126	82.444	81.31						
<b>446</b>	90.049	85.277	81.598						
<b>447</b>	88.977	83.694	80.336						
<b>448</b>	90.806	85.767	81.263						
<b>449</b>	88.587	83.775	82.014						
<b>450</b>	88.23	83.459	79.963						

**Lampiran 4 Keseluruhan Perbandingan Nilai PSNR Hasil Steganografi**  
**dengan Metode *Single-frame* dan *Multi-frame***

Frame	Peak Signal to Noise Ratio (dB)																	
	Video1						Video2						Video3					
	Single 50	Single 100	Single 449	Multi 50	Multi 100	Multi 449	Single 50	Single 100	Single 299	Multi 50	Multi 100	Multi 299	Single 50	Single 100	Single 149	Multi 50	Multi 100	Multi 149
1	inf	inf	inf	90.604	90.604	90.604	inf	inf	inf	95.227	95.227	95.227	inf	inf	inf	98.93	98.93	98.93
2	inf	inf	inf	89.114	89.114	89.114	inf	inf	inf	95.412	95.412	95.412	inf	inf	inf	97.923	97.923	97.923
3	inf	inf	inf	89.257	89.257	89.257	inf	inf	inf	94.405	94.405	94.405	inf	inf	inf	97.776	97.776	97.776
4	inf	inf	inf	91.018	91.018	91.018	inf	inf	inf	93.466	93.466	93.466	inf	inf	inf	98.234	98.234	98.234
5	inf	inf	inf	90.604	90.604	90.604	inf	inf	inf	97.268	97.268	97.268	inf	inf	inf	99.537	99.537	99.537
6	inf	inf	inf	89.404	89.404	89.404	inf	inf	inf	95.605	95.605	95.605	inf	inf	inf	99.123	99.123	99.123
7	inf	inf	inf	86.952	86.952	86.952	inf	inf	inf	92.039	92.039	92.039	inf	inf	inf	95.305	95.305	95.305
8	73.182	70.25	63.665	87.216	87.216	87.216	78.418	75.346	70.368	92.127	92.127	92.127	81.81	78.807	77.084	95.558	95.558	95.558
9	inf	inf	inf	88.587	88.587	88.587	inf	inf	inf	95.227	95.227	95.227	inf	inf	inf	98.568	98.568	98.568
10	inf	inf	inf	90.411	88.977	89.878	inf	inf	inf	96.725	93.466	94.557	inf	inf	inf	100.787	97.496	94.989
11	inf	inf	inf	88.465	88.007	88.23	inf	inf	inf	94.115	94.715	93.844	inf	inf	inf	96.637	96.865	97.496
12	inf	inf	inf	89.114	89.878	89.714	inf	inf	inf	94.715	94.557	93.231	inf	inf	inf	98.076	97.634	97.776
13	inf	inf	inf	90.604	91.018	90.604	inf	inf	inf	95.807	96.725	94.258	inf	inf	inf	98.93	99.76	97.233
14	inf	inf	inf	89.257	90.049	88.23	inf	inf	inf	95.605	95.227	96.988	inf	inf	inf	98.93	97.107	97.107
15	inf	inf	inf	87.693	88.23	88.346	inf	inf	inf	92.217	93.118	93.714	inf	inf	inf	96.984	96.015	96.75
16	inf	inf	inf	87.126	88.587	90.604	inf	inf	inf	91.547	93.714	93.844	inf	inf	inf	94.694	97.107	95.472
17	inf	inf	inf	88.465	86.952	90.226	inf	inf	inf	94.115	91.953	93.118	inf	inf	inf	97.496	95.387	100.243
18	inf	inf	inf	90.604	91.475	87.4	inf	inf	inf	97.268	96.019	97.268	inf	inf	inf	101.086	99.76	97.107
19	inf	inf	inf	89.714	87.496	88.713	inf	inf	inf	94.557	92.694	94.258	inf	inf	inf	98.93	95.305	98.076
20	inf	inf	inf	87.796	90.226	91.475	inf	inf	inf	93.231	95.807	92.127	inf	inf	inf	96.527	97.634	98.076
21	inf	inf	inf	89.404	91.987	89.114	inf	inf	inf	93.008	97.268	96.988	inf	inf	inf	97.923	100.506	95.224
22	inf	inf	inf	89.556	89.556	90.226	inf	inf	inf	95.807	95.05	95.412	inf	inf	inf	98.93	98.93	96.865
23	inf	inf	inf	89.257	88.977	89.556	inf	inf	inf	95.05	94.115	95.807	inf	inf	inf	98.234	97.634	98.234
24	inf	inf	inf	89.114	89.556	91.241	inf	inf	inf	93.466	93.347	92.694	inf	inf	inf	97.362	97.233	96.865
25	inf	inf	inf	88.843	91.018	88.977	inf	inf	inf	94.405	96.241	92.497	inf	inf	inf	97.496	99.76	98.745
26	inf	inf	inf	88.587	88.465	88.977	inf	inf	inf	93.008	93.347	95.807	inf	inf	inf	97.776	97.634	98.076

27	inf	inf	inf	90.604	87.796	88.465	inf	inf	inf	95.605	93.347	93.231	inf	inf	inf	99.537	97.233	100.506
28	inf	inf	inf	90.049	88.713	89.714	inf	inf	inf	93.714	94.258	93.588	inf	inf	inf	98.745	97.634	96.984
29	inf	inf	inf	91.724	89.556	91.241	inf	inf	inf	97.268	93.714	92.308	inf	inf	inf	99.325	97.776	97.107
30	inf	inf	inf	90.604	88.23	88.23	inf	inf	inf	94.715	94.115	96.241	inf	inf	inf	99.537	97.362	99.325
31	inf	inf	inf	88.346	90.411	88.843	inf	inf	inf	92.594	94.115	93.008	inf	inf	inf	95.92	98.398	101.086
32	inf	inf	inf	88.23	90.226	89.556	inf	inf	inf	94.258	96.476	96.476	inf	inf	inf	97.496	99.76	97.776
33	inf	inf	inf	90.806	90.049	90.806	inf	inf	inf	95.227	94.557	95.807	inf	inf	inf	99.537	97.362	97.776
34	inf	inf	inf	91.018	89.257	88.465	inf	inf	inf	96.988	93.588	94.258	inf	inf	inf	100.243	97.362	100.243
35	inf	inf	inf	91.241	87.796	89.257	inf	inf	inf	95.227	92.039	95.605	inf	inf	inf	99.325	95.826	97.496
36	inf	inf	inf	91.018	89.404	92.889	inf	inf	inf	94.405	94.115	95.412	inf	inf	inf	98.745	98.076	96.527
37	inf	inf	inf	91.018	89.404	88.465	inf	inf	inf	94.879	94.879	94.557	inf	inf	inf	98.568	97.776	95.735
38	inf	inf	inf	89.114	92.889	90.049	inf	inf	inf	94.557	97.268	93.008	inf	inf	inf	97.233	102.134	97.776
39	inf	inf	inf	90.226	89.257	90.806	inf	inf	inf	95.807	93.714	91.786	inf	inf	inf	98.076	98.234	100.787
40	inf	inf	inf	89.556	91.724	91.241	inf	inf	inf	94.115	96.476	94.258	inf	inf	inf	98.398	99.325	96.984
41	inf	inf	inf	87.4	89.257	89.257	inf	inf	inf	92.901	95.05	96.725	inf	inf	inf	96.213	97.634	97.776
42	inf	inf	inf	88.117	87.693	88.587	inf	inf	inf	94.879	93.347	95.05	inf	inf	inf	97.923	96.637	96.315
43	inf	inf	inf	92.889	87.796	91.987	inf	inf	inf	96.725	93.118	98.237	inf	inf	inf	101.086	96.865	101.408
44	inf	inf	inf	90.806	90.806	87.796	inf	inf	inf	96.988	96.476	94.115	inf	inf	inf	99.537	99.995	97.776
45	inf	inf	inf	90.049	88.587	89.257	inf	inf	inf	94.715	94.258	94.715	inf	inf	inf	97.776	97.634	96.637
46	inf	inf	inf	89.878	89.714	88.465	inf	inf	inf	95.807	94.405	93.978	inf	inf	inf	98.076	97.634	98.076
47	inf	inf	inf	88.23	91.987	88.117	inf	inf	inf	93.466	96.019	93.118	inf	inf	inf	96.113	100.243	100.787
48	inf	inf	inf	88.713	88.843	91.018	inf	inf	inf	93.714	92.901	92.217	inf	inf	inf	96.865	96.527	99.325
49	inf	inf	inf	87.693	87.594	89.878	inf	inf	inf	92.901	93.008	96.019	inf	inf	inf	96.213	95.92	97.233
50	inf	inf	inf	91.018	89.257	91.018	inf	inf	inf	95.807	94.258	96.241	inf	inf	inf	98.745	97.362	96.865
51	inf	inf	inf	87.038	90.806	88.587	inf	inf	inf	91.47	95.412	92.594	inf	inf	inf	95.224	99.537	97.107
52	inf	inf	inf	inf	88.23	88.465	inf	inf	inf	inf	94.258	93.008	inf	inf	inf	inf	98.745	98.234
53	inf	inf	inf	inf	88.977	90.049	inf	inf	inf	inf	94.115	95.05	inf	inf	inf	inf	98.234	97.923
54	inf	inf	inf	inf	90.049	87.693	inf	inf	inf	inf	96.019	94.879	inf	inf	inf	inf	99.123	99.325
55	inf	inf	inf	inf	88.465	90.411	inf	inf	inf	inf	93.118	91.395	inf	inf	inf	inf	96.113	97.634
56	inf	inf	inf	inf	91.018	91.987	inf	inf	inf	inf	95.05	93.118	inf	inf	inf	inf	97.923	98.234
57	inf	inf	inf	inf	89.714	88.346	inf	inf	inf	inf	93.466	95.05	inf	inf	inf	inf	97.923	96.42
58	inf	inf	inf	inf	90.411	87.594	inf	inf	inf	inf	95.05	93.118	inf	inf	inf	inf	98.745	99.325



59	inf	inf	inf	inf	91.241	89.878	inf	inf	inf	inf	95.227	94.879	inf	inf	inf	inf	99.76	98.745
60	inf	inf	inf	inf	88.007	89.257	inf	inf	inf	inf	93.588	94.557	inf	inf	inf	inf	96.637	98.93
61	inf	inf	inf	inf	89.404	88.117	inf	inf	inf	inf	93.347	95.412	inf	inf	inf	inf	96.865	96.42
62	inf	inf	inf	inf	92.567	89.257	inf	inf	inf	inf	97.268	94.879	inf	inf	inf	inf	99.76	98.745
63	inf	inf	inf	inf	89.556	90.604	inf	inf	inf	inf	95.807	92.308	inf	inf	inf	inf	98.93	99.537
64	inf	inf	inf	inf	92.267	87.216	inf	inf	inf	inf	98.237	94.258	inf	inf	inf	inf	101.086	95.066
65	inf	inf	inf	inf	87.796	89.114	inf	inf	inf	inf	92.797	93.714	inf	inf	inf	inf	96.113	96.527
66	inf	inf	inf	inf	88.977	90.226	inf	inf	inf	inf	94.879	96.988	inf	inf	inf	inf	98.93	96.527
67	inf	inf	inf	inf	88.346	91.724	inf	inf	inf	inf	92.797	94.115	inf	inf	inf	inf	96.113	97.776
68	inf	inf	inf	inf	87.796	90.226	inf	inf	inf	inf	92.901	95.227	inf	inf	inf	inf	96.42	98.568
69	inf	inf	inf	inf	87.796	89.714	inf	inf	inf	inf	92.401	93.466	inf	inf	inf	inf	96.42	97.362
70	inf	inf	inf	inf	88.977	91.241	inf	inf	inf	inf	94.115	95.05	inf	inf	inf	inf	97.923	97.496
71	inf	inf	inf	inf	89.114	89.257	inf	inf	inf	inf	92.694	95.227	inf	inf	inf	inf	96.984	97.634
72	inf	inf	inf	inf	88.007	88.23	inf	inf	inf	inf	94.115	97.568	inf	inf	inf	inf	97.362	100.243
73	inf	inf	inf	inf	89.114	88.713	inf	inf	inf	inf	94.405	93.588	inf	inf	inf	inf	97.496	97.362
74	inf	inf	inf	inf	91.241	91.018	inf	inf	inf	inf	96.241	94.715	inf	inf	inf	inf	100.243	99.537
75	inf	inf	inf	inf	88.007	91.018	inf	inf	inf	inf	92.901	94.115	inf	inf	inf	inf	96.527	97.362
76	inf	inf	inf	inf	89.257	87.9	inf	inf	inf	inf	94.715	96.988	inf	inf	inf	inf	98.076	98.93
77	inf	inf	inf	inf	89.404	89.556	inf	inf	inf	inf	93.978	94.879	inf	inf	inf	inf	96.637	97.923
78	inf	inf	inf	inf	94.028	90.049	inf	inf	inf	inf	97.268	97.268	inf	inf	inf	inf	102.134	95.558
79	inf	inf	inf	inf	91.724	88.977	inf	inf	inf	inf	96.725	93.714	inf	inf	inf	inf	101.086	97.496
80	inf	inf	inf	inf	87.126	88.465	inf	inf	inf	inf	92.039	93.978	inf	inf	inf	inf	95.735	98.076
81	inf	inf	inf	inf	91.018	90.604	inf	inf	inf	inf	94.879	92.901	inf	inf	inf	inf	99.123	98.745
82	inf	inf	inf	inf	91.987	91.475	inf	inf	inf	inf	96.019	93.118	inf	inf	inf	inf	99.537	98.234
83	inf	inf	inf	inf	88.465	88.587	inf	inf	inf	inf	93.588	95.05	inf	inf	inf	inf	97.362	97.923
84	inf	inf	inf	inf	87.594	90.049	inf	inf	inf	inf	93.347	93.466	inf	inf	inf	inf	96.015	97.496
85	inf	inf	inf	inf	89.878	88.346	inf	inf	inf	inf	96.019	93.978	inf	inf	inf	inf	99.537	99.995
86	inf	inf	inf	inf	89.556	89.878	inf	inf	inf	inf	93.588	92.901	inf	inf	inf	inf	97.776	98.745
87	inf	inf	inf	inf	87.693	89.556	inf	inf	inf	inf	92.901	92.901	inf	inf	inf	inf	96.637	96.865
88	inf	inf	inf	inf	89.404	89.257	inf	inf	inf	inf	93.844	92.217	inf	inf	inf	inf	96.75	96.865
89	inf	inf	inf	inf	94.486	88.843	inf	inf	inf	inf	98.615	96.988	inf	inf	inf	inf	99.995	99.123
90	inf	inf	inf	inf	87.4	89.114	inf	inf	inf	inf	92.694	97.89	inf	inf	inf	inf	95.92	100.243

91	inf	inf	inf	inf	89.404	89.714	inf	inf	inf	inf	95.807	92.401	inf	inf	inf	inf	98.745	96.527
92	inf	inf	inf	inf	90.411	88.007	inf	inf	inf	inf	95.807	93.118	inf	inf	inf	inf	99.325	97.634
93	inf	inf	inf	inf	91.475	90.049	inf	inf	inf	inf	96.988	93.118	inf	inf	inf	inf	99.995	98.234
94	inf	inf	inf	inf	91.018	89.878	inf	inf	inf	inf	95.807	94.879	inf	inf	inf	inf	98.745	99.325
95	inf	inf	inf	inf	89.714	89.556	inf	inf	inf	inf	93.466	93.844	inf	inf	inf	inf	98.076	98.076
96	inf	inf	inf	inf	90.604	89.257	inf	inf	inf	inf	96.241	93.844	inf	inf	inf	inf	99.123	98.93
97	inf	inf	inf	inf	87.594	88.843	inf	inf	inf	inf	93.118	93.347	inf	inf	inf	inf	96.527	96.984
98	inf	inf	inf	inf	89.556	89.404	inf	inf	inf	inf	95.05	92.401	inf	inf	inf	inf	98.076	97.923
99	inf	inf	inf	inf	86.785	88.007	inf	inf	inf	inf	92.797	92.797	inf	inf	inf	inf	95.645	96.213
100	inf	inf	inf	inf	90.411	88.007	inf	inf	inf	inf	96.241	92.797	inf	inf	inf	inf	98.93	97.923
101	inf	inf	inf	inf	86.785	87.796	inf	inf	inf	inf	91.625	92.901	inf	inf	inf	inf	95.645	96.527
102	inf	inf	inf	inf	inf	90.049	inf	inf	inf	inf	inf	93.231	inf	inf	inf	inf	inf	96.75
103	inf	inf	inf	inf	inf	93.236	inf	inf	inf	inf	inf	96.241	inf	inf	inf	inf	inf	96.113
104	inf	inf	inf	inf	inf	88.977	inf	inf	inf	inf	inf	93.714	inf	inf	inf	inf	inf	98.745
105	inf	inf	inf	inf	inf	87.693	inf	inf	inf	inf	inf	93.978	inf	inf	inf	inf	inf	99.76
106	inf	inf	inf	inf	inf	89.878	inf	inf	inf	inf	inf	93.588	inf	inf	inf	inf	inf	96.75
107	inf	inf	inf	inf	inf	92.889	inf	inf	inf	inf	inf	93.588	inf	inf	inf	inf	inf	98.745
108	inf	inf	inf	inf	inf	89.878	inf	inf	inf	inf	inf	93.714	inf	inf	inf	inf	inf	97.496
109	inf	inf	inf	inf	inf	89.878	inf	inf	inf	inf	inf	93.714	inf	inf	inf	inf	inf	96.527
110	inf	inf	inf	inf	inf	89.404	inf	inf	inf	inf	inf	93.118	inf	inf	inf	inf	inf	97.233
111	inf	inf	inf	inf	inf	88.843	inf	inf	inf	inf	inf	92.594	inf	inf	inf	inf	inf	97.923
112	inf	inf	inf	inf	inf	90.226	inf	inf	inf	inf	inf	96.476	inf	inf	inf	inf	inf	96.213
113	inf	inf	inf	inf	inf	86.32	inf	inf	inf	inf	inf	93.844	inf	inf	inf	inf	inf	97.776
114	inf	inf	inf	inf	inf	91.475	inf	inf	inf	inf	inf	96.241	inf	inf	inf	inf	inf	98.234
115	inf	inf	inf	inf	inf	88.843	inf	inf	inf	inf	inf	92.308	inf	inf	inf	inf	inf	99.76
116	inf	inf	inf	inf	inf	87.4	inf	inf	inf	inf	inf	94.258	inf	inf	inf	inf	inf	96.637
117	inf	inf	inf	inf	inf	88.465	inf	inf	inf	inf	inf	93.844	inf	inf	inf	inf	inf	97.496
118	inf	inf	inf	inf	inf	88.843	inf	inf	inf	inf	inf	92.497	inf	inf	inf	inf	inf	98.93
119	inf	inf	inf	inf	inf	88.23	inf	inf	inf	inf	inf	95.807	inf	inf	inf	inf	inf	98.234
120	inf	inf	inf	inf	inf	90.411	inf	inf	inf	inf	inf	94.557	inf	inf	inf	inf	inf	97.634
121	inf	inf	inf	inf	inf	91.987	inf	inf	inf	inf	inf	93.588	inf	inf	inf	inf	inf	99.325
122	inf	inf	inf	inf	inf	88.465	inf	inf	inf	inf	inf	94.405	inf	inf	inf	inf	inf	99.76

123	inf	inf	inf	inf	inf	88.117	inf	inf	inf	inf	inf	96.725	inf	inf	inf	inf	inf	97.923
124	inf	inf	inf	inf	inf	89.257	inf	inf	inf	inf	inf	94.879	inf	inf	inf	inf	inf	95.92
125	inf	inf	inf	inf	inf	88.977	inf	inf	inf	inf	inf	92.901	inf	inf	inf	inf	inf	97.362
126	inf	inf	inf	inf	inf	88.346	inf	inf	inf	inf	inf	92.127	inf	inf	inf	inf	inf	98.076
127	inf	inf	inf	inf	inf	89.556	inf	inf	inf	inf	inf	92.308	inf	inf	inf	inf	inf	97.634
128	inf	inf	inf	inf	inf	91.241	inf	inf	inf	inf	inf	92.497	inf	inf	inf	inf	inf	100.506
129	inf	inf	inf	inf	inf	88.843	inf	inf	inf	inf	inf	94.115	inf	inf	inf	inf	inf	96.865
130	inf	inf	inf	inf	inf	88.587	inf	inf	inf	inf	inf	94.405	inf	inf	inf	inf	inf	97.634
131	inf	inf	inf	inf	inf	89.257	inf	inf	inf	inf	inf	96.725	inf	inf	inf	inf	inf	100.506
132	inf	inf	inf	inf	inf	88.007	inf	inf	inf	inf	inf	93.588	inf	inf	inf	inf	inf	97.107
133	inf	inf	inf	inf	inf	89.114	inf	inf	inf	inf	inf	93.588	inf	inf	inf	inf	inf	98.234
134	inf	inf	inf	inf	inf	91.475	inf	inf	inf	inf	inf	95.807	inf	inf	inf	inf	inf	98.93
135	inf	inf	inf	inf	inf	88.587	inf	inf	inf	inf	inf	94.879	inf	inf	inf	inf	inf	100.506
136	inf	inf	inf	inf	inf	90.226	inf	inf	inf	inf	inf	93.844	inf	inf	inf	inf	inf	97.776
137	inf	inf	inf	inf	inf	89.114	inf	inf	inf	inf	inf	93.714	inf	inf	inf	inf	inf	96.527
138	inf	inf	inf	inf	inf	89.114	inf	inf	inf	inf	inf	94.879	inf	inf	inf	inf	inf	98.076
139	inf	inf	inf	inf	inf	91.475	inf	inf	inf	inf	inf	96.019	inf	inf	inf	inf	inf	95.92
140	inf	inf	inf	inf	inf	90.411	inf	inf	inf	inf	inf	93.008	inf	inf	inf	inf	inf	96.637
141	inf	inf	inf	inf	inf	87.038	inf	inf	inf	inf	inf	93.118	inf	inf	inf	inf	inf	99.537
142	inf	inf	inf	inf	inf	87.496	inf	inf	inf	inf	inf	94.115	inf	inf	inf	inf	inf	101.408
143	inf	inf	inf	inf	inf	89.404	inf	inf	inf	inf	inf	93.347	inf	inf	inf	inf	inf	97.107
144	inf	inf	inf	inf	inf	91.241	inf	inf	inf	inf	inf	94.115	inf	inf	inf	inf	inf	96.42
145	inf	inf	inf	inf	inf	88.713	inf	inf	inf	inf	inf	97.268	inf	inf	inf	inf	inf	99.537
146	inf	inf	inf	inf	inf	87.796	inf	inf	inf	inf	inf	94.115	inf	inf	inf	inf	inf	98.93
147	inf	inf	inf	inf	inf	91.475	inf	inf	inf	inf	inf	94.258	inf	inf	inf	inf	inf	99.123
148	inf	inf	inf	inf	inf	89.878	inf	inf	inf	inf	inf	96.019	inf	inf	inf	inf	inf	97.496
149	inf	inf	inf	inf	inf	87.693	inf	inf	inf	inf	inf	93.588	inf	inf	inf	inf	inf	96.015
150	inf	inf	inf	inf	inf	88.843	inf	inf	inf	inf	inf	93.588	inf	inf	inf	inf	inf	98.076
151	inf	inf	inf	inf	inf	90.049	inf	inf	inf	inf	inf	92.594						
152	inf	inf	inf	inf	inf	87.126	inf	inf	inf	inf	inf	94.557						
153	inf	inf	inf	inf	inf	88.587	inf	inf	inf	inf	inf	92.497						
154	inf	inf	inf	inf	inf	94.028	inf	inf	inf	inf	inf	94.258						

155	inf	inf	inf	inf	inf	87.594	inf	inf	inf	inf	inf	96.241							
156	inf	inf	inf	inf	inf	88.977	inf	inf	inf	inf	inf	96.241							
157	inf	inf	inf	inf	inf	88.23	inf	inf	inf	inf	inf	92.217							
158	inf	inf	inf	inf	inf	91.241	inf	inf	inf	inf	inf	96.241							
159	inf	inf	inf	inf	inf	88.587	inf	inf	inf	inf	inf	92.594							
160	inf	inf	inf	inf	inf	88.587	inf	inf	inf	inf	inf	95.227							
161	inf	inf	inf	inf	inf	89.114	inf	inf	inf	inf	inf	95.05							
162	inf	inf	inf	inf	inf	90.049	inf	inf	inf	inf	inf	94.557							
163	inf	inf	inf	inf	inf	90.226	inf	inf	inf	inf	inf	95.412							
164	inf	inf	inf	inf	inf	87.126	inf	inf	inf	inf	inf	94.879							
165	inf	inf	inf	inf	inf	88.346	inf	inf	inf	inf	inf	93.466							
166	inf	inf	inf	inf	inf	87.216	inf	inf	inf	inf	inf	94.258							
167	inf	inf	inf	inf	inf	88.713	inf	inf	inf	inf	inf	95.807							
168	inf	inf	inf	inf	inf	87.693	inf	inf	inf	inf	inf	95.05							
169	inf	inf	inf	inf	inf	89.404	inf	inf	inf	inf	inf	95.605							
170	inf	inf	inf	inf	inf	90.411	inf	inf	inf	inf	inf	94.715							
171	inf	inf	inf	inf	inf	86.952	inf	inf	inf	inf	inf	92.039							
172	inf	inf	inf	inf	inf	89.556	inf	inf	inf	inf	inf	93.588							
173	inf	inf	inf	inf	inf	87.496	inf	inf	inf	inf	inf	95.227							
174	inf	inf	inf	inf	inf	91.018	inf	inf	inf	inf	inf	93.118							
175	inf	inf	inf	inf	inf	87.496	inf	inf	inf	inf	inf	93.231							
176	inf	inf	inf	inf	inf	89.556	inf	inf	inf	inf	inf	95.807							
177	inf	inf	inf	inf	inf	89.556	inf	inf	inf	inf	inf	96.241							
178	inf	inf	inf	inf	inf	90.604	inf	inf	inf	inf	inf	96.725							
179	inf	inf	inf	inf	inf	88.713	inf	inf	inf	inf	inf	93.588							
180	inf	inf	inf	inf	inf	88.977	inf	inf	inf	inf	inf	93.231							
181	inf	inf	inf	inf	inf	92.567	inf	inf	inf	inf	inf	93.588							
182	inf	inf	inf	inf	inf	88.007	inf	inf	inf	inf	inf	93.978							
183	inf	inf	inf	inf	inf	89.257	inf	inf	inf	inf	inf	95.807							
184	inf	inf	inf	inf	inf	90.049	inf	inf	inf	inf	inf	94.258							
185	inf	inf	inf	inf	inf	87.9	inf	inf	inf	inf	inf	93.588							
186	inf	inf	inf	inf	inf	88.465	inf	inf	inf	inf	inf	95.05							

187	inf	inf	inf	inf	inf	87.9	inf	inf	inf	inf	inf	93.008							
188	inf	inf	inf	inf	inf	89.878	inf	inf	inf	inf	inf	94.715							
189	inf	inf	inf	inf	inf	92.267	inf	inf	inf	inf	inf	96.476							
190	inf	inf	inf	inf	inf	88.713	inf	inf	inf	inf	inf	92.127							
191	inf	inf	inf	inf	inf	89.114	inf	inf	inf	inf	inf	94.115							
192	inf	inf	inf	inf	inf	89.114	inf	inf	inf	inf	inf	94.115							
193	inf	inf	inf	inf	inf	89.257	inf	inf	inf	inf	inf	94.258							
194	inf	inf	inf	inf	inf	89.878	inf	inf	inf	inf	inf	94.115							
195	inf	inf	inf	inf	inf	89.878	inf	inf	inf	inf	inf	94.879							
196	inf	inf	inf	inf	inf	89.878	inf	inf	inf	inf	inf	95.227							
197	inf	inf	inf	inf	inf	90.226	inf	inf	inf	inf	inf	94.715							
198	inf	inf	inf	inf	inf	92.889	inf	inf	inf	inf	inf	94.258							
199	inf	inf	inf	inf	inf	90.226	inf	inf	inf	inf	inf	94.405							
200	inf	inf	inf	inf	inf	86.952	inf	inf	inf	inf	inf	96.019							
201	inf	inf	inf	inf	inf	87.496	inf	inf	inf	inf	inf	99.487							
202	inf	inf	inf	inf	inf	90.411	inf	inf	inf	inf	inf	94.258							
203	inf	inf	inf	inf	inf	89.404	inf	inf	inf	inf	inf	94.879							
204	inf	inf	inf	inf	inf	89.257	inf	inf	inf	inf	inf	93.466							
205	inf	inf	inf	inf	inf	88.23	inf	inf	inf	inf	inf	92.901							
206	inf	inf	inf	inf	inf	90.049	inf	inf	inf	inf	inf	93.118							
207	inf	inf	inf	inf	inf	88.346	inf	inf	inf	inf	inf	93.118							
208	inf	inf	inf	inf	inf	87.796	inf	inf	inf	inf	inf	96.476							
209	inf	inf	inf	inf	inf	88.007	inf	inf	inf	inf	inf	94.557							
210	inf	inf	inf	inf	inf	90.049	inf	inf	inf	inf	inf	92.594							
211	inf	inf	inf	inf	inf	89.714	inf	inf	inf	inf	inf	92.694							
212	inf	inf	inf	inf	inf	87.9	inf	inf	inf	inf	inf	93.844							
213	inf	inf	inf	inf	inf	88.977	inf	inf	inf	inf	inf	94.879							
214	inf	inf	inf	inf	inf	88.843	inf	inf	inf	inf	inf	94.258							
215	inf	inf	inf	inf	inf	88.587	inf	inf	inf	inf	inf	95.605							
216	inf	inf	inf	inf	inf	90.226	inf	inf	inf	inf	inf	92.901							
217	inf	inf	inf	inf	inf	89.714	inf	inf	inf	inf	inf	96.988							
218	inf	inf	inf	inf	inf	88.977	inf	inf	inf	inf	inf	93.978							

219	inf	inf	inf	inf	inf	88.465	inf	inf	inf	inf	inf	95.807							
220	inf	inf	inf	inf	inf	88.977	inf	inf	inf	inf	inf	94.557							
221	inf	inf	inf	inf	inf	88.587	inf	inf	inf	inf	inf	96.019							
222	inf	inf	inf	inf	inf	88.007	inf	inf	inf	inf	inf	94.258							
223	inf	inf	inf	inf	inf	90.226	inf	inf	inf	inf	inf	92.308							
224	inf	inf	inf	inf	inf	87.307	inf	inf	inf	inf	inf	95.807							
225	inf	inf	inf	inf	inf	91.018	inf	inf	inf	inf	inf	96.988							
226	inf	inf	inf	inf	inf	88.587	inf	inf	inf	inf	inf	93.588							
227	inf	inf	inf	inf	inf	89.114	inf	inf	inf	inf	inf	95.807							
228	inf	inf	inf	inf	inf	88.977	inf	inf	inf	inf	inf	92.694							
229	inf	inf	inf	inf	inf	89.714	inf	inf	inf	inf	inf	95.227							
230	inf	inf	inf	inf	inf	87.307	inf	inf	inf	inf	inf	94.715							
231	inf	inf	inf	inf	inf	89.114	inf	inf	inf	inf	inf	94.115							
232	inf	inf	inf	inf	inf	87.496	inf	inf	inf	inf	inf	96.241							
233	inf	inf	inf	inf	inf	90.604	inf	inf	inf	inf	inf	94.405							
234	inf	inf	inf	inf	inf	91.987	inf	inf	inf	inf	inf	93.231							
235	inf	inf	inf	inf	inf	88.23	inf	inf	inf	inf	inf	93.347							
236	inf	inf	inf	inf	inf	92.267	inf	inf	inf	inf	inf	91.547							
237	inf	inf	inf	inf	inf	88.007	inf	inf	inf	inf	inf	94.405							
238	inf	inf	inf	inf	inf	89.114	inf	inf	inf	inf	inf	93.231							
239	inf	inf	inf	inf	inf	88.843	inf	inf	inf	inf	inf	93.844							
240	inf	inf	inf	inf	inf	92.267	inf	inf	inf	inf	inf	91.247							
241	inf	inf	inf	inf	inf	88.23	inf	inf	inf	inf	inf	95.227							
242	inf	inf	inf	inf	inf	89.556	inf	inf	inf	inf	inf	93.588							
243	inf	inf	inf	inf	inf	91.724	inf	inf	inf	inf	inf	93.008							
244	inf	inf	inf	inf	inf	89.556	inf	inf	inf	inf	inf	93.118							
245	inf	inf	inf	inf	inf	87.796	inf	inf	inf	inf	inf	93.466							
246	inf	inf	inf	inf	inf	89.257	inf	inf	inf	inf	inf	92.901							
247	inf	inf	inf	inf	inf	87.307	inf	inf	inf	inf	inf	92.497							
248	inf	inf	inf	inf	inf	89.556	inf	inf	inf	inf	inf	92.401							
249	inf	inf	inf	inf	inf	87.796	inf	inf	inf	inf	inf	91.625							
250	inf	inf	inf	inf	inf	88.465	inf	inf	inf	inf	inf	93.978							

251	inf	inf	inf	inf	inf	87.594	inf	inf	inf	inf	inf	94.405							
252	inf	inf	inf	inf	inf	89.114	inf	inf	inf	inf	inf	93.978							
253	inf	inf	inf	inf	inf	87.9	inf	inf	inf	inf	inf	92.127							
254	inf	inf	inf	inf	inf	89.878	inf	inf	inf	inf	inf	95.05							
255	inf	inf	inf	inf	inf	88.977	inf	inf	inf	inf	inf	94.115							
256	inf	inf	inf	inf	inf	87.9	inf	inf	inf	inf	inf	93.844							
257	inf	inf	inf	inf	inf	89.714	inf	inf	inf	inf	inf	93.588							
258	inf	inf	inf	inf	inf	90.411	inf	inf	inf	inf	inf	93.008							
259	inf	inf	inf	inf	inf	88.117	inf	inf	inf	inf	inf	93.978							
260	inf	inf	inf	inf	inf	89.114	inf	inf	inf	inf	inf	93.588							
261	inf	inf	inf	inf	inf	89.556	inf	inf	inf	inf	inf	95.412							
262	inf	inf	inf	inf	inf	90.604	inf	inf	inf	inf	inf	96.241							
263	inf	inf	inf	inf	inf	88.843	inf	inf	inf	inf	inf	94.405							
264	inf	inf	inf	inf	inf	88.346	inf	inf	inf	inf	inf	96.725							
265	inf	inf	inf	inf	inf	88.587	inf	inf	inf	inf	inf	98.237							
266	inf	inf	inf	inf	inf	87.9	inf	inf	inf	inf	inf	94.715							
267	inf	inf	inf	inf	inf	87.796	inf	inf	inf	inf	inf	93.347							
268	inf	inf	inf	inf	inf	90.411	inf	inf	inf	inf	inf	92.308							
269	inf	inf	inf	inf	inf	88.713	inf	inf	inf	inf	inf	92.127							
270	inf	inf	inf	inf	inf	90.226	inf	inf	inf	inf	inf	96.476							
271	inf	inf	inf	inf	inf	91.018	inf	inf	inf	inf	inf	96.725							
272	inf	inf	inf	inf	inf	91.724	inf	inf	inf	inf	inf	94.557							
273	inf	inf	inf	inf	inf	89.257	inf	inf	inf	inf	inf	94.258							
274	inf	inf	inf	inf	inf	91.241	inf	inf	inf	inf	inf	92.901							
275	inf	inf	inf	inf	inf	88.843	inf	inf	inf	inf	inf	93.588							
276	inf	inf	inf	inf	inf	90.411	inf	inf	inf	inf	inf	94.715							
277	inf	inf	inf	inf	inf	88.007	inf	inf	inf	inf	inf	92.308							
278	inf	inf	inf	inf	inf	91.475	inf	inf	inf	inf	inf	93.978							
279	inf	inf	inf	inf	inf	88.346	inf	inf	inf	inf	inf	95.05							
280	inf	inf	inf	inf	inf	89.257	inf	inf	inf	inf	inf	94.879							
281	inf	inf	inf	inf	inf	91.724	inf	inf	inf	inf	inf	93.231							
282	inf	inf	inf	inf	inf	88.117	inf	inf	inf	inf	inf	95.807							

283	inf	inf	inf	inf	inf	89.714	inf	inf	inf	inf	inf	93.588							
284	inf	inf	inf	inf	inf	90.411	inf	inf	inf	inf	inf	93.118							
285	inf	inf	inf	inf	inf	87.594	inf	inf	inf	inf	inf	97.568							
286	inf	inf	inf	inf	inf	91.018	inf	inf	inf	inf	inf	93.978							
287	inf	inf	inf	inf	inf	90.604	inf	inf	inf	inf	inf	94.557							
288	inf	inf	inf	inf	inf	91.987	inf	inf	inf	inf	inf	94.405							
289	inf	inf	inf	inf	inf	88.465	inf	inf	inf	inf	inf	94.557							
290	inf	inf	inf	inf	inf	89.114	inf	inf	inf	inf	inf	94.115							
291	inf	inf	inf	inf	inf	88.843	inf	inf	inf	inf	inf	97.568							
292	inf	inf	inf	inf	inf	88.117	inf	inf	inf	inf	inf	93.844							
293	inf	inf	inf	inf	inf	90.411	inf	inf	inf	inf	inf	93.588							
294	inf	inf	inf	inf	inf	91.724	inf	inf	inf	inf	inf	92.694							
295	inf	inf	inf	inf	inf	88.843	inf	inf	inf	inf	inf	96.241							
296	inf	inf	inf	inf	inf	89.878	inf	inf	inf	inf	inf	92.594							
297	inf	inf	inf	inf	inf	90.411	inf	inf	inf	inf	inf	92.694							
298	inf	inf	inf	inf	inf	88.007	inf	inf	inf	inf	inf	92.594							
299	inf	inf	inf	inf	inf	90.049	inf	inf	inf	inf	inf	94.258							
300	inf	inf	inf	inf	inf	88.713	inf	inf	inf	inf	inf	92.594							
301	inf	inf	inf	inf	inf	91.475													
302	inf	inf	inf	inf	inf	87.216													
303	inf	inf	inf	inf	inf	90.049													
304	inf	inf	inf	inf	inf	88.713													
305	inf	inf	inf	inf	inf	88.117													
306	inf	inf	inf	inf	inf	90.049													
307	inf	inf	inf	inf	inf	88.465													
308	inf	inf	inf	inf	inf	88.007													
309	inf	inf	inf	inf	inf	90.806													
310	inf	inf	inf	inf	inf	90.226													
311	inf	inf	inf	inf	inf	88.007													
312	inf	inf	inf	inf	inf	88.843													
313	inf	inf	inf	inf	inf	90.049													
314	inf	inf	inf	inf	inf	87.307													



315	inf	inf	inf	inf	inf	90.806													
316	inf	inf	inf	inf	inf	92.267													
317	inf	inf	inf	inf	inf	90.806													
318	inf	inf	inf	inf	inf	88.713													
319	inf	inf	inf	inf	inf	89.878													
320	inf	inf	inf	inf	inf	88.465													
321	inf	inf	inf	inf	inf	90.604													
322	inf	inf	inf	inf	inf	88.007													
323	inf	inf	inf	inf	inf	88.007													
324	inf	inf	inf	inf	inf	89.556													
325	inf	inf	inf	inf	inf	88.465													
326	inf	inf	inf	inf	inf	88.117													
327	inf	inf	inf	inf	inf	87.126													
328	inf	inf	inf	inf	inf	88.465													
329	inf	inf	inf	inf	inf	89.878													
330	inf	inf	inf	inf	inf	87.594													
331	inf	inf	inf	inf	inf	90.806													
332	inf	inf	inf	inf	inf	92.267													
333	inf	inf	inf	inf	inf	90.604													
334	inf	inf	inf	inf	inf	87.307													
335	inf	inf	inf	inf	inf	88.23													
336	inf	inf	inf	inf	inf	87.796													
337	inf	inf	inf	inf	inf	87.307													
338	inf	inf	inf	inf	inf	88.587													
339	inf	inf	inf	inf	inf	90.411													
340	inf	inf	inf	inf	inf	87.693													
341	inf	inf	inf	inf	inf	87.4													
342	inf	inf	inf	inf	inf	86.704													
343	inf	inf	inf	inf	inf	93.614													
344	inf	inf	inf	inf	inf	88.713													
345	inf	inf	inf	inf	inf	88.713													
346	inf	inf	inf	inf	inf	90.226													

347	inf	inf	inf	inf	inf	88.587													
348	inf	inf	inf	inf	inf	88.843													
349	inf	inf	inf	inf	inf	89.556													
350	inf	inf	inf	inf	inf	88.007													
351	inf	inf	inf	inf	inf	88.713													
352	inf	inf	inf	inf	inf	89.114													
353	inf	inf	inf	inf	inf	91.475													
354	inf	inf	inf	inf	inf	88.346													
355	inf	inf	inf	inf	inf	89.257													
356	inf	inf	inf	inf	inf	88.713													
357	inf	inf	inf	inf	inf	92.889													
358	inf	inf	inf	inf	inf	89.878													
359	inf	inf	inf	inf	inf	89.114													
360	inf	inf	inf	inf	inf	87.038													
361	inf	inf	inf	inf	inf	91.241													
362	inf	inf	inf	inf	inf	88.346													
363	inf	inf	inf	inf	inf	89.878													
364	inf	inf	inf	inf	inf	88.587													
365	inf	inf	inf	inf	inf	87.9													
366	inf	inf	inf	inf	inf	91.241													
367	inf	inf	inf	inf	inf	88.007													
368	inf	inf	inf	inf	inf	89.714													
369	inf	inf	inf	inf	inf	91.987													
370	inf	inf	inf	inf	inf	89.257													
371	inf	inf	inf	inf	inf	88.587													
372	inf	inf	inf	inf	inf	89.878													
373	inf	inf	inf	inf	inf	92.267													
374	inf	inf	inf	inf	inf	88.23													
375	inf	inf	inf	inf	inf	88.465													
376	inf	inf	inf	inf	inf	91.987													
377	inf	inf	inf	inf	inf	89.257													
378	inf	inf	inf	inf	inf	89.404													

379	inf	inf	inf	inf	inf	89.114													
380	inf	inf	inf	inf	inf	88.23													
381	inf	inf	inf	inf	inf	90.049													
382	inf	inf	inf	inf	inf	90.604													
383	inf	inf	inf	inf	inf	90.411													
384	inf	inf	inf	inf	inf	88.465													
385	inf	inf	inf	inf	inf	92.567													
386	inf	inf	inf	inf	inf	88.346													
387	inf	inf	inf	inf	inf	88.713													
388	inf	inf	inf	inf	inf	88.587													
389	inf	inf	inf	inf	inf	91.475													
390	inf	inf	inf	inf	inf	90.604													
391	inf	inf	inf	inf	inf	93.236													
392	inf	inf	inf	inf	inf	88.843													
393	inf	inf	inf	inf	inf	86.469													
394	inf	inf	inf	inf	inf	89.556													
395	inf	inf	inf	inf	inf	86.624													
396	inf	inf	inf	inf	inf	88.587													
397	inf	inf	inf	inf	inf	88.23													
398	inf	inf	inf	inf	inf	89.257													
399	inf	inf	inf	inf	inf	91.018													
400	inf	inf	inf	inf	inf	88.843													
401	inf	inf	inf	inf	inf	89.404													
402	inf	inf	inf	inf	inf	90.806													
403	inf	inf	inf	inf	inf	90.604													
404	inf	inf	inf	inf	inf	89.257													
405	inf	inf	inf	inf	inf	87.594													
406	inf	inf	inf	inf	inf	88.117													
407	inf	inf	inf	inf	inf	88.465													
408	inf	inf	inf	inf	inf	90.806													
409	inf	inf	inf	inf	inf	87.216													
410	inf	inf	inf	inf	inf	89.878													

411	inf	inf	inf	inf	inf	87.594													
412	inf	inf	inf	inf	inf	89.714													
413	inf	inf	inf	inf	inf	89.404													
414	inf	inf	inf	inf	inf	88.977													
415	inf	inf	inf	inf	inf	90.806													
416	inf	inf	inf	inf	inf	91.475													
417	inf	inf	inf	inf	inf	87.693													
418	inf	inf	inf	inf	inf	90.226													
419	inf	inf	inf	inf	inf	91.018													
420	inf	inf	inf	inf	inf	90.226													
421	inf	inf	inf	inf	inf	89.114													
422	inf	inf	inf	inf	inf	88.465													
423	inf	inf	inf	inf	inf	87.4													
424	inf	inf	inf	inf	inf	88.713													
425	inf	inf	inf	inf	inf	92.267													
426	inf	inf	inf	inf	inf	89.714													
427	inf	inf	inf	inf	inf	87.9													
428	inf	inf	inf	inf	inf	88.465													
429	inf	inf	inf	inf	inf	87.9													
430	inf	inf	inf	inf	inf	87.693													
431	inf	inf	inf	inf	inf	89.714													
432	inf	inf	inf	inf	inf	92.889													
433	inf	inf	inf	inf	inf	90.604													
434	inf	inf	inf	inf	inf	88.713													
435	inf	inf	inf	inf	inf	90.049													
436	inf	inf	inf	inf	inf	88.587													
437	inf	inf	inf	inf	inf	88.713													
438	inf	inf	inf	inf	inf	88.23													
439	inf	inf	inf	inf	inf	88.465													
440	inf	inf	inf	inf	inf	87.9													
441	inf	inf	inf	inf	inf	89.114													
442	inf	inf	inf	inf	inf	90.411													

443	inf	inf	inf	inf	inf	90.411												
444	inf	inf	inf	inf	inf	90.049												
445	inf	inf	inf	inf	inf	87.126												
446	inf	inf	inf	inf	inf	90.049												
447	inf	inf	inf	inf	inf	88.977												
448	inf	inf	inf	inf	inf	90.806												
449	inf	inf	inf	inf	inf	88.587												
450	inf	inf	inf	inf	inf	88.23												