

LAMPIRAN 1

Tabel 1: Data *survival* penderita penyakit jantung di Worcester, Amerika Serikat

ID	<i>lenfol</i>	<i>fstat</i>	<i>age</i>	<i>gender</i>	<i>los</i>	BMIcat
1	6	1	65	0	4	0
2	6	1	72	0	4	0
3	14	1	64	1	11	1
4	44	1	71	0	3	1
5	62	1	86	1	8	2
6	89	1	87	1	3	1
7	98	1	81	1	9	1
8	104	1	85	1	4	0
9	107	1	90	0	6	1
10	114	1	80	0	7	0
11	123	1	85	0	6	2
12	128	1	70	1	7	1
13	148	1	84	1	6	1
14	182	1	60	0	5	1
15	187	1	79	1	10	2
16	189	1	76	0	5	0
17	274	1	73	0	7	0
18	274	1	86	0	5	1
19	302	1	64	1	6	0
20	363	1	91	1	5	0
21	374	1	88	1	5	1
22	451	1	83	0	4	1
23	461	1	83	1	8	1
24	492	1	83	0	11	1
25	538	1	56	0	5	1
26	774	1	54	0	4	0
27	841	1	85	1	4	1

ID	<i>lenfol</i>	<i>fstat</i>	<i>age</i>	<i>gender</i>	<i>los</i>	BMIcat
28	936	1	82	0	3	0
29	1002	1	56	1	3	0
30	1011	1	59	1	5	0
31	1048	1	48	0	5	0
32	1054	1	74	0	7	0
33	1172	1	43	1	4	0
34	1205	1	78	0	4	0
35	1278	1	57	0	5	1
36	1401	1	50	0	5	1
37	1497	1	92	0	6	1
38	1557	1	72	0	7	1
39	1577	1	32	1	3	0
40	1624	1	74	0	4	0
41	1669	1	66	0	6	0
42	1806	1	73	1	4	1
43	1836	0	43	0	5	0
44	1836	0	80	1	3	0
45	1846	0	60	1	4	0
46	1859	0	74	0	5	0
47	1860	0	72	1	7	0
48	1870	0	65	0	4	0
49	1874	1	89	1	11	1
50	1876	0	64	0	7	0
51	1879	0	52	0	7	0
52	1883	0	48	1	4	0
53	1889	0	63	0	12	1
54	1907	1	78	0	7	0
55	1912	0	73	0	3	0
56	1916	0	76	0	6	0
57	1922	0	64	0	6	0
58	1923	0	44	0	10	0
59	1929	0	51	0	3	0
60	1934	0	53	0	3	1
61	1939	0	84	1	7	1
62	1939	0	80	0	17	0
63	1969	0	56	0	16	0
64	1984	0	64	0	4	0
65	1993	0	80	0	6	0
66	2003	0	77	1	9	1
67	2012	1	82	0	14	1

ID	<i>lenfol</i>	<i>fstat</i>	<i>age</i>	<i>gender</i>	<i>los</i>	BMIcat
68	2013	0	63	0	4	0
69	2031	1	76	1	18	0
70	2052	0	62	0	5	0
71	2054	0	39	0	5	1
72	2061	0	71	0	7	0
73	2065	1	82	1	7	0
74	2072	0	81	0	5	0
75	2074	0	68	0	9	1
76	2084	0	41	0	1	0
77	2114	0	82	0	10	0
78	2124	0	45	0	5	0
79	2137	0	75	0	12	1
80	2137	0	65	0	4	0
81	2145	0	85	1	6	0
82	2157	0	62	0	4	0
83	2173	0	48	0	5	0
84	2174	0	80	1	5	1
85	2183	0	61	0	3	0
86	2190	0	61	0	16	1
87	2201	1	81	1	56	0
88	2421	1	77	0	5	0
89	2573	0	67	1	4	0
90	2574	0	58	0	10	0
91	2578	0	49	0	6	0
92	2595	0	53	1	5	0
93	2610	0	43	0	7	1
94	2613	0	69	1	8	0
95	2624	1	61	0	9	0
96	2631	0	68	0	2	0
97	2638	0	73	1	6	0
98	2641	0	39	0	5	0
99	2701	1	81	1	8	0
100	2719	0	40	0	9	1

LAMPIRAN 2

1. Menggunakan fungsi *partial likelihood* Breslow

- *Output* model regresi Cox hazard proporsional

Call:

```
coxph(formula = Surv(lenfol, fstat) ~ age + gender + los + BMICat,  
      method = "breslow")
```

```
n= 100, number of events= 51
```

	coef	exp(coef)	se(coef)	z	Pr(> z)	
age	0.03845	1.03920	0.01222	3.147	0.001650	**
gender	0.14354	1.15436	0.30519	0.470	0.638116	
los	-0.02703	0.97333	0.03023	-0.894	0.371226	
BMICat	0.90598	2.47435	0.26852	3.374	0.000741	***

```
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

	exp(coef)	exp(-coef)	lower .95	upper .95
age	1.0392	0.9623	1.0146	1.064
gender	1.1544	0.8663	0.6347	2.100
los	0.9733	1.0274	0.9173	1.033
BMICat	2.4744	0.4041	1.4618	4.188

```
Concordance= 0.716 (se = 0.043 )
```

```
Rsquare= 0.254 (max possible= 0.985 )
```

```
Likelihood ratio test= 29.33 on 4 df, p=6.703e-06
```

```
Wald test = 29.08 on 4 df, p=7.523e-06
```

```
Score (logrank) test = 32.32 on 4 df, p=1.646e-06
```

- *Output* model regresi Cox stratifikasi tanpa interaksi

Call:

```
coxph(formula = Surv(lenfol, fstat) ~ age + gender + strata(los <
      7) + BMICat, method = "breslow")
```

n= 100, number of events= 51

	coef	exp(coef)	se(coef)	z	Pr(> z)	
age	0.03873	1.03949	0.01173	3.303	0.000957	***
gender	0.19902	1.22021	0.30226	0.658	0.510245	
BMICat	1.00086	2.72061	0.26976	3.710	0.000207	***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

	exp(coef)	exp(-coef)	lower .95	upper .95
age	1.039	0.9620	1.0159	1.064
gender	1.220	0.8195	0.6748	2.207
BMICat	2.721	0.3676	1.6034	4.616

Concordance= 0.72 (se = 0.059)

Rsquare= 0.275 (max possible= 0.971)

Likelihood ratio test= 32.1 on 3 df, p=4.976e-07

Wald test = 32.51 on 3 df, p=4.079e-07

Score (logrank) test = 36.28 on 3 df, p=6.53e-08

- *Output* model regresi Cox stratifikasi interaksi

```

Call:
coxph(formula = Surv(lenfol, fstat) ~ age:strata(los < 7) + gender:strata(los <
  7) + BMicat:strata(los < 7), method = "breslow")

n= 100, number of events= 51

              coef exp(coef) se(coef)      z Pr(>|z|)
age:strata(los < 7)los < 7=FALSE  0.07418  1.07700  0.02988  2.483  0.013046 *
age:strata(los < 7)los < 7=TRUE   0.02721  1.02758  0.01319  2.063  0.039082 *
strata(los < 7)los < 7=FALSE:gender 0.02407  1.02436  0.56644  0.042  0.966111
strata(los < 7)los < 7=TRUE:gender  0.10189  1.10726  0.37536  0.271  0.786042
strata(los < 7)los < 7=FALSE:BMicat 0.95968  2.61086  0.44855  2.140  0.032392 *
strata(los < 7)los < 7=TRUE:BMicat  1.15924  3.18751  0.35058  3.307  0.000944 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

              exp(coef) exp(-coef) lower .95 upper .95
age:strata(los < 7)los < 7=FALSE  1.077  0.9285  1.0157  1.142
age:strata(los < 7)los < 7=TRUE   1.028  0.9732  1.0014  1.054
strata(los < 7)los < 7=FALSE:gender 1.024  0.9762  0.3375  3.109
strata(los < 7)los < 7=TRUE:gender  1.107  0.9031  0.5306  2.311
strata(los < 7)los < 7=FALSE:BMicat 2.611  0.3830  1.0839  6.289
strata(los < 7)los < 7=TRUE:BMicat  3.188  0.3137  1.6034  6.337

Concordance= 0.716 (se = 0.059 )
Rsquare= 0.295 (max possible= 0.971 )
Likelihood ratio test= 34.96 on 6 df, p=4.382e-06
Wald test               = 33.66 on 6 df, p=7.812e-06
Score (logrank) test = 38.76 on 6 df, p=7.971e-07

```

- *Output* model regresi Cox stratifikasi interaksi alternatif

```

Call:
coxph(formula = Surv(lenfol, fstat) ~ age + gender + BMICat +
      age * strata(los < 7) + gender * strata(los < 7) + BMICat *
      strata(los < 7), method = "breslow")

n= 100, number of events= 51

              coef      exp(coef)  se(coef)      z  Pr(>|z|)
age           0.07418    1.07700   0.02988    2.483  0.0130 *
gender        0.02407    1.02436   0.56644    0.042  0.9661
BMICat       0.95968    2.61086   0.44855    2.140  0.0324 *
age:strata(los < 7)los < 7=TRUE -0.04697    0.95412   0.03266   -1.438  0.1504
gender:strata(los < 7)los < 7=TRUE 0.07783    1.08093   0.67952    0.115  0.9088
BMICat:strata(los < 7)los < 7=TRUE 0.19956    1.22086   0.56930    0.351  0.7259
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' '

              exp(coef)  exp(-coef)  lower .95  upper .95
age           1.0770    0.9285     1.0157     1.142
gender        1.0244    0.9762     0.3375     3.109
BMICat       2.6109    0.3830     1.0839     6.289
age:strata(los < 7)los < 7=TRUE 0.9541    1.0481     0.8950     1.017
gender:strata(los < 7)los < 7=TRUE 1.0809    0.9251     0.2854     4.095
BMICat:strata(los < 7)los < 7=TRUE 1.2209    0.8191     0.4000     3.726

Concordance= 0.716 (se = 0.059 )
Rsquare= 0.295 (max possible= 0.971 )
Likelihood ratio test= 34.96 on 6 df, p=4.382e-06
Wald test               = 33.66 on 6 df, p=7.812e-06
Score (logrank) test = 38.76 on 6 df, p=7.971e-07

```

2. Menggunakan fungsi *partial likelihood* Efron

- *Output* model regresi Cox *hazard* proporsional

Call:

```
coxph(formula = Surv(lenfol, fstat) ~ age + gender + los + BMIcat,  
      method = "efron")
```

n= 100, number of events= 51

	coef	exp(coef)	se(coef)	z	Pr(> z)	
age	0.03849	1.03924	0.01222	3.150	0.001634	**
gender	0.14220	1.15280	0.30523	0.466	0.641305	
los	-0.02708	0.97328	0.03025	-0.895	0.370641	
BMIcat	0.90607	2.47458	0.26854	3.374	0.000741	***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

	exp(coef)	exp(-coef)	lower .95	upper .95
age	1.0392	0.9622	1.0146	1.064
gender	1.1528	0.8675	0.6338	2.097
los	0.9733	1.0274	0.9173	1.033
BMIcat	2.4746	0.4041	1.4619	4.189

Concordance= 0.717 (se = 0.043)

Rsquare= 0.254 (max possible= 0.985)

Likelihood ratio test= 29.34 on 4 df, p=6.672e-06

Wald test = 29.09 on 4 df, p=7.508e-06

Score (logrank) test = 32.32 on 4 df, p=1.643e-06

- *Output* model regresi Cox stratifikasi tanpa interaksi

Call:

```
coxph(formula = Surv(lenfol, fstat) ~ age + gender + strata(los <
      7) + BMICat, method = "efron")
```

n= 100, number of events= 51

	coef	exp(coef)	se(coef)	z	Pr(> z)	
age	0.03873	1.03949	0.01173	3.303	0.000957	***
gender	0.19881	1.21995	0.30225	0.658	0.510685	
BMICat	1.00046	2.71953	0.26977	3.709	0.000208	***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

	exp(coef)	exp(-coef)	lower .95	upper .95
age	1.039	0.9620	1.0159	1.064
gender	1.220	0.8197	0.6746	2.206
BMICat	2.720	0.3677	1.6027	4.614

Concordance= 0.72 (se = 0.059)

Rsquare= 0.274 (max possible= 0.971)

Likelihood ratio test= 32.09 on 3 df, p=5.016e-07

Wald test = 32.49 on 3 df, p=4.123e-07

Score (logrank) test = 36.25 on 3 df, p=6.617e-08

- *Output* model regresi Cox stratifikasi interaksi

```

Call:
coxph(formula = Surv(lenfol, fstat) ~ age:strata(los < 7) + gender:strata(los <
  7) + BMicat:strata(los < 7), method = "efron")

n= 100, number of events= 51

              coef exp(coef) se(coef)      z Pr(>|z|)
age:strata(los < 7)los < 7=FALSE  0.07418  1.07700  0.02988  2.483  0.013046 *
age:strata(los < 7)los < 7=TRUE   0.02721  1.02758  0.01318  2.064  0.039062 *
strata(los < 7)los < 7=FALSE:gender 0.02407  1.02436  0.56644  0.042  0.966111
strata(los < 7)los < 7=TRUE:gender  0.10157  1.10691  0.37534  0.271  0.786687
strata(los < 7)los < 7=FALSE:BMicat 0.95968  2.61086  0.44855  2.140  0.032392 *
strata(los < 7)los < 7=TRUE:BMicat  1.15856  3.18535  0.35061  3.304  0.000952 ***
---
Signif. Codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

              exp(coef)    exp(-coef)  lower .95  upper .95
age:strata(los < 7)los < 7=FALSE    1.077    0.9285    1.0157    1.142
age:strata(los < 7)los < 7=TRUE     1.028    0.9732    1.0014    1.054
strata(los < 7)los < 7=FALSE:gender  1.024    0.9762    0.3375    3.109
strata(los < 7)los < 7=TRUE:gender   1.107    0.9034    0.5304    2.310
strata(los < 7)los < 7=FALSE:BMicat  2.611    0.3830    1.0839    6.289
strata(los < 7)los < 7=TRUE:BMicat   3.185    0.3139    1.6022    6.333

Concordance= 0.716 (se = 0.059 )
Rsquare= 0.295 (max possible= 0.971 )
Likelihood ratio test= 34.95 on 6 df, p=4.414e-06
Wald test              = 33.64 on 6 df, p=7.891e-06
Score (logrank) test = 38.73 on 6 df, p=8.081e-07

```

- *Output* model regresi Cox stratifikasi interaksi alternatif

```

Call:
coxph(formula = Surv(lenfol, fstat) ~ age + gender + BMicat +
      age * strata(los < 7) + gender * strata(los < 7) + BMicat *
      strata(los < 7), method = "efron")

n= 100, number of events= 51

              coef exp(coef) se(coef)      z Pr(>|z|)
age           0.07418  1.07700  0.02988  2.483  0.0130 *
gender        0,02407  1.02436  0.56644  0.042  0.9661
BMicat       0.95968  2.61086  0.44855  2.140  0.0324 *
age:strata(los < 7)los < 7=TRUE -0.4697  0.95412  0.03266  -1.438  0.1504
strata(los < 7)los < 7=TRUE:gender 0.07751  1.08059  0.67951  0.114  0.9092
strata(los < 7)los < 7=TRUE:BMicat 0.19888  1.22004  0.56932  0.349  0.7268
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

              exp(coef) exp(-coef) lower .95 upper .95
age           1.0770    0.9285    1.0157    1.142
gender        1.0244    0.9762    0.3375    3.109
BMicat       2.6109    0.3830    1.0839    6.289
age:strata(los < 7)los < 7=TRUE 0.9541    1.0581    0.8950    1.017
gender:strata(los < 7)los < 7=TRUE 1.0806    0.9254    0.2853    4.093
BMicat:strata(los < 7)los < 7=TRUE 1.2200    0.8196    0.3997    3.724

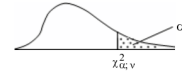
Concordance= 0.716 (se = 0.059 )
Rsquare= 0.295 (max possible= 0.971 )
Likelihood ratio test= 34.95 on 6 df, p=4.414e-06
Wald test              = 33.64 on 6 df, p=7.891e-06
Score (logrank) test = 38.73 on 6 df, p=8.081e-07

```

LAMPIRAN 3

Tabel 1: Nilai kritis distribusi *Chi – square*

Table of the Chi-square Distribution



$\alpha =$	0.995	0.99	0.98	0.975	0.95	0.90	0.80	0.70	0.60	0.50	0.40	0.30	0.20	0.10	0.05	0.025	0.01	0.005	0.001	$= \alpha$	
$\nu = 1$	0.0000393	0.000157	0.000628	0.000982	0.00393	0.0158	0.0642	1.642	2.706	3.841	5.024	6.635	7.879	10.827	13.815	16.268	18.465	20.517	24.001	$\nu = 1$	
2	0.0100	0.0201	0.0404	0.0506	0.103	0.211	0.446	3.219	4.605	5.991	7.378	8.824	9.210	10.597	11.815	13.268	14.860	16.268	18.465	20.517	2
3	0.0717	0.115	0.185	0.216	0.352	0.584	1.005	4.642	6.251	7.815	9.348	9.837	11.345	12.838	14.168	15.679	17.338	18.465	20.517	24.001	3
4	0.207	0.297	0.429	0.484	0.711	1.064	1.649	5.989	7.779	9.488	11.143	11.668	13.277	14.860	16.465	18.465	20.517	24.001	28.000	31.526	4
5	0.412	0.554	0.752	0.831	1.145	1.610	2.343	7.289	9.236	11.070	12.832	13.388	15.086	16.750	18.548	20.517	24.001	28.000	31.526	35.562	5
6	0.676	0.872	1.134	1.237	1.635	2.204	3.070	8.558	10.645	12.592	14.449	15.033	16.812	18.548	20.517	24.001	28.000	31.526	35.562	39.562	6
7	0.989	1.239	1.564	1.690	2.167	2.833	3.822	9.803	12.017	14.067	16.013	16.622	18.475	20.278	22.322	24.322	28.000	31.526	35.562	39.562	7
8	1.344	1.646	2.032	2.180	2.733	3.490	4.594	11.030	13.362	15.507	17.535	18.168	20.090	21.955	24.125	26.125	28.000	31.526	35.562	39.562	8
9	1.735	2.088	2.532	2.700	3.325	4.168	5.380	12.242	14.684	16.919	19.023	19.679	21.666	23.589	25.777	27.877	29.877	31.526	35.562	39.562	9
10	2.156	2.558	3.059	3.247	3.940	4.865	6.179	13.442	15.987	18.307	20.483	21.161	23.209	25.188	27.588	29.588	31.526	35.562	39.562	43.154	10
11	2.603	3.053	3.609	3.816	4.575	5.578	6.989	14.631	17.275	19.675	21.920	22.618	24.725	26.757	29.124	31.264	33.124	35.124	39.124	43.124	11
12	3.074	3.571	4.178	4.404	5.226	6.304	7.807	15.812	18.549	21.026	23.337	24.054	26.217	28.300	30.599	32.909	34.809	37.124	39.124	43.124	12
13	3.565	4.107	4.765	5.009	5.892	7.042	8.634	16.985	19.812	22.362	24.736	25.472	27.688	29.819	32.124	34.528	36.528	38.812	40.812	44.812	13
14	4.075	4.660	5.368	5.629	6.571	7.790	9.467	18.151	21.064	23.685	26.119	26.873	29.141	31.319	33.723	35.812	38.124	40.124	42.124	46.124	14
15	4.601	5.229	5.985	6.262	7.261	8.547	10.307	19.311	22.307	24.996	27.488	28.259	30.578	32.801	35.307	37.697	39.977	42.124	44.124	48.124	15
16	5.142	5.812	6.614	6.908	7.962	9.312	11.152	20.465	23.542	26.296	28.845	29.633	32.000	34.267	36.812	39.252	41.424	43.424	45.424	49.424	16
17	5.697	6.408	7.255	7.564	8.672	10.085	12.002	21.615	24.769	27.587	30.191	30.995	33.409	35.718	38.200	40.700	42.700	44.700	46.700	50.700	17
18	6.265	7.015	7.906	8.231	9.390	10.865	12.857	22.760	25.989	28.869	31.526	32.346	34.805	37.156	39.528	41.928	43.928	45.928	47.928	51.928	18
19	6.844	7.633	8.567	8.907	10.117	11.651	13.516	23.900	27.204	30.144	32.852	33.687	36.191	38.582	40.982	43.424	45.424	47.424	49.424	53.424	19
20	7.434	8.260	9.237	9.591	10.851	12.443	14.578	25.038	28.412	31.410	34.170	35.020	37.566	39.977	42.424	44.812	46.812	48.812	50.812	54.812	20
21	8.034	8.897	9.915	10.283	11.591	13.240	15.445	26.171	29.615	32.671	35.479	36.343	38.932	41.401	43.812	46.267	48.267	50.267	52.267	56.267	21
22	8.643	9.542	10.600	10.982	12.338	14.041	16.314	27.301	30.813	33.924	36.781	37.659	40.289	42.796	45.267	47.723	49.723	51.723	53.723	57.723	22
23	9.260	10.196	11.293	11.688	13.091	14.848	17.187	28.429	32.007	35.172	38.076	38.968	41.638	44.181	46.697	49.224	51.224	53.224	55.224	59.224	23
24	9.886	10.856	11.992	12.401	13.848	15.659	18.062	29.553	33.196	36.415	39.364	40.270	42.980	45.558	48.124	50.723	52.723	54.723	56.723	60.723	24
25	10.520	11.524	12.697	13.120	14.611	16.473	18.940	30.675	34.382	37.652	40.646	41.566	44.314	46.928	49.528	52.124	54.723	56.723	58.723	62.723	25
26	11.160	12.198	13.409	13.844	15.379	17.292	19.820	31.795	35.563	38.885	41.923	42.856	45.642	48.290	50.928	53.528	56.124	58.723	60.723	64.723	26
27	11.808	12.879	14.125	14.573	16.151	18.114	20.705	32.912	36.741	40.113	43.194	44.140	46.963	49.645	52.328	54.928	57.528	59.528	61.528	65.528	27
28	12.461	13.565	14.847	15.308	16.928	18.939	21.588	34.027	37.916	41.337	44.461	45.419	48.278	50.993	53.697	56.328	58.928	60.928	62.928	66.928	28
29	13.121	14.256	15.574	16.047	17.708	19.768	22.475	35.139	39.087	42.557	45.722	46.693	49.588	52.336	55.028	57.697	59.697	61.697	63.697	67.697	29
30	13.787	14.953	16.306	16.791	18.493	20.599	23.364	36.250	40.256	43.773	46.979	47.962	50.892	53.672	56.424	59.124	61.124	63.124	65.124	69.124	30
40	20.706	22.164	23.838	24.433	26.509	29.051	32.345	47.269	51.805	55.759	59.342	60.436	63.691	66.766	73.402	77.402	80.402	82.402	84.402	88.402	40
50	27.991	29.707	31.664	32.357	34.764	37.689	41.449	58.164	63.167	67.505	71.420	72.613	76.154	79.490	86.661	90.661	93.661	95.661	97.661	101.661	50
60	35.535	37.485	39.699	40.482	43.188	46.459	50.641	68.972	74.397	79.082	83.298	84.580	88.379	91.952	99.607	103.607	106.607	108.607	110.607	114.607	60
70	43.275	45.442	47.893	48.758	51.739	55.329	59.898	79.715	85.527	90.531	95.023	96.388	100.425	104.215	112.317	116.317	119.317	121.317	123.317	127.317	70
80	51.171	53.539	56.213	57.153	60.391	64.278	69.207	90.405	96.578	101.880	106.629	108.069	112.329	116.321	124.839	128.839	131.839	133.839	135.839	139.839	80
90	59.196	61.754	64.634	65.646	69.126	73.291	78.558	101.054	107.565	113.145	118.136	119.648	124.116	128.299	137.208	141.208	144.208	146.208	148.208	152.208	90
100	67.327	70.065	73.142	74.222	77.929	82.358	87.945	111.667	118.498	124.342	129.561	131.142	135.807	140.170	149.449	153.449	156.449	158.449	160.449	164.449	100