МИНЕСТЕРСТВО НАУКИ И ВЫСШЕГО ОБРАЗОВАНИЯ РФ

ФЕДЕРАЛЬНОЕ ГОСУДАРСТВЕННОЕ БЮДЖЕТНОЕ ОБРАЗОВАТЕЛЬНОЕ УЧРЕЖДЕНИЕ ВЫСШЕГО ОБРАЗОВАНИЯ

«ПЕНЗЕНСКИЙ ГОСУДАРСТВЕННЫЙ УНИВЕРСИТЕТ АРХИТЕКТУРЫ И СТРОИТЕЛЬСТВА»

Институт экономики и менеджмента

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РАСЧЁТНО-ГРАФИЧЕСКАЯ РАБОТА

по дисциплине «Организация и управление производственной деятельностью» на тему:

«Выбор рационального варианта организации возведения объекта недвижимости в рамках выбранной стратегии развития и производственной деятельности предприятий в строительной сфере»

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1. Исходные данные

Объект	10-ти эт. 180 кв. панельный жилой дом
Объём суммарных инвестиций K , млн. руб.	290,80
Общая трудоёмкость Q_i , челдн.	24200
Продолжительность строительного процесса $t_{ m np}$, мес	20

Нормативный срок $t_{\rm H}$ продолжительности строительства объекта

$$t_{\rm H}=t_{\rm \Pi}+t_{\rm p\Pi}+t_{\rm np},$$

где $t_{\rm n}$ – подготовительный период;

 $t_{
m p\pi}$ – период развёртывания процесса по объекту;

 $t_{\rm np}$ – период возведения здания.

$$t_{\Pi}=(0.25-0.3)t_{\Pi \mathrm{p}}=0.3\cdot 20=6$$
 мес; $t_{\mathrm{p\Pi}}=(0.1-0.15)t_{\Pi \mathrm{p}}=0.15\cdot 20=3$ мес; $t_{\mathrm{H}}=6+3+20=29$ мес.

2. Определение оптимальной продолжительности возведения здания

- 1. Расчёт 1 варианта (характер распределения вложений равномерный $\alpha_{\rm p}=0.5$; период окупаемости базовый T=6.25 лет).
 - 1.1. Расчёт снижающих затрат.

$$S_1 = \frac{\mathrm{HP_1}t_\mathrm{p}}{t_\mathrm{H}} = \frac{\alpha_1\alpha_2\alpha_3\alpha_\mathrm{H}Kt_\mathrm{p}}{t_\mathrm{H}} = \frac{0,95\cdot 0,22\cdot 0,5\cdot 1,2\cdot 290,80}{29} = 1,257,$$

где HP_1 – сумма накладных расходов, зависящих от длительности строительного процесса при его нормативной величине, руб.;

- α_1 коэффициент, показывающий долю сметной стоимости строительномонтажных работ в общих капитальных вложениях на объект;
- α_2 коэффициент, показывающий долю накладных расходов в сметной стоимости объекта;
- α_3 коэффициент, отражающий долю анализируемой части накладных расходов;
- $\alpha_{\rm u}$ коэффициент, учитывающий инфляционные процессы в строительстве;
- K объем капитальных вложений в строительство объекта, млн. руб.

Таблица 2.1.

Const	Const $t_{ m p}$, мес. $S_{ m 1}$, млн. руб	
	1	1,257
	2	2,515
	3	3,772
	4	5,030
1,257	5	6,287
	6	7,545
	7	8,802
	8	10,060
	9	11,317
	10	12,575
	11	13,832

12	15,090
13	16,347
14	17,604
15	18,862
16	20,119
17	21,377
18	22,634
19	23,892
20	25,149
21	26,407
22	27,664
23	28,922
24	30,179
25	31,436
26	32,694
27	33,951
28	35,209
 29	36,466
	C

Размер затрат в незавершенное производство S_2

$$S_2 = \frac{\alpha_{\rm p} E_{{\scriptscriptstyle H}1} \alpha_{{\scriptscriptstyle H}} K t_{\rm p}}{F_{{\scriptscriptstyle A}}} = \frac{0.5 \cdot 0.16 \cdot 290.80 \cdot 1.2}{12} = 2.326,$$

где $E_{\rm H1}$ — нормативный коэффициент эффективности капитальных вложений, равный 0,16;

 $F_{\rm д}$ — число рабочих месяцев в году;

 $\alpha_{\rm p}$ – коэффициент, характеризующий вид распределения капитальных вложений K.

Таблица 2.2.

Const	$t_{\rm p}$, мес.	S_2 , млн. руб.
	1	2,326
	2	4,653
	3	6,979
	4	9,306
	5	11,632
	6	13,958
	7	16,285
	8	18,611
	9	20,938
	10	23,264
2,326	11	25,590
	12	27,917
	13	30,243
	14	32,570
	15	34,896
	16	37,222
	17	39,549
	18	41,875
	19	44,202
	20	46,528
	21	48,854

22	51,181
23	53,507
24	55,834
25	58,160
26	60,486
27	62,813
28	65,139
29	67,466

Величина потерь народного хозяйства от неиспользования объектов, находящихся в стадии строительства, с учетом длительности возведения зданий и сооружений (S_3) рассчитывается по формуле

$$S_3 = \frac{\alpha_{\rm p} E_{{\scriptscriptstyle H}2} \alpha_{{\scriptscriptstyle H}} K t_{\rm p}}{F_{{\scriptscriptstyle A}}} = \frac{0.5 \cdot 0.25 \cdot 290.80 \cdot 1.2}{12} = 3.635,$$

где $E_{\rm H2}$ — нормативный коэффициент эффективности капитальных вложений для отрасли, эксплуатирующей здание или сооружение, равный 0,25.

Таблица 2.3.

Const	$t_{ m p}$, мес.	S_3 , млн. руб.
	1	3,635
	2	7,270
	3 4	10,905
	4	14,540
	5	18,175
	6	21,810
	7	25,445
	8	29,080
	9	32,715
	10	36,350
	11	39,985
	12	43,620
	13	47,255
	14	50,890
3,635	15	54,525
	16	58,160
	17	61,795
	18	65,430
	19	69,065
	20	72,700
	21	76,335
	22	79,970
	23	83,605
	24	87,240
	25	90,875
	26	94,510
	27	98,145
	28	101,780
	29	105,415

1.2. Расчёт возрастающих затрат.

Накладные расходы S_4 , зависящие от численности рабочих, изменяются в связи с необходимость дополнительного привлечения трудовых ресурсов:

$$S_4 = \frac{\mathrm{HP_2}t_{_\mathrm{H}}}{K_{_{\Gamma 1}}t_{_\mathrm{p}}} = \frac{\alpha_1\alpha_2\alpha_{_\mathrm{H}}\alpha_{_\mathrm{p}}'Kt_{_\mathrm{H}}}{K_{_{\Gamma 1}}t_{_\mathrm{p}}} = \frac{0.95\cdot 0.22\cdot 1.2\cdot 0.34\cdot 290.80\cdot 29}{0.87} = 826.570,$$

где HP_2 – сумма накладных расходов, зависящих от численности рабочих, руб.; α_p' – коэффициент, отражающий долю анализируемой части накладных расходов (0,3-0,35), принимаем 0,34;

 $K_{\rm r1}$ — коэффициент надежности процесса с учетом трудовых ресурсов (0,08-0,88), принимаем 0,87.

Таблица 2.4.

Const	$t_{\rm p}$, мес.	S_4 , млн. руб.
	1	826,570
	2	413,285
	3	275,523
	4	206,642
	5	165,314
	6	137,762
	7	118,081
	8	103,321
	9	91,841
	10	82,657
	11	75,143
	12	68,881
	13	63,582
	14	59,041
826,570	15	55,105
	16	51,661
	17	48,622
	18	45,921
	19	43,504
	20	41,328
	21	39,360
	22	37,571
	23	35,938
	24	34,440
	25	33,063
	26	31,791
	27	30,614
	28	29,520
	29	28,502

Заработная плата рабочих S_5 с учетом применения премиальных систем

$$S_5 = \frac{\alpha_4 \alpha_5 \alpha_{\text{H}} Q_i F_{\text{A}} C_1}{t_{\text{p}}} = 0.01 \cdot 1 \cdot 1.2 \cdot 24200 \cdot 12 \cdot 0.002 = 6.970,$$

где α_4 — коэффициент доплат к заработной плате при сокращении продолжительности строительства (0,005-0,01), принимаем 0,01;

 α_5 — коэффициент, учитывающий часть рабочих, находящихся на премиальной оплате труда, принимаем 1,00;

 Q_i – трудоемкость возведения зданий и сооружений, чел.-дн.;

 C_1 — дневная тарифная ставка среднего разряда рабочих, руб., принимаем 2000 руб.

Таблица 2.5.

Const	$t_{\rm p}$, мес.	S_5 , млн. руб.	
	1	6,970	
	2	3,485	
	3	2,323	
	3 4 5 6	1,742	
	5	1,394	
		1,162	
	7	0,996	
	8	0,871	
	9	0,774	
	10	0,697	
	11	0,634	
	12	0,581	
	13	0,536	
	14	0,498	
6,970	15	0,465	
	16	0,436	
	17	0,410	
	18	0,387	
	19	0,367	
	20	0,348	
	21	0,332	
	22	0,317	
	23	0,303	
	24	0,290	
	25	0,279	
	26	0,268	
	27	0,258	
	28	0,249	
	29	0,240	

Расходы по эксплуатации машин и механизмов S_6

$$S_6 = \sum_{i=1}^{m} \frac{V_{\rm M} \alpha_{\rm H} 3_{\rm M}}{P_i n \alpha_6 K_{\rm r2} \beta_1 t_{\rm p}} = \frac{12000 \cdot 1.2 \cdot 0.12}{300 \cdot 0.6 \cdot 0.91 \cdot 0.97} + \frac{540 \cdot 1.2 \cdot 0.2}{20 \cdot 0.6 \cdot 0.91 \cdot 0.97} + \frac{540 \cdot 1.2 \cdot 0.2}{20 \cdot 0.6 \cdot 0.91 \cdot 0.97} + \frac{540 \cdot 1.2 \cdot 0.2}{20 \cdot 0.6 \cdot 0.91 \cdot 0.97} + \frac{540 \cdot 1.2 \cdot 0.2}{20 \cdot 0.6 \cdot 0.91 \cdot 0.97} + \frac{540 \cdot 1.2 \cdot 0.2}{20 \cdot 0.6 \cdot 0.91 \cdot 0.97} + \frac{540 \cdot 1.2 \cdot 0.2}{20 \cdot 0.6 \cdot 0.91 \cdot 0.97} + \frac{540 \cdot 1.2 \cdot 0.2}{20 \cdot 0.6 \cdot 0.91 \cdot 0.97} + \frac{540 \cdot 1.2 \cdot 0.2}{20 \cdot 0.6 \cdot 0.91 \cdot 0.97} + \frac{540 \cdot 1.2 \cdot 0.2}{20 \cdot 0.6 \cdot 0.91 \cdot 0.97} + \frac{540 \cdot 1.2 \cdot 0.2}{20 \cdot 0.6 \cdot 0.91 \cdot 0.97} + \frac{540 \cdot 1.2 \cdot 0.2}{20 \cdot 0.6 \cdot 0.91 \cdot 0.97} + \frac{540 \cdot 1.2 \cdot 0.2}{20 \cdot 0.6 \cdot 0.91 \cdot 0.97} + \frac{540 \cdot 1.2 \cdot 0.2}{20 \cdot 0.6 \cdot 0.91 \cdot 0.97} + \frac{540 \cdot 1.2 \cdot 0.2}{20 \cdot 0.6 \cdot 0.91 \cdot 0.97} + \frac{540 \cdot 1.2 \cdot 0.2}{20 \cdot 0.6 \cdot 0.91 \cdot 0.97} + \frac{540 \cdot 1.2 \cdot 0.2}{20 \cdot 0.6 \cdot 0.91 \cdot 0.97} + \frac{540 \cdot 1.2 \cdot 0.2}{20 \cdot 0.6 \cdot 0.91 \cdot 0.97} + \frac{540 \cdot 1.2 \cdot 0.2}{20 \cdot 0.6 \cdot 0.91 \cdot 0.97} + \frac{540 \cdot 1.2 \cdot 0.2}{20 \cdot 0.6 \cdot 0.91 \cdot 0.97} + \frac{540 \cdot 1.2 \cdot 0.2}{20 \cdot 0.6 \cdot 0.91 \cdot 0.97} + \frac{540 \cdot 1.2 \cdot 0.2}{20 \cdot 0.6 \cdot 0.91 \cdot 0.97} + \frac{540 \cdot 1.2 \cdot 0.2}{20 \cdot 0.6 \cdot 0.91 \cdot 0.97} + \frac{540 \cdot 1.2 \cdot 0.2}{20 \cdot 0.6 \cdot 0.91} + \frac{540 \cdot 0.2}{20 \cdot 0.91} + \frac{540 \cdot 0.2}{20 \cdot 0.91} + \frac{540 \cdot 0.2}{20 \cdot 0.91} + \frac{540 \cdot 0.2}$$

$$+\frac{3600 \cdot 1,2 \cdot 0,15}{500 \cdot 0,6 \cdot 0,91 \cdot 0,97} = 25,558,$$

где $V_{\rm M}$ — объем строительных механизированных работ в физических единицах (${\rm M}^3$);

 $3_{\rm M}$ – затраты на строительные механизированные работы, млн. руб./см.;

 P_i – производительность *i*-й машины (дневная), м³;

n – число смен работы i-й машины;

 α_6 — интегральный коэффициент использования *i*-й машины во времени и по производительности, принимаем 0,6;

m – число видов механизированных работ;

 K_{r2} — коэффициент надежности работы строительных машин (0,90-0,91, принимаем 0,9);

 β_1 — коэффициент, учитывающий увеличение единовременных затрат на транспорте средства при более интенсивном потреблении материалов и изделий, принимаем 0,97.

Таблица 2.6.

Const	<i>t</i> _p , мес.	<i>S</i> ₆ , млн. руб.
	1	25,558
	2	12,779
	2 3 4 5	8,519
	4	6,389
	5	5,112
	6	4,260
	7	3,651
	8	3,195
	9	2,840
	10	2,556
	11	2,323
	12	2,130
	13	1,966
	14	1,826
25,558	15	1,704
	16	1,597
	17	1,503
	18	1,420
	19	1,345
	20	1,278
	21	1,217
	22	1,162
	23	1,111
	23 24	1,065
	25	1,022
	26	0,983
	27	0,947
	28	0,913
	29	0,881

Затраты на строительство временных зданий и сооружений S_7 для обслуживания дополнительного числа рабочих:

$$S_7 = \frac{3_2 Q_i \alpha_{_{\mathrm{H}}}}{\alpha_7 n t_{_{\mathrm{p}}}} = \frac{0.03 \cdot 24200 \cdot 1.2}{1.18 \cdot 1} = 738.305,$$

где 3_2 — затраты на материалы к сборно-разборным зданиям, тыс. руб./чел., чел., принимаем 0.03 млн. руб./чел.;

 α_7 — коэффициент, учитывающий неоднородность работ и различную загрузку рабочих по сменам (1,15-1,20), принимаем 1,18;

n – число смен работы на объекте, принимаем 1.

Таблица 2.7.

Const	$t_{\rm p}$, мес.	S_7 , млн. руб.
	1	738,305
	2	369,153
	3	246,102
	4	184,576
	5	147,661
	6	123,051
	7	105,472
	8	92,288
	9	82,034
	10	73,831
	11	67,119
	12	61,525
	13	56,793
	14	52,736
738,305	15	49,220
	16	46,144
	17	43,430
	18	41,017
	19	38,858
	20	36,915
	21	35,157
	22	33,559
	23	32,100
	24	30,763
	25	29,532
	26	28,396
	27	27,345
	28	26,368
	29	25,459

Капитальные вложения в смежные отрасли:

– в промышленность строительных материалов

$$S_8 = rac{KF_{
m d}lpha_{
m H}}{t_{
m p}10^3K_{
m r3}lpha_8} \sum_{i=1}^n K_{
m ydi}'V_i'E_{
m H}',$$

где K_{r3} — коэффициент, учитывающий надежность материально-технического снабжения, равный 0.75;

 α_8 — коэффициент, учитывающий равномерность использования ресурсов, принимаем $\alpha_8 = 0.5$;

 $K'_{{\rm y}{\it d}i}$ — удельные капитальные вложения на производство единицы i-го вида продуктов, руб./т;

 V_i' – объем i-го вида, материала, изделия конструкции на 1 млн. руб. строительномонтажных работ по отрасли;

 $E'_{{
m H}i}$ — коэффициент экономической эффективности отрасли, выпускающей i-ю продукцию.

$$const_{1} = \frac{KF_{\mu}\alpha_{\mu}}{10^{3}K_{\Gamma3}\alpha_{8}} = \frac{290,80 \cdot 12 \cdot 1,2}{10^{3} \cdot 0,75 \cdot 0,5} = 11,167;$$

$$const_{2} = \sum_{i=1}^{n} K'_{y\mu i}V'_{i}E'_{Hi} = \frac{60,6 \cdot 2300000 \cdot 0,16}{10^{6}} + \frac{285 \cdot 75000 \cdot 0,16}{10^{6}} = 25,721;$$

Таблица 2.8.

Const ₁	Const ₂	$t_{ m p}$, мес.	<i>S</i> ₈ , млн. руб.
		1	287,217
		2	143,608
		3	95,739
		4	71,804
		5	57,443
		6	47,869
		7	41,031
		8	35,902
		9	31,913
		10	28,722
		11	26,111
		12	23,935
		13	22,094
		14	20,515
11,167	25,721	15	19,148
		16	17,951
		17	16,895
		18	15,956
		19	15,117
		20	14,361
		21	13,677
		22	13,055
		23	12,488
		24	11,967
		25	11,489
		26	11,047
		27	10,638
		28	10,258
		29	9,904

– в производство металлоконструкций:

$$S_9 = \frac{KF_{\mu}\alpha_{\mu}}{t_{p}10^3 K_{r3}\alpha_{8}} \sum_{i=1}^{n} K''_{y\mu}V''_{i}E''_{Hi}.$$

$$const_2 = \sum_{i=1}^{n} K''_{y\mu}V''_{i}E''_{Hi} = \frac{243 \cdot 80000 \cdot 0,16}{10^6} = 3,11;$$

Таблица 2.9.

Const ₁	Const ₂	$t_{ m p}$, мес.	<i>S</i> ₉ , млн. руб.
		1	34,733
		2	17,366
		3	11,578
		4	8,683
		5	6,947
		6	5,789
		7	4,962
		8	4,342
		9	3,859
		10	3,473
		11	3,158
		12	2,894
		13	2,672
		14	2,481
11,167	3,11	15	2,316
		16	2,171
		17	2,043
		18	1,930
		19	1,828
		20	1,737
		21	1,654
		22	1,579
		23	1,510
		24	1,447
		25	1,389
		26	1,336
		27	1,286
		28	1,240
		29	1,198

– в машиностроение:

$$S_{10} = \frac{KF_{\mu}\alpha_{\mu}}{t_{p}10^{3}K_{\Gamma3}\alpha_{8}} \sum_{i=1}^{n} K'''_{y\mu i}V'''_{i}E'''_{Hi}.$$

$$const_{2} = \sum_{i=1}^{n} K'''_{y\mu i}V'''_{i}E'''_{Hi} = \frac{1574 \cdot 30000 \cdot 0,16}{10^{6}} = 7,555;$$

Таблица 2.10.

Const ₁	Const ₂	$t_{ m p}$, мес.	S_{10} , млн. руб.
		1	84,367
		2	42,183
		3	28,122
		4	21,092
11,167	7,555	5	16,873
		6	14,061
		7	12,052
		8	10,546
		9	9,374

10	8,437
11	7,670
12	7,031
13	6,490
14	6,026
15	5,624
16	5,273
17	4,963
18	4,687
19	4,440
20	4,218
21	4,017
22	3,835
23	3,668
24	3,515
25	3,375
26	3,245
27	3,125
28	3,013
29	2,909

Анализируя совместно все изменяющие затраты и величину эффекта от сокращения длительности процесса, можно определить для каждого значения суммарное значение сельскохозяйственных затрат $S_{\text{общ}_i}$, минимальная величина которых соответствует оптимальной (рациональной) для данных условий длительности функционирования процесса.

$$S_{\text{общ}_i} = \sum_{i=1}^{10} S_i.$$

Таблица 2.11.

t_{p} ,	S_1	S_2	S_3	S_4	S_5	S_6	S_7	S_8	S_9	S_{10}	$S_{ m o f m}$
мес.						млн. ру	<i>7</i> б.				
1	1,257	2,326	3,635	826,570	6,970	25,558	738,305	287,217	34,733	84,367	2010,938
2	2,515	4,653	7,270	413,285	3,485	12,779	369,153	143,608	17,366	42,183	1016,297
3	3,772	6,979	10,905	275,523	2,323	8,519	246,102	95,739	11,578	28,122	689,563
4	5,030	9,306	14,540	206,642	1,742	6,389	184,576	71,804	8,683	21,092	529,805
5	6,287	11,632	18,175	165,314	1,394	5,112	147,661	57,443	6,947	16,873	436,838
6	7,545	13,958	21,810	137,762	1,162	4,260	123,051	47,869	5,789	14,061	377,266
7	8,802	16,285	25,445	118,081	0,996	3,651	105,472	41,031	4,962	12,052	336,778
8	10,060	18,611	29,080	103,321	0,871	3,195	92,288	35,902	4,342	10,546	308,216
9	11,317	20,938	32,715	91,841	0,774	2,840	82,034	31,913	3,859	9,374	287,605
10	12,575	23,264	36,350	82,657	0,697	2,556	73,831	28,722	3,473	8,437	272,561
11	13,832	25,590	39,985	75,143	0,634	2,323	67,119	26,111	3,158	7,670	261,564
12	15,090	27,917	43,620	68,881	0,581	2,130	61,525	23,935	2,894	7,031	253,603
13	16,347	30,243	47,255	63,582	0,536	1,966	56,793	22,094	2,672	6,490	247,977
14	17,604	32,570	50,890	59,041	0,498	1,826	52,736	20,515	2,481	6,026	244,187
15	18,862	34,896	54,525	55,105	0,465	1,704	49,220	19,148	2,316	5,624	241,864
16	20,119	37,222	58,160	51,661	0,436	1,597	46,144	17,951	2,171	5,273	240,734
17	21,377	39,549	61,795	48,622	0,410	1,503	43,430	16,895	2,043	4,963	240,586
18	22,634	41,875	65,430	45,921	0,387	1,420	41,017	15,956	1,930	4,687	241,257
19	23,892	44,202	69,065	43,504	0,367	1,345	38,858	15,117	1,828	4,440	242,617

20	25,149	46,528	72,700	41,328	0,348	1,278	36,915	14,361	1,737	4,218	244,563
21	26,407	48,854	76,335	39,360	0,332	1,217	35,157	13,677	1,654	4,017	247,011
22	27,664	51,181	79,970	37,571	0,317	1,162	33,559	13,055	1,579	3,835	249,893
23	28,922	53,507	83,605	35,938	0,303	1,111	32,100	12,488	1,510	3,668	253,152
24	30,179	55,834	87,240	34,440	0,290	1,065	30,763	11,967	1,447	3,515	256,741
25	31,436	58,160	90,875	33,063	0,279	1,022	29,532	11,489	1,389	3,375	260,620
26	32,694	60,486	94,510	31,791	0,268	0,983	28,396	11,047	1,336	3,245	264,756
27	33,951	62,813	98,145	30,614	0,258	0,947	27,345	10,638	1,286	3,125	269,121
28	35,209	65,139	101,780	29,520	0,249	0,913	26,368	10,258	1,240	3,013	273,689
29	36,466	67,466	105,415	28,502	0,240	0,881	25,459	9,904	1,198	2,909	278,441

Выделенные строки содержат информацию об оптимальном варианте инвестирования при данном распределении капитальных вложений и при определенной норме доходности. В варианте B-1 ($T_{\rm ok}=6,25$ лет, $\alpha_{\rm p}=0,5$) минимальные затраты на строительство — 240,586 млн. руб. обеспечиваются при сроке строительства 17 месяцев. Это и есть оптимальный срок строительства для B-1.

На примере данных таблицы построим графики, изображающие изменение затрат во времени, построим кривую общих затрат и графически определим рациональный вариант возведения объекта и использования инвестиций.

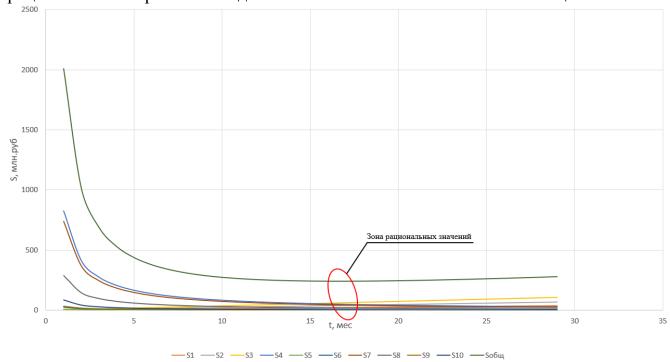


Рис. 1. Определение рационального варианта возведения объекта и использования капитальных вложений для В-1.

3. Расчёт эффекта по основным участникам инвестиционного процесса

В сводной таблице 3.1 представлено сравнение оптимальных вариантов инвестирования с базовым. На основе анализа полученных данных определим наилучший вариант инвестирования для генерального подрядчика.

Таблица 3.1.

№ T_{OK} α t_p S_{OSM} t_{633} S_{633} Δt ΔS Примечание 1 2 3 4 5 6 7 8 9 10 B-1 6,25 0,5 17 240,586 29 2601,742 12 2361,156 B-2 6,25 0,25 0,22 23 170,885 29 2601,742 7 241,724 4 B-4 6,25 0,25 15 2651,114 29 2601,742 14 2330,011 B-5 6,25 0,667 15 271,731 29 2601,742 14 2330,628 B-7 6,25 0,667 15 2561,114 29 2601,742 14 2330,628 B-8 6,25 0,8 14 294,263 29 2601,742 19 2209,327 B-9 2 0,5 10 392,415 29 2601,742 19 2			1	1	1			ı		Г
B-1 2 3 4 5 6 7 8 9 10 B-1 6,25 0,5 17 240,586 29 2601,742 12 2361,156 B-3 6,25 0,25 22 184,318 29 2601,742 7 2417,424 B-4 6,25 0,25 22 184,318 29 2601,742 7 2417,424 B-5 6,25 0,667 15 271,731 29 2601,742 14 2330,011 B-6 6,25 0,665 15 265,114 29 2601,742 14 2336,628 B-7 6,25 0,655 14 285,917 29 2601,742 15 2315,825 B-8 6,25 0,8 14 294,263 29 2601,742 15 2307,439 B-10 2 0,5 10 392,415 29 2601,742 19 220,337 B-11 2 0,25<	№	$T_{\text{ок}}$		$t_{ m p}$	$S_{ m oбщ}$		$S_{ m 6a3}$	Δt	ΔS	Примечание
B-2 6,25 0,333 20 204,026 29 2601,742 9 2397,716 B-3 6,25 0,25 22 184,318 29 2601,742 7 2417,424 B-4 6,25 0,22 23 170,885 29 2601,742 14 2330,011 B-5 6,25 0,667 15 271,731 29 2601,742 14 2330,011 B-6 6,25 0,625 15 265,114 29 2601,742 15 235,628 B-7 6,25 0,8 14 294,263 29 2601,742 15 230,479 B-9 2 0,5 10 392,415 29 2601,742 18 2300,439 B-10 2 0,333 11 301,303 29 2601,742 18 2300,439 B-11 2 0,667 10 480,966 29 2601,742 16 2377,198 B-13 2 <td< td=""><td></td><td></td><td></td><td></td><td>5</td><td></td><td>•</td><td>1</td><td></td><td>10</td></td<>					5		•	1		10
B-3 6,25 0,25 22 184,318 29 2601,742 7 2417,424 B-4 6,25 0,667 15 271,731 29 2601,742 14 2330,611 B-5 6,25 0,667 15 271,731 29 2601,742 14 2330,011 B-6 6,25 0,625 15 265,114 29 2601,742 14 2336,628 B-7 6,25 0,75 14 285,917 29 2601,742 15 2315,825 B-8 6,25 0,8 14 294,263 29 2601,742 15 2307,479 B-9 2 0,5 10 392,415 29 2601,742 19 220,327 B-10 2 0,333 11 301,303 29 2601,742 19 2347,678 B-12 0,2 13 224,544 29 2601,742 19 2120,776 B-13 2 0,625										
B-4 6,25 0,2 23 170,885 29 2601,742 6 2430,857 B-5 6,25 0,667 15 271,731 29 2601,742 14 2330,011 B-6 6,25 0,625 15 265,114 29 2601,742 14 2336,628 B-7 6,25 0,75 14 285,917 29 2601,742 15 2315,825 B-8 6,25 0,8 14 294,263 29 2601,742 15 2307,479 B-9 2 0,5 10 392,415 29 2601,742 19 2209,327 B-10 2 0,333 11 301,303 29 2601,742 19 220,478 B-12 2 0,2 13 224,544 29 2601,742 16 2377,198 B-13 2 0,67 10 480,966 29 2601,742 19 2120,776 B-13 0 0,5	-				· · · · · · · · · · · · · · · · · · ·		·			
B-5 6,25 0,667 15 271,731 29 2601,742 14 2330,011 B-6 6,25 0,625 15 265,114 29 2601,742 14 2336,628 B-7 6,25 0,75 14 285,917 29 2601,742 15 2315,825 B-8 6,25 0,8 14 294,263 29 2601,742 15 2307,479 B-9 2 0,5 10 392,415 29 2601,742 19 2209,327 B-10 2 0,333 11 301,303 29 2601,742 19 2209,327 B-11 2 0,25 12 254,064 29 2601,742 17 2347,678 B-12 2 0,25 10 480,966 29 2601,742 19 2143,046 B-15 2 0,625 10 458,696 29 2601,742 20 2076,871 B-15 2 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>										
B-6 6,25 0,625 15 265,114 29 2601,742 14 2336,628 B-7 6,25 0,75 14 285,917 29 2601,742 15 2315,825 B-8 6,25 0,8 14 294,263 29 2601,742 15 2307,479 B-9 2 0,5 10 392,415 29 2601,742 19 2209,327 B-10 2 0,333 11 301,303 29 2601,742 18 2300,439 B-11 2 0,25 12 254,064 29 2601,742 16 2377,198 B-12 2 0,667 10 480,966 29 2601,742 19 2143,046 B-15 2 0,655 10 458,696 29 2601,742 20 2076,871 B-16 2 0,8 9 550,646 29 2601,742 17 2275,014 B-18 3 0,55							·			
B-7 6,25 0,75 14 285,917 29 2601,742 15 2315,825 B-8 6,25 0,8 14 294,263 29 2601,742 15 2307,479 B-9 2 0,5 10 392,415 29 2601,742 19 2209,327 B-10 2 0,333 11 301,303 29 2601,742 17 2347,678 B-11 2 0,25 12 254,064 29 2601,742 16 2377,198 B-13 2 0,667 10 480,966 29 2601,742 19 2120,776 B-14 2 0,625 10 458,696 29 2601,742 20 2076,871 B-15 2 0,75 9 524,871 29 2601,742 20 2051,096 B-16 2 0,8 9 550,646 29 2601,742 17 2275,014 B-18 3 0,25 <td>B-5</td> <td></td> <td>0,667</td> <td></td> <td>271,731</td> <td></td> <td>2601,742</td> <td>14</td> <td>2330,011</td> <td></td>	B-5		0,667		271,731		2601,742	14	2330,011	
B-8 6,25 0,8 14 294,263 29 2601,742 15 2307,479 B-9 2 0,5 10 392,415 29 2601,742 19 2209,327 B-10 2 0,333 11 301,303 29 2601,742 18 2300,439 B-11 2 0,25 12 254,064 29 2601,742 16 2377,198 B-13 2 0,667 10 480,966 29 2601,742 19 2120,776 B-14 2 0,625 10 458,696 29 2601,742 19 2143,046 B-15 2 0,75 9 524,871 29 2601,742 20 2051,096 B-18 3 0,333 14 252,845 29 2601,742 17 2275,014 B-19 3 0,25 15 214,889 29 2601,742 17 2275,014 B-20 3 0,2 <td></td> <td></td> <td>,</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2336,628</td> <td></td>			,						2336,628	
B-9 2 0,5 10 392,415 29 2601,742 19 2209,327 B-10 2 0,333 11 301,303 29 2601,742 18 2300,439 B-11 2 0,25 12 254,064 29 2601,742 16 2377,198 B-13 2 0,667 10 480,966 29 2601,742 19 2120,776 B-14 2 0,625 10 458,696 29 2601,742 19 2143,046 B-15 2 0,75 9 524,871 29 2601,742 20 2076,871 B-16 2 0,8 9 550,646 29 2601,742 20 2051,096 ΔS → min, Δt → max, ontrumanshibi B-18 3 0,333 14 252,845 29 2601,742 17 2275,014 B-19 3 0,25 15 214,889 29 2601,742 14 2386,853 <td< td=""><td>-</td><td></td><td></td><td></td><td>285,917</td><td></td><td>2601,742</td><td>15</td><td>2315,825</td><td></td></td<>	-				285,917		2601,742	15	2315,825	
B-10 2 0,333 11 301,303 29 2601,742 18 2300,439 B-11 2 0,25 12 254,064 29 2601,742 17 2347,678 B-12 2 0,26 10 480,966 29 2601,742 19 2120,776 B-14 2 0,625 10 458,696 29 2601,742 19 2120,776 B-15 2 0,75 9 524,871 29 2601,742 20 2076,871 B-16 2 0,8 9 550,646 29 2601,742 20 2051,096 B-18 3 0,333 14 252,845 29 2601,742 17 2275,014 B-19 3 0,25 15 214,889 29 2601,742 12 2348,897 B-20 3 0,2 16 191,373 29 2601,742 13 241,369 B-21 3 0,667	B-8		0,8	14	294,263		2601,742	15		
B-11 2 0,25 12 254,064 29 2601,742 17 2347,678 B-12 2 0,2 13 224,544 29 2601,742 16 2377,198 B-13 2 0,667 10 480,966 29 2601,742 19 2120,776 B-14 2 0,625 10 458,696 29 2601,742 19 2143,046 B-15 2 0,75 9 524,871 29 2601,742 20 2076,871 B-16 2 0,8 9 550,646 29 2601,742 20 2051,096 $\Delta S \rightarrow min$, $\Delta t \rightarrow max$, oiltimanibili χ_{JJR} 33 aska34uka B-18 3 0,333 14 252,845 29 2601,742 17 2275,014 B-19 3 0,25 15 214,889 29 2601,742 14 2386,853 B-20 3 0,2 16 191,373 29 2601,742 13 2410,369										
B-12 2 0,2 13 224,544 29 2601,742 16 2377,198 B-13 2 0,667 10 480,966 29 2601,742 19 2120,776 B-14 2 0,625 10 458,696 29 2601,742 19 2143,046 B-15 2 0,75 9 524,871 29 2601,742 20 2076,871 B-16 2 0,8 9 550,646 29 2601,742 20 2051,096 At → max, ontrumaльный для заказчика B-18 3 0,333 14 252,845 29 2601,742 17 2275,014 B-19 3 0,25 15 214,889 29 2601,742 15 2348,897 B-20 3 0,2 16 191,373 29 2601,742 13 2410,369 B-21 3 0,667 12 398,580 29 2601,742 17 2203,162 <	B-10		0,333	11	301,303		2601,742	18	2300,439	
B-13 2 0,667 10 480,966 29 2601,742 19 2120,776 B-14 2 0,625 10 458,696 29 2601,742 19 2143,046 B-15 2 0,75 9 524,871 29 2601,742 20 2076,871 B-16 2 0,8 9 550,646 29 2601,742 20 2051,096 ОПТИМАЛЬНЫЙ ДЛЯ ЗАКАЗЧИКА B-17 3 0,5 12 326,728 29 2601,742 17 2275,014 B-18 3 0,333 14 252,845 29 2601,742 15 2348,897 B-19 3 0,25 15 214,889 29 2601,742 14 2386,853 B-20 3 0,2 16 191,373 29 2601,742 17 2203,162 B-21 3 0,625 12 398,580 29 2601,742 17 2221,233 B-23 <td>B-11</td> <td></td> <td></td> <td>12</td> <td>254,064</td> <td></td> <td>2601,742</td> <td>17</td> <td>2347,678</td> <td></td>	B-11			12	254,064		2601,742	17	2347,678	
B-14 2 0,625 10 458,696 29 2601,742 19 2143,046 B-15 2 0,75 9 524,871 29 2601,742 20 2076,871 B-16 2 0,8 9 550,646 29 2601,742 20 2051,096 ΔS → min, Δt → max, оптимальный для заказчика B-17 3 0,5 12 326,728 29 2601,742 17 2275,014 B-18 3 0,333 14 252,845 29 2601,742 15 2348,897 B-19 3 0,25 15 214,889 29 2601,742 14 2386,853 B-20 3 0,6 12 398,580 29 2601,742 17 2203,162 B-21 3 0,625 12 380,509 29 2601,742 17 2221,233 B-22 3 0,625 12 380,509 29 2601,742 18 2146,573	B-12		0,2	13	224,544	29	2601,742	16	2377,198	
B-15 2 0,75 9 524,871 29 2601,742 20 2076,871 B-16 2 0,8 9 550,646 29 2601,742 20 2051,096 ДС → тах, оптимальный для заказчика B-17 3 0,5 12 326,728 29 2601,742 17 2275,014 B-18 3 0,333 14 252,845 29 2601,742 15 2348,897 B-19 3 0,25 15 214,889 29 2601,742 14 2386,853 B-20 3 0,2 16 191,373 29 2601,742 13 2410,369 B-21 3 0,667 12 398,580 29 2601,742 17 2203,162 B-22 3 0,625 12 380,509 29 2601,742 17 2221,233 B-23 3 0,75 11 434,133 29 2601,742 18 2146,573 <td< td=""><td>B-13</td><td>2</td><td>0,667</td><td>10</td><td>480,966</td><td>29</td><td>2601,742</td><td>19</td><td>2120,776</td><td></td></td<>	B-13	2	0,667	10	480,966	29	2601,742	19	2120,776	
B-16 2 0,8 9 550,646 29 2601,742 20 2051,096 ДS → min, Δt → max, оптимальный для заказчика B-17 3 0,5 12 326,728 29 2601,742 17 2275,014 B-18 3 0,333 14 252,845 29 2601,742 15 2348,897 B-19 3 0,25 15 214,889 29 2601,742 14 2386,853 B-20 3 0,2 16 191,373 29 2601,742 17 2203,162 B-21 3 0,667 12 398,580 29 2601,742 17 2203,162 B-22 3 0,625 12 380,509 29 2601,742 17 2221,233 B-23 3 0,75 11 434,133 29 2601,742 18 2146,573 B-24 3 0,8 11 455,169 29 2601,742 18 2146,573	B-14		0,625	10	458,696	29	2601,742	19	2143,046	
B-16 2 0,8 9 550,646 29 2601,742 20 2051,096 ∆t → max, оптимальный для заказчика B-17 3 0,5 12 326,728 29 2601,742 17 2275,014 B-18 3 0,333 14 252,845 29 2601,742 15 2348,897 B-19 3 0,25 15 214,889 29 2601,742 14 2386,853 B-20 3 0,2 16 191,373 29 2601,742 13 2410,369 B-21 3 0,667 12 398,580 29 2601,742 17 2221,333 B-22 3 0,625 12 380,509 29 2601,742 17 2221,233 B-23 3 0,75 11 434,133 29 2601,742 18 2146,573 B-24 3 0,8 11 455,169 29 2601,742 18 2146,573 <td< td=""><td>B-15</td><td>2</td><td>0,75</td><td>9</td><td>524,871</td><td>29</td><td>2601,742</td><td>20</td><td>2076,871</td><td></td></td<>	B-15	2	0,75	9	524,871	29	2601,742	20	2076,871	
B-16 2 0,8 9 550,646 29 2601,742 20 2051,096 оптимальный для заказчика B-17 3 0,5 12 326,728 29 2601,742 17 2275,014 B-18 3 0,333 14 252,845 29 2601,742 15 2348,897 B-19 3 0,25 15 214,889 29 2601,742 14 2386,853 B-20 3 0,2 16 191,373 29 2601,742 17 2203,162 B-21 3 0,667 12 398,580 29 2601,742 17 2221,233 B-22 3 0,625 12 380,509 29 2601,742 17 2221,233 B-23 3 0,75 11 434,133 29 2601,742 18 2146,573 B-24 3 0,8 11 455,169 29 2601,742 18 2146,573 B-25 4 0,5 14 288,150 29 2601,742 15 2313,592<										$\Delta S \rightarrow min$,
B-17 3 0,5 12 326,728 29 2601,742 17 2275,014 B-18 3 0,333 14 252,845 29 2601,742 15 2348,897 B-19 3 0,25 15 214,889 29 2601,742 14 2386,853 B-20 3 0,2 16 191,373 29 2601,742 17 2203,162 B-21 3 0,667 12 398,580 29 2601,742 17 2203,162 B-22 3 0,625 12 380,509 29 2601,742 17 2221,233 B-23 3 0,75 11 434,133 29 2601,742 18 2167,609 B-24 3 0,8 11 455,169 29 2601,742 18 2146,573 B-25 4 0,5 14 288,150 29 2601,742 14 2376,910 B-27 4 0,25	D 16	2	0.8	0	550 646	20	2601 742	20	2051 006	$\Delta t \rightarrow max$,
B-17 3 0,5 12 326,728 29 2601,742 17 2275,014 B-18 3 0,333 14 252,845 29 2601,742 15 2348,897 B-19 3 0,25 15 214,889 29 2601,742 14 2386,853 B-20 3 0,2 16 191,373 29 2601,742 17 2203,162 B-21 3 0,667 12 398,580 29 2601,742 17 2203,162 B-22 3 0,625 12 380,509 29 2601,742 17 2221,233 B-23 3 0,75 11 434,133 29 2601,742 18 2146,573 B-24 3 0,8 11 455,169 29 2601,742 18 2146,573 B-25 4 0,5 14 288,150 29 2601,742 15 2313,592 B-26 4 0,333	D-10	2	0,8	9	330,040	29	2001,742	20	2031,090	оптимальный
B-18 3 0,333 14 252,845 29 2601,742 15 2348,897 B-19 3 0,25 15 214,889 29 2601,742 14 2386,853 B-20 3 0,2 16 191,373 29 2601,742 13 2410,369 B-21 3 0,667 12 398,580 29 2601,742 17 2203,162 B-22 3 0,625 12 380,509 29 2601,742 17 2221,233 B-23 3 0,75 11 434,133 29 2601,742 18 2167,609 B-24 3 0,8 11 455,169 29 2601,742 18 2146,573 B-25 4 0,5 14 288,150 29 2601,742 15 2313,592 B-26 4 0,333 15 224,832 29 2601,742 14 2376,910 B-27 4 0,25										для заказчика
B-19 3 0,25 15 214,889 29 2601,742 14 2386,853 B-20 3 0,2 16 191,373 29 2601,742 13 2410,369 B-21 3 0,667 12 398,580 29 2601,742 17 2203,162 B-22 3 0,625 12 380,509 29 2601,742 17 2221,233 B-23 3 0,75 11 434,133 29 2601,742 18 2167,609 B-24 3 0,8 11 455,169 29 2601,742 18 2146,573 B-25 4 0,5 14 288,150 29 2601,742 15 2313,592 B-26 4 0,333 15 224,832 29 2601,742 14 2376,910 B-27 4 0,25 16 192,387 29 2601,742 13 2409,355 B-28 4 0,667	B-17	3	0,5	12	326,728	29	2601,742	17	2275,014	
B-20 3 0,2 16 191,373 29 2601,742 13 2410,369 B-21 3 0,667 12 398,580 29 2601,742 17 2203,162 B-22 3 0,625 12 380,509 29 2601,742 17 2221,233 B-23 3 0,75 11 434,133 29 2601,742 18 2167,609 B-24 3 0,8 11 455,169 29 2601,742 18 2146,573 B-25 4 0,5 14 288,150 29 2601,742 15 2313,592 B-26 4 0,333 15 224,832 29 2601,742 14 2376,910 B-27 4 0,25 16 192,387 29 2601,742 13 2409,355 B-28 4 0,2 17 172,304 29 2601,742 16 2251,511 B-30 4 0,625	B-18	3	0,333	14	252,845	29	2601,742	15	2348,897	
B-21 3 0,667 12 398,580 29 2601,742 17 2203,162 B-22 3 0,625 12 380,509 29 2601,742 17 2221,233 B-23 3 0,75 11 434,133 29 2601,742 18 2167,609 B-24 3 0,8 11 455,169 29 2601,742 18 2146,573 B-25 4 0,5 14 288,150 29 2601,742 15 2313,592 B-26 4 0,333 15 224,832 29 2601,742 14 2376,910 B-27 4 0,25 16 192,387 29 2601,742 13 2409,355 B-28 4 0,2 17 172,304 29 2601,742 12 2429,438 B-29 4 0,667 13 350,231 29 2601,742 16 2251,511 B-30 4 0,625	B-19	3	0,25	15	214,889	29	2601,742	14	2386,853	
B-22 3 0,625 12 380,509 29 2601,742 17 2221,233 B-23 3 0,75 11 434,133 29 2601,742 18 2167,609 B-24 3 0,8 11 455,169 29 2601,742 18 2146,573 B-25 4 0,5 14 288,150 29 2601,742 15 2313,592 B-26 4 0,333 15 224,832 29 2601,742 14 2376,910 B-27 4 0,25 16 192,387 29 2601,742 13 2409,355 B-28 4 0,2 17 172,304 29 2601,742 12 2429,438 B-29 4 0,667 13 350,231 29 2601,742 16 2251,511 B-30 4 0,625 13 334,846 29 2601,742 16 2221,111 B-32 4 0,8	B-20	3	0,2	16	191,373	29	2601,742	13	2410,369	
B-23 3 0,75 11 434,133 29 2601,742 18 2167,609 B-24 3 0,8 11 455,169 29 2601,742 18 2146,573 B-25 4 0,5 14 288,150 29 2601,742 15 2313,592 B-26 4 0,333 15 224,832 29 2601,742 14 2376,910 B-27 4 0,25 16 192,387 29 2601,742 13 2409,355 B-28 4 0,2 17 172,304 29 2601,742 12 2429,438 B-29 4 0,667 13 350,231 29 2601,742 16 2251,511 B-30 4 0,625 13 334,846 29 2601,742 16 2221,111 B-32 4 0,8 13 398,946 29 2601,742 16 2202,796 B-34 5 0,333	B-21		0,667	12	398,580	29	2601,742	17	2203,162	
B-24 3 0,8 11 455,169 29 2601,742 18 2146,573 B-25 4 0,5 14 288,150 29 2601,742 15 2313,592 B-26 4 0,333 15 224,832 29 2601,742 14 2376,910 B-27 4 0,25 16 192,387 29 2601,742 13 2409,355 B-28 4 0,2 17 172,304 29 2601,742 12 2429,438 B-29 4 0,667 13 350,231 29 2601,742 16 2251,511 B-30 4 0,625 13 334,846 29 2601,742 16 2266,896 B-31 4 0,75 13 380,631 29 2601,742 16 2202,796 B-32 4 0,8 13 398,946 29 2601,742 14 2339,190 B-34 5 0,333	B-22		0,625	12	380,509	29		17	2221,233	
B-25 4 0,5 14 288,150 29 2601,742 15 2313,592 B-26 4 0,333 15 224,832 29 2601,742 14 2376,910 B-27 4 0,25 16 192,387 29 2601,742 13 2409,355 B-28 4 0,2 17 172,304 29 2601,742 12 2429,438 B-29 4 0,667 13 350,231 29 2601,742 16 2251,511 B-30 4 0,625 13 334,846 29 2601,742 16 2266,896 B-31 4 0,75 13 380,631 29 2601,742 16 2221,111 B-32 4 0,8 13 398,946 29 2601,742 16 2202,796 B-33 5 0,5 15 262,552 29 2601,742 14 2339,190 B-34 5 0,333	B-23	3	0,75	11	434,133	29	2601,742	18	2167,609	
B-26 4 0,333 15 224,832 29 2601,742 14 2376,910 B-27 4 0,25 16 192,387 29 2601,742 13 2409,355 B-28 4 0,2 17 172,304 29 2601,742 12 2429,438 B-29 4 0,667 13 350,231 29 2601,742 16 2251,511 B-30 4 0,625 13 334,846 29 2601,742 16 2266,896 B-31 4 0,75 13 380,631 29 2601,742 16 2221,111 B-32 4 0,8 13 398,946 29 2601,742 16 2202,796 B-33 5 0,5 15 262,552 29 2601,742 14 2339,190 B-34 5 0,333 17 206,181 29 2601,742 12 2395,561 B-35 5 0,25	B-24	3	0,8	11	455,169	29	2601,742	18	2146,573	
B-27 4 0,25 16 192,387 29 2601,742 13 2409,355 B-28 4 0,2 17 172,304 29 2601,742 12 2429,438 B-29 4 0,667 13 350,231 29 2601,742 16 2251,511 B-30 4 0,625 13 334,846 29 2601,742 16 2266,896 B-31 4 0,75 13 380,631 29 2601,742 16 2221,111 B-32 4 0,8 13 398,946 29 2601,742 16 2202,796 B-33 5 0,5 15 262,552 29 2601,742 14 2339,190 B-34 5 0,333 17 206,181 29 2601,742 12 2395,561 B-35 5 0,25 18 177,486 29 2601,742 11 2424,256	B-25	4	0,5	14	288,150	29	2601,742	15	2313,592	
B-28 4 0,2 17 172,304 29 2601,742 12 2429,438 B-29 4 0,667 13 350,231 29 2601,742 16 2251,511 B-30 4 0,625 13 334,846 29 2601,742 16 2266,896 B-31 4 0,75 13 380,631 29 2601,742 16 2221,111 B-32 4 0,8 13 398,946 29 2601,742 16 2202,796 B-33 5 0,5 15 262,552 29 2601,742 14 2339,190 B-34 5 0,333 17 206,181 29 2601,742 12 2395,561 B-35 5 0,25 18 177,486 29 2601,742 11 2424,256	B-26	4	0,333	15	224,832	29	2601,742	14	2376,910	
B-29 4 0,667 13 350,231 29 2601,742 16 2251,511 B-30 4 0,625 13 334,846 29 2601,742 16 2266,896 B-31 4 0,75 13 380,631 29 2601,742 16 2221,111 B-32 4 0,8 13 398,946 29 2601,742 16 2202,796 B-33 5 0,5 15 262,552 29 2601,742 14 2339,190 B-34 5 0,333 17 206,181 29 2601,742 12 2395,561 B-35 5 0,25 18 177,486 29 2601,742 11 2424,256	B-27	4	0,25	16	192,387	29	2601,742	13	2409,355	
B-30 4 0,625 13 334,846 29 2601,742 16 2266,896 B-31 4 0,75 13 380,631 29 2601,742 16 2221,111 B-32 4 0,8 13 398,946 29 2601,742 16 2202,796 B-33 5 0,5 15 262,552 29 2601,742 14 2339,190 B-34 5 0,333 17 206,181 29 2601,742 12 2395,561 B-35 5 0,25 18 177,486 29 2601,742 11 2424,256	B-28	4	0,2	17	172,304	29	2601,742	12	2429,438	
B-31 4 0,75 13 380,631 29 2601,742 16 2221,111 B-32 4 0,8 13 398,946 29 2601,742 16 2202,796 B-33 5 0,5 15 262,552 29 2601,742 14 2339,190 B-34 5 0,333 17 206,181 29 2601,742 12 2395,561 B-35 5 0,25 18 177,486 29 2601,742 11 2424,256	B-29	4	0,667	13	350,231	29	2601,742	16	2251,511	
B-32 4 0,8 13 398,946 29 2601,742 16 2202,796 B-33 5 0,5 15 262,552 29 2601,742 14 2339,190 B-34 5 0,333 17 206,181 29 2601,742 12 2395,561 B-35 5 0,25 18 177,486 29 2601,742 11 2424,256	B-30	4	0,625	13		29	,	16	2266,896	
B-33 5 0,5 15 262,552 29 2601,742 14 2339,190 B-34 5 0,333 17 206,181 29 2601,742 12 2395,561 B-35 5 0,25 18 177,486 29 2601,742 11 2424,256	B-31	4	0,75	13	380,631	29	2601,742	16	2221,111	
B-34 5 0,333 17 206,181 29 2601,742 12 2395,561 B-35 5 0,25 18 177,486 29 2601,742 11 2424,256	B-32	4	0,8	13	398,946	29	2601,742	16	2202,796	
B-35 5 0,25 18 177,486 29 2601,742 11 2424,256	B-33	5	0,5	15	262,552	29	2601,742	14	2339,190	
	B-34	5	0,333	17	206,181	29	2601,742	12	2395,561	
$\Delta S \rightarrow max$.	B-35	5	0,25	18	177,486	29	2601,742	11	2424,256	
										$\Delta S \rightarrow max$,
B-36 5 0,2 19 159,847 29 2601,742 10 2441,895 $\Delta t \rightarrow min$,	D 26	5	0.2	10	150 947	20	2601 742	10	2441 805	$\Delta t \rightarrow min$,
В-30 3 0,2 19 139,847 29 2001,742 10 2441,893 оптимальный	D-30	3	0,2	19	139,047	29	2001,742	10	2441,093	оптимальный
для подрядчика										для подрядчика
B-37 5 0,667 15 317,701 29 2601,742 14 2284,041	B-37		0,667	15	317,701	29	2601,742	14	2284,041	
B-38 5 0,625 15 303,831 29 2601,742 14 2297,911	B-38	5	0,625	15	303,831	29	2601,742	14	2297,911	
B-39 5 0,75 14 344,951 29 2601,742 15 2256,791	B-39	5	0,75	14	344,951	29	2601,742	15	2256,791	
B-40 5 0,8 14 361,196 29 2601,742 15 2240,546	B-40	5	0,8	14	361,196	29	2601,742	15	2240,546	

Из выявленных оптимальных решений для подрядчика выберем два крайних варианта инвестирования: вариант B-16, когда $\Delta S \rightarrow min$ и $\Delta t \rightarrow max$, и вариант B-36, когда $\Delta S \rightarrow max$ и $\Delta t \rightarrow min$.

В-16 имеет следующие параметры: суммарные затраты 2051,096 млн. руб., срок строительства 9 месяцев, период окупаемости 2 года, коэффициент распределения инвестиций 0,8 соответствует неравномерно-убывающему (по закону вогнутой кубической параболы) потреблению ресурсов. В контракт ген. подрядчику выгодно заложить максимальный срок строительства — 29 месяцев и соответствующие ему затраты 2601,742 млн. руб. Это позволит подрядчику при прочих равных условиях сократить срок строительства с 29 месяцев (контрактный срок строительства). Это обеспечивает подрядчику возможность достижения различных видов эффектов, а также снижение рисков. Однако в этом случае подрядчик имеет минимальное сокращение затрат ΔS , что ведет к уменьшению общего эффекта. Возникает риск нехватки финансовых ресурсов в случае непредвиденных расходов.

В-36 имеет следующие параметры: суммарные затраты 2441,895 млн. руб., срок строительства 19 месяцев, период окупаемости 5 лет, коэффициент распределения инвестиций 0,2. Данный вариант обеспечивает получение максимального эффекта от сокращения затрат. В контракт ген. подрядчиком будет заложен максимальный срок строительства — 29 месяцев и соответствующие ему затраты 2601,742 млн. руб.

Рассчитаем эффекты подрядчика для предложенных вариантов и проведем их количественную оценку.

Эффекты от сокращения сроков строительства

Рассчитаем условно-постоянную часть расходов в составе сметной стоимости строительства:

$$C_{y\pi}=C_{H}+C_{9}+C_{3}+C_{3\Pi}=217,\!207+50,\!589+13,\!912+168,\!631=$$
 = 450,340 млн. руб.,

 $C_{\rm H}$ – расходы на административно-хозяйственные нужды

$$C_{\mathrm{H}} = \frac{C_{\mathrm{CM}} K_{\mathrm{H}} K_{\mathrm{y}}}{(1 + K_{\mathrm{H}})(1 + K_{\mathrm{n}})} = \frac{2601,742 \cdot 0,22 \cdot 0,5}{(1 + 0,22) \cdot (1 + 0,08)} = 217,207$$
 млн. руб.,

где C_{CM} – стоимость CMP;

К_Н – коэффициент накладных расходов, принимаем равным 0,22;

 K_y – коэффициент управления расходов, принимаем равным 0,5;

 K_{π} – коэффициент плановых накоплений, принимаем равным 0,08.

 $C_{\mathfrak{Z}}$ – расходы на эксплуатацию машин и механизмов

$$C_{9}=rac{C_{CM}K_{9}K_{9}''}{(1+K_{\Pi})}=rac{2601,742\cdot0,07\cdot0,3}{(1+0,08)}=50,589$$
 млн. руб.,

где $K_{\rm 3}$ – удельный вес затрат на эксплуатацию машин и механизмов, принимаем равным 0,07;

 K_3'' – доля условно-постоянных расходов на эксплуатацию машин и механизмов, принимаем равным 0.3.

 C_3 – условно-постоянные заготовительно-складские расходы

$$C_3 = \frac{C_{\text{CM}} K_{\text{M}} K_3 K_3''}{(1 + K_{\pi})} = \frac{2601,742 \cdot 0,5 \cdot 0,021 \cdot 0,55}{(1 + 0,08)} = 13,912 \text{ млн. руб.,}$$

где K_{M} – удельный вес затрат на материалы в стоимости СМР, принимаем равным 0,5;

 K_3 — средний размер заготовительно-складских расходов в затратах на материалы, принимаем равным 0,021;

 K_3'' – доля условно-постоянных расходов в заготовительно-складских затратах, принимаем равным 0,55.

 $C_{3\Pi}$ – условно-постоянные расходы по заработной плате

$$C_{3\Pi}=rac{C_{\text{CM}}3 ext{K}_{3\Pi}}{(1+ ext{K}_{_{\Pi}})}=rac{2601,742\cdot0,2\cdot0,35}{(1+0,08)}=168,631$$
 млн. руб.,

где 3 — удельный вес заработной платы в стоимости СМР, принимаем равным 0,2; $K_{3\Pi}$ — коэффициент заработной платы, принимаем равным 0,35.

Расчёт эффектов на этапе строительства (для подрядчика)

Эффект от сокращения условно-постоянной части расходов:

$$\Theta_{\mathrm{H}} = \mathsf{C}_{\mathrm{УП}} \cdot \left(1 - \frac{t_{\mathrm{p}}}{t_{\mathrm{H}}}\right) = 450,340 \cdot \left(1 - \frac{19}{29}\right) = 155,290 \text{ млн. руб.}$$

Эффект от высвобождения основных фондов:

$$\Theta_{\rm OC} = \frac{\Phi_{\rm OC}}{T_{\rm OK}} \cdot \left(1 - \frac{t_{\rm p}}{t_{\scriptscriptstyle H}}\right) = \frac{1}{5} \cdot \left(1 - \frac{19}{29}\right) = 0,069$$
 млн. руб.,

где Φ_{0C} – величина основных производственных фондов, принимаем равной 1 млн. руб.

Эффект от сокращения оборотных средств:

$$\Theta_{\rm OB} = \frac{\Phi_{\rm OB}}{T_{\rm OK}} \cdot \left(1 - \frac{t_{\rm p}}{t_{\scriptscriptstyle \rm H}}\right) = \frac{0.5}{5} \cdot \left(1 - \frac{19}{29}\right) = 0.034$$
 млн. руб.,

где $\Phi_{\rm OC}$ — величина основных производственных фондов, принимаем равной 0,5 млн. руб.

Эффект по фонду заработной платы:

$$\Im_{C} = C_{CM} \cdot 3 \cdot \left(1 - \frac{100 + \Pi_{3}}{100 + \Pi_{\Pi}}\right) = 2601,742 \cdot 0,2 \cdot \left(1 - \frac{100 + 3}{100 + 10}\right) =$$

= 33,113 млн. руб.,

где Π_3 – прирост заработной платы за счет совершенствования организации управления производством на основе научно-технического прогресса, принимаем равным 3%;

 Π_{Π} – прирост производительности труда, принимаем равным 10%.

Эффект от уменьшения переменной части накладных расходов за счет сокращения фонда заработной платы:

$$\theta_3 = \theta_C \cdot 0.15 = 33.113 \cdot 0.15 = 4.967$$
 млн. руб.

Эффект от уменьшения переменной части накладных расходов от внедрения НИОКР:

$$\Im_Q = Q \cdot 0,06 = 24200 \cdot 0,06 = 1452$$
 млн. руб.

Тогда общий эффект будет равен сумме всех эффектов:

$$\mathfrak{Z}=\mathfrak{Z}_{\mathrm{H}}+\mathfrak{Z}_{\mathrm{OC}}+\mathfrak{Z}_{\mathrm{OE}}+\mathfrak{Z}_{\mathrm{C}}+\mathfrak{Z}_{\mathrm{3}}+\mathfrak{Z}_{\mathrm{Q}}=155,\!290+0,\!069+0,\!034+33,\!113+4,\!967+1452=1645,\!473$$
 млн. руб.

Общий эффект подрядчика включает также ΔS :

$$\Theta_{
m o 6 m}^{\Gamma\Pi}=9+\Delta S=1645,\!473+2441,\!895=4087,\!368$$
 млн. руб.

Таблица 3.2.

									Таолиц	ια <i>5.</i> 2.
№	\mathfrak{I}_{H}	Э _{ос}	Эоб	Э _C	\mathfrak{Z}_3	\mathfrak{I}_Q	Э	$\mathfrak{I}_{oбiiii}^{\Gamma\Pi}$	СуП	
1	2	3	4	5	6	7	8	9	10	11
1	186,347	0,083	0,041	33,113	4,967	1452	1676,552	4037,708	450,340	
2	139,761	0,062	0,031	33,113	4,967	1452	1629,934	4027,650	450,340	
3	108,703	0,048	0,024	33,113	4,967	1452	1598,855	4016,279	450,340	
4	93,174	0,041	0,021	33,113	4,967	1452	1583,316	4014,173	450,340	
5	217,405	0,097	0,048	33,113	4,967	1452	1707,630	4037,641	450,340	
6	217,405	0,097	0,048	33,113	4,967	1452	1707,630	4044,258	450,340	
7	232,934	0,103	0,052	33,113	4,967	1452	1723,170	4038,995	450,340	
8	232,934	0,103	0,052	33,113	4,967	1452	1723,170	4030,649	450,340	
9	295,050	0,131	0,066	33,113	4,967	1452	1785,327	3994,654	450,340	
10	279,521	0,124	0,062	33,113	4,967	1452	1769,787	4070,226	450,340	
11	263,992	0,117	0,059	33,113	4,967	1452	1754,248	4101,926	450,340	
12	248,463	0,110	0,055	33,113	4,967	1452	1738,709	4115,907	450,340	max
13	295,050	0,131	0,066	33,113	4,967	1452	1785,327	3906,103	450,340	
14	295,050	0,131	0,066	33,113	4,967	1452	1785,327	3928,373	450,340	
15	310,579	0,138	0,069	33,113	4,967	1452	1800,866	3877,737	450,340	
16	310,579	0,138	0,069	33,113	4,967	1452	1800,866	3851,962	450,340	min
17	263,992	0,117	0,059	33,113	4,967	1452	1754,248	4029,262	450,340	
18	232,934	0,103	0,052	33,113	4,967	1452	1723,170	4072,067	450,340	
19	217,405	0,097	0,048	33,113	4,967	1452	1707,630	4094,483	450,340	
20	201,876	0,090	0,045	33,113	4,967	1452	1692,091	4102,460	450,340	
21	263,992	0,117	0,059	33,113	4,967	1452	1754,248	3957,410	450,340	
22	263,992	0,117	0,059	33,113	4,967	1452	1754,248	3975,481	450,340	
23	279,521	0,124	0,062	33,113	4,967	1452	1769,787	3937,396	450,340	
24	279,521	0,124	0,062	33,113	4,967	1452	1769,787	3916,360	450,340	
25	232,934	0,103	0,052	33,113	4,967	1452	1723,170	4036,762	450,340	
26	217,405	0,097	0,048	33,113	4,967	1452	1707,630	4084,540	450,340	
27	201,876	0,090	0,045	33,113	4,967	1452	1692,091	4101,446	450,340	
28	186,347	0,083	0,041	33,113	4,967	1452	1676,552	4105,990	450,340	
29	248,463	0,110	0,055	33,113	4,967	1452	1738,709	3990,220	450,340	
30	248,463	0,110	0,055	33,113	4,967	1452	1738,709	4005,605	450,340	
31	248,463	0,110	0,055	33,113	4,967	1452	1738,709	3959,820	450,340	
32	248,463	0,110	0,055	33,113	4,967	1452	1738,709	3941,505	450,340	
33	217,405	0,097	0,048	33,113	4,967	1452	1707,630	4046,820	450,340	
34	186,347	0,083	0,041	33,113	4,967	1452	1676,552	4072,113	450,340	

35	170,819	0,076	0,038	33,113	4,967	1452	1661,012	4085,268	450,340	
36	155,290	0,069	0,034	33,113	4,967	1452	1645,473	4087,368	450,340	
37	217,405	0,097	0,048	33,113	4,967	1452	1707,630	3991,671	450,340	
38	217,405	0,097	0,048	33,113	4,967	1452	1707,630	4005,541	450,340	
39	232,934	0,103	0,052	33,113	4,967	1452	1723,170	3979,961	450,340	
40	232,934	0,103	0,052	33,113	4,967	1452	1723,170	3963,716	450,340	

Расчёт эффектов на этапе строительства (для заказчика)

Эффект от сокращения условно-постоянной части расходов:

$$\Im_{\mathrm{H}} = \mathsf{C}_{\mathrm{У\Pi}} \cdot \left(1 - \frac{t_{\mathrm{p}}}{t_{\mathrm{H}}}\right) = 450,340 \cdot \left(1 - \frac{9}{29}\right) = 310,579$$
 млн. руб.

Эффект от высвобождения основных фондов:

$$\Theta_{\rm OC} = \frac{\Phi_{\rm OC}}{T_{\rm OK}} \cdot \left(1 - \frac{t_{\rm p}}{t_{\scriptscriptstyle H}}\right) = \frac{1}{5} \cdot \left(1 - \frac{9}{29}\right) = 0$$
,138 млн. руб.

Эффект от сокращения оборотных средств:

$$\Theta_{\mathrm{OB}} = \frac{\Phi_{\mathrm{OB}}}{T_{\mathrm{OK}}} \cdot \left(1 - \frac{t_{\mathrm{p}}}{t_{\mathrm{H}}}\right) = \frac{0.5}{5} \cdot \left(1 - \frac{9}{29}\right) = 0.069$$
 млн. руб.

Эффект по фонду заработной платы, эффект от уменьшения переменной части накладных расходов за счет сокращения фонда заработной платы, эффект от уменьшения переменной части накладных расходов за счет внедрения НИОКР остаются постоянными.

Тогда общий эффект будет равен сумме всех эффектов:

$$\vartheta=\vartheta_{\mathrm{H}}+\vartheta_{\mathrm{OC}}+\vartheta_{\mathrm{OB}}+\vartheta_{\mathrm{C}}+\vartheta_{\mathrm{3}}+\vartheta_{\mathrm{Q}}=310,\!579+0,\!138+0,\!069+33,\!113+4,\!967+1452=1800,\!866$$
 млн. руб.

Общий эффект подрядчика включает также ΔS :

$$\Im_{\text{общ}}^{\Gamma\Pi} = \Im + \Delta S = 1800,866 + 2051,096 = 3851,962$$
 млн. руб.

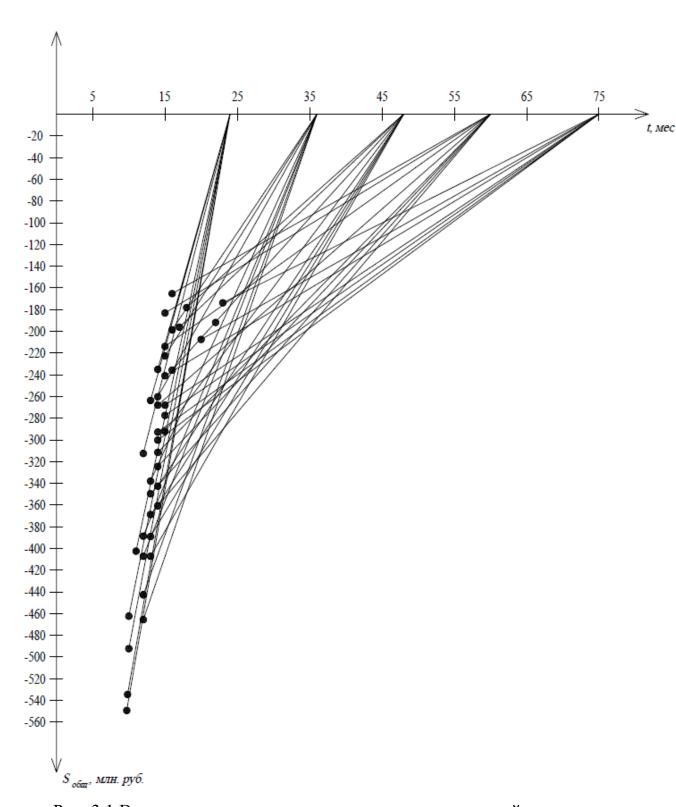


Рис. 3.1 Варианты рационального размещения инвестиций и определение нормативного срока окупаемости объекта

4. Вариант контракта

Контракт, заключенный между подрядчиком и заказчиком, должен максимально учитывать интересы обеих сторон. Понятно, что подрядчику выгодно заложить в контракт максимальный срок строительства 29 месяцев и максимальные затраты 2601,742 млн. руб., обеспечив при этом окупаемость объекта через 5 лет. Очевидно и то, что заказчик захочет сократить срок строительства, чтобы окупаемость объекта произошла как можно быстрее, а также сократить затраты на строительство объекта.

Поэтому подрядчик должен предложить заказчику следующий условия контракта:

- срок строительства 29 месяцев;
- объем инвестиций 2601,742 млн. руб.;
- период окупаемости 5 лет.

Распределение капитальных вложений – равномерно-убывающее.

При этом подрядчик обеспечивает себе равномерное потребление ресурсов, имеет запас времени 10 месяцев, что принесет подрядчику эффект от сокращения сроков строительства в размере 1645,473 млн. руб. и доход в размере $\Delta S = 2441,895$ млн. руб. Таким образом, общий экономический эффект подрядчика составит 4087,368 млн. руб.

Для защиты строительной системы необходимо обеспечить эффективное функционирование контрактной системы, это обойдется заказчику в 780,523 млн. руб. (30% от стоимости строительства).

При данном варианте инвестирования увеличиваются риски подрядчика, т.е. возможность возникновения неблагоприятных ситуаций в ходе реализации планов: риск возникновения непредвиденных расходов, ресурсный риск, организационный риск и др. Риски нужно учитывать и страховать.

Договор страхования от всех видов рисков учитывает определенные потребности подрядчика, гарантирует страхование имущества от всех рисков материальных потерь. Он охватывает все стадии незавершенного строительства, основное, вспомогательное и транспортное оборудование, а также результаты труда.

В таком страховании заинтересованы не только подрядчики, но и в первую очередь заказчики. Это дает им уменьшение риска потерь, вызванных нарушением графиков строительно-монтажных работ. Заказчик, в свою очередь, также имеет риски: риск нежизнеспособности проекта, налоговый риск, риск не завершения строительства и др. На страхование рисков необходимо выделить 50% себестоимости строительства с учетом затрат на контракт, т.е. 1300,871 млн. руб.

Таким образом, в договоре подряда объем инвестиций должен учитывать затраты на обеспечение контрактной системы и страхование рисков, он составит 2601,742 + 780,523 + 1300,871 = 4683,136 млн. руб. Договором подряда также должны быть оговорены все случаи нарушения договора и предусмотрены соответствующие санкции.

5. Расчёт дисконтированных показателей эффективности инвестиций

Экономический результат от инвестиционного проекта определяется дополнительными изменениями или приращениями денежных потоков, возникающими на стадии его реализации, в которой условно можно выделить следующие фазы:

- начальную пли инвестиционную (приобретение и ввод в эксплуатацию основных фондов, формирование необходимого оборотного капитала, обучение персонала и т.п.);
 - эксплуатационную (с момента начала выпуска продукции и услуг);
 - завершающую или ликвидационную.

В соответствии с фазами реализации инвестиционного проекта можно выделить три основных элемента его денежного потока:

- чистый объем первоначальных затрат;
- чистый денежный поток от предполагаемой деятельности;
- чистый денежный поток, возникающий в результате завершения проекта.

Для определения операционного денежного потока предполагается, что объект будет сдаваться в аренду, а арендные платежи в год составят фиксированную величину пропорциональную стоимости строительства объекта.

5.1. Расчёт денежного потока и чистого дисконтированного дохода

Метод определения чистого дисконтированного дохода основан на определении разницы между суммой денежных поступлений (денежных потоков и оттоков), порождаемых реализацией инвестиционного проекта и дисконтированных к текущей их стоимости, и суммы дисконтированных текущих стоимостей всех затрат (денежных потоков, оттоков), необходимых для реализации этого проекта.

$$NPV = \sum_{t=1}^{n} \frac{CF_t}{(1+k)^t} - \sum_{t=1}^{n} \frac{I_t}{(1+k)^t},$$

где I_t – инвестиционные затраты в t-й период;

 CF_t – поступления денежных средств (денежный поток) в конце t-го периода; k – желаемая норма прибыльности (рентабельности).

Если ЧДД проекта положителен, проект является эффективным (при данной норме дисконта) и может рассматриваться вопрос о его принятии. Чем больше ЧДД, тем эффективнее проект. Если проект будет осуществлен при отрицательном ЧДД, то инвестор понесет убытки, значит проект неэффективен. Результаты расчета ЧДД заносим в таблицу 5.1 при ставке дисконтирования 0,15.

Таблица 5.1.

$N_{\underline{0}}$	Наименование		Ι	Іериоды <i>t</i>		
Π/Π	паименование	1	2	3	4	5
1	Начальные капитальные вложения (COF)	4683,136				
2	Операционный денежный поток (аренда) (CIF)	1053,706	1404,941	1404,941	1404,941	1404,941
3	Чистый денежный поток (ЧДП)	-3629,430	1404,941	1404,941	1404,941	1404,941
4	Ставка дисконтирования (r)	0,15	0,15	0,15	0,15	0,15

5	Фактор дисконтирования $1/(1+r)^t$	0,870	0,756	0,658	0,572	0,497
6	ЧДД (NPV)	-3156,026	1062,337	923,771	803,279	698,504
7	ЧДД проекта			331,865		

При ставке дисконтирования 0,2

Таблица 5.2.

$N_{\underline{0}}$	11		I	Териоды <i>t</i>		
Π/Π	Наименование	1	2	3	4	5
1	Начальные капитальные вложения (COF)	4683,136				
2	Операционный денежный поток (аренда) (CIF)	1053,706	1404,941	1404,941	1404,941	1404,941
3	Чистый денежный поток (ЧДП)	-3629,430	1404,941	1404,941	1404,941	1404,941
4	Ставка дисконтирования (r)	0,20	0,20	0,20	0,20	0,20
5	Фактор дисконтирования $1/(1+r)^t$	0,833	0,694	0,579	0,482	0,402
6	ЧДД (NPV)	-3024,525	975,653	813,044	677,537	564,614
7	ЧДД проекта			6,324		

Если текущий дисконтированный доход проекта NPV положителен, то проект может считаться приемлемым.

считается приемлемым.

5.2. Расчёт индекса рентабельности

Для определения величины критерия используются те же потоки платежей, что и для критерия чистого дисконтированного дохода. Критерий представляет собой не разницу доходов и затрат от реализации проекта, а их соотношение — доходы, деленные на затраты. Этот показатель позволяет определить, в какой мере возрастает богатство инвестора в расчете на один рубль инвестиций.

$$PI = \frac{\sum_{t=1}^{n} \frac{CF_t}{(1+k)^t}}{\sum_{t=1}^{n} \frac{I_t}{(1+k)^t}},$$

где CF_t – денежные поступления в t-ом году, которые будут получены благодаря этим инвестициям;

 I_t – инвестиции в t-ом году.

$$PI = \frac{1053,706 \cdot 0,833 + 1404,941 \cdot 0,694 + 1404,941 \cdot 0,579 + 4683,136 \cdot 0,833}{4683,136 \cdot 0,833} = 1,0016.$$

5.3. Расчёт внутренней нормы доходности

Внутренняя норма доходности представляет ту норму дисконта, при которой величина приведенной разности результата и затрат равна приведенным капитальным вложениям.

Показатель *IRR* представляет собой проверочный дисконт, при котором отдача от инвестиционного проекта равна первоначальным инвестициям в проект.

$$E_{\text{\tiny BH}} = E_1 - \text{ЧДД}_1 \cdot \frac{E_2 - E_1}{\text{ЧДД}_2 - \text{ЧДД}_1} = 15 - 331,865 \cdot \frac{20 - 15}{331,865 - 6,324} = 20,097,$$

Ставка дисконтирования r_1 или норма дисконта $E_1 = 15$ %.

Ставка дисконтирования r_2 или норма дисконта $E_1 = 20$ %. Получаемую расчетную величину $E_{\rm BH}$ сравнивают с требуемой инвестором нормой рентабельности вложений. Вопрос о принятии инвестиционного проекта может рассматриваться, если значение $E_{\rm BH}$ не меньше требуемой инвестором величины.

Если инвестиционный проект полностью финансируется за счет ссуды банка, то значение $E_{\rm BH}$ указывает верхнюю границу допустимого уровня банковской процентной ставки, превышение которого делает инвестиционный проект неэффективным.

В случае, когда имеет место финансирование из разных источников, нижняя граница значения $E_{\rm BH}$ соответствует «цене» авансируемого капитала, которая может рассчитываться как средняя арифметическая взвешенная величина выплат за пользование авансируемым капиталом. ЧДД $_2$ ближе к нулю, подобрать ставку меньше 10~%.

Заключение

Результатом данного курсового проекта стал выбор наиболее рационального варианта инвестирования возведения объекта, который должен оптимально удовлетворять требованиям заказчика, так и требованиям подрядчика, хотя их интересы расходятся.

Заказчик заинтересован в сооружении объекта и вводе его в эксплуатацию при минимальных затратах на строительство и в наиболее короткие сроки, получении максимального дохода в кратчайшие сроки. Подрядчик же стремится увеличить срок строительного процесса и сумму будущих затрат.

При выборе контракта договора подряда были рассмотрены различные виды распределения капитальных вложений, был рассчитан нормативный срок строительства жилого дома в условиях рыночной экономики и сложившейся организационно-технической ситуации $t_{\rm H}=29$ месяцев. А также оптимальный срок строительства для каждого вида распределения инвестиций и для каждого из заданных сроков окупаемости объекта. Для этого были определены снижающиеся и возрастающие затраты на строительство по методу Прыкина Б.В. и подсчитаны общие затраты. Оптимальным признавался тот вариант, при котором $\Delta S \rightarrow$ min и $\Delta t \rightarrow max$, расчётное время t, соответствующее этим затратам, и является оптимальной продолжительностью возведения здания.

В контракт подряда закладывается сумма, учитывающая также дополнительные инвестиции на обеспечение эффективного функционирования контрактной системы и на страхование рисков. Подрядчик должен предложить заказчику следующие условия контракта:

- срок строительства 29 месяцев;
- объем инвестиций 2601,742 млн. руб.;
- период окупаемости 5 лет;
- характер использования капитальных вложений неравномерновозрастающий.

Экономический результат от инвестированного проекта определяется дополнительными изменениями или приращениями денежных потоков, возникающими на стадии его реализации. Экономический результат выражается путем расчета дисконтированных показателей эффективности проекта.

По результатам расчетов получаем:

- ЧДД = 6,324 млн. руб. > 0;
- -PI = 1,0016 > 0;
- -IRR = 20,1 %.

Следовательно, проект может быть принят.

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Приложение

Приложение А

73.5			T ~	~	T ~	~	~	~	~	<u> </u>	
а _г /Месяц	S_1	S_2	S_3	S ₄	S ₅	S ₆	S ₇	S_8	S 9	S_{10}	Сумма
0.00::	1.25=	1 77 -	0.05-	00: 7=-		Ток=6,25		1 20= 2 :=	04.755	0.4.0.=	2000 5 : :
0,33/1	1,257	1,535	2,399	826,570	6,970	25,558	738,305	287,217	34,733	84,367	2008,911
0,33/2	2,515	3,071	4,798	413,285	3,485	12,779	369,153	143,608	17,366	42,183	1012,244
0,33/3	3,772	4,606	7,197	275,523	2,323	8,519	246,102	95,739	11,578	28,122	683,482
0,33/4	5,030	6,142	9,596	206,642	1,742	6,389	184,576	71,804	8,683	21,092	521,698
0,33/5	6,287	7,677	11,996	165,314	1,394	5,112	147,661	57,443	6,947	16,873	426,704
0,33/6	7,545	9,213	14,395	137,762	1,162	4,260	123,051	47,869	5,789	14,061	365,105
0,33/7	8,802 10,060	10,748 12,283	16,794 19,193	118,081	0,996 0,871	3,651 3,195	105,472 92,288	41,031 35,902	4,962 4,342	12,052 10,546	322,589
0,33/8	11,317	13,819	21,592	103,321 91,841	0,871	2,840	82,034	31,913	3,859	9,374	292,001 269,363
0,33/10	12,575	15,354	23,991	82,657	0,774	2,556	73,831	28,722	3,473	8,437	252,292
0,33/11	13,832	16,890	26,390	75,143	0,634	2,323	67,119	26,111	3,158	7,670	239,268
0,33/11	15,090	18,425	28,789	68,881	0,581	2,130	61,525	23,935	2,894	7,070	229,280
0,33/13	16,347	19,961	31,188	63,582	0,536	1,966	56,793	22,094	2,672	6,490	221,628
0,33/14	17,604	21,496	33,587	59,041	0,498	1,826	52,736	20,515	2,481	6,026	215,811
0,33/15	18,862	23,031	35,987	55,105	0,465	1,704	49,220	19,148	2,316	5,624	211,461
0,33/16	20,119	24,567	38,386	51,661	0,436	1,597	46,144	17,951	2,171	5,273	208,304
0,33/17	21,377	26,102	40,785	48,622	0,410	1,503	43,430	16,895	2,043	4,963	206,130
0,33/17	22,634	27,638	43,184	45,921	0,387	1,420	41,017	15,956	1,930	4,687	204,773
0,33/19	23,892	29,173	45,583	43,504	0,367	1,345	38,858	15,117	1,828	4,440	204,107
0,33/20	25,149	30,708	47,982	41,328	0,348	1,278	36,915	14,361	1,737	4,218	204,026
0,33/21	26,407	32,244	50,381	39,360	0,332	1,217	35,157	13,677	1,654	4,017	204,447
0,33/22	27,664	33,779	52,780	37,571	0,317	1,162	33,559	13,055	1,579	3,835	205,302
0,33/23	28,922	35,315	55,179	35,938	0,303	1,111	32,100	12,488	1,510	3,668	206,534
0,33/24	30,179	36,850	57,578	34,440	0,290	1,065	30,763	11,967	1,447	3,515	208,096
0,33/25	31,436	38,386	59,978	33,063	0,279	1,022	29,532	11,489	1,389	3,375	209,948
0,33/26	32,694	39,921	62,377	31,791	0,268	0,983	28,396	11,047	1,336	3,245	212,058
0,33/27	33,951	41,456	64,776	30,614	0,258	0,947	27,345	10,638	1,286	3,125	214,395
0,33/28	35,209	42,992	67,175	29,520	0,249	0,913	26,368	10,258	1,240	3,013	216,937
0,33/29	36,466	44,527	69,574	28,502	0,240	0,881	25,459	9,904	1,198	2,909	219,661
					B-3:	Ток=6,25	$\alpha_p=0,25$				
0,25/1	1,257	1,163	1,818	826,570	6,970	25,558	738,305	287,217	34,733	84,367	2007,957
0,25/2	2,515	2,326	3,635	413,285	3,485	12,779	369,153	143,608	17,366	42,183	1010,336
0,25/3	3,772	3,490	5,453	275,523	2,323	8,519	246,102	95,739	11,578	28,122	680,621
0,25/4	5,030	4,653	7,270	206,642	1,742	6,389	184,576	71,804	8,683	21,092	517,882
0,25/5	6,287	5,816	9,088	165,314	1,394	5,112	147,661	57,443	6,947	16,873	421,935
0,25/6	7,545	6,979	10,905	137,762	1,162	4,260	123,051	47,869	5,789	14,061	359,382
0,25/7	8,802	8,142	12,723	118,081	0,996	3,651	105,472	41,031	4,962	12,052	315,913
0,25/8	10,060	9,306	14,540	103,321	0,871	3,195	92,288	35,902	4,342	10,546	284,370
0,25/9	11,317	10,469	16,358	91,841	0,774	2,840	82,034	31,913	3,859	9,374	260,779
0,25/10	12,575	11,632	18,175	82,657	0,697	2,556	73,831	28,722	3,473	8,437	242,754
0,25/11	13,832	12,795	19,993	75,143	0,634	2,323	67,119	26,111	3,158	7,670	228,776
0,25/12	15,090	13,958	21,810	68,881	0,581	2,130	61,525	23,935	2,894	7,031	217,835
0,25/13	16,347	15,122	23,628	63,582	0,536	1,966	56,793	22,094	2,672	6,490	209,228
0,25/14	17,604	16,285	25,445	59,041 55,105	0,498	1,826	52,736	20,515	2,481	6,026 5,624	202,457 197,154
0,25/15 0,25/16	18,862 20,119	17,448 18,611	27,263 29,080	55,105 51,661	0,465 0,436	1,704 1,597	49,220 46,144	19,148 17,951	2,316 2,171	5,624 5,273	197,154
0,25/16	21,377	19,774	30,898	48,622	0,436	1,597	43,430	16,895	2,171	4,963	193,043
0,25/17	22,634	20,938	32,715	45,921	0,387	1,420	41,017	15,956	1,930	4,687	187,605
0,25/19	23,892	22,101	34,533	43,504	0,367	1,345	38,858	15,117	1,828	4,440	185,984
0,25/20	25,149	23,264	36,350	41,328	0,348	1,278	36,915	14,361	1,737	4,218	184,949
0,25/21	26,407	24,427	38,168	39,360	0,332	1,217	35,157	13,677	1,654	4,017	184,417
0,25/22	27,664	25,590	39,985	37,571	0,332	1,162	33,559	13,055	1,579	3,835	184,318
0,25/23	28,922	26,754	41,803	35,938	0,303	1,111	32,100	12,488	1,510	3,668	184,596
0,25/24	30,179	27,917	43,620	34,440	0,290	1,065	30,763	11,967	1,447	3,515	185,204
0,25/25	31,436	29,080	45,438	33,063	0,279	1,022	29,532	11,489	1,389	3,375	186,103
0,25/26	32,694	30,243	47,255	31,791	0,268	0,983	28,396	11,047	1,336	3,245	187,258
0,25/27	33,951	31,406	49,073	30,614	0,258	0,947	27,345	10,638	1,286	3,125	188,642
0,20/2/	22,731	21,100	.,,075	20,011	5,250	~,~	,5 15	10,000	1,200	2,123	100,012

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0,25/28	35,209	32,570	50,890	29,520	0,249	0,913	26,368	10,258	1,240	3,013	190,230
0,25/29	36,466	33,733	52,708	28,502	0,240	0,881	25,459	9,904	1,198	2,909	192,000
		Γ	1			$T_{oK} = 6,25$		1		Γ	T
0,20/1	1,257	0,931	1,454	826,570	6,970	25,558	738,305	287,217	34,733	84,367	2007,361
0,20/2	2,515	1,861	2,908	413,285	3,485	12,779	369,153	143,608	17,366	42,183	1009,144
0,20/3	3,772	2,792	4,362	275,523	2,323	8,519	246,102	95,739	11,578	28,122	678,832
0,20/4	5,030	3,722	5,816	206,642	1,742	6,389	184,576	71,804	8,683	21,092	515,498
0,20/5	6,287	4,653	7,270	165,314	1,394	5,112	147,661	57,443	6,947	16,873	418,954
0,20/6	7,545	5,583	8,724	137,762	1,162	4,260	123,051	47,869	5,789	14,061	355,805
0,20/7	8,802	6,514	10,178	118,081	0,996	3,651	105,472	41,031	4,962	12,052	311,740
0,20/8	10,060	7,444	11,632	103,321	0,871	3,195	92,288	35,902	4,342	10,546	279,601
0,20/9 0,20/10	11,317 12,575	8,375 9,306	13,086 14,540	91,841 82,657	0,774 0,697	2,840 2,556	82,034 73,831	31,913 28,722	3,859	9,374 8,437	255,414 236,792
0,20/10	13,832	10,236	15,994	75,143	0,634	2,333	67,119	26,111	3,473 3,158	7,670	222,219
0,20/11	15,090	11,167	17,448	68,881	0,581	2,323	61,525	23,935	2,894	7,070	210,681
0,20/12	16,347	12,097	18,902	63,582	0,536	1,966	56,793	22,094	2,672	6,490	201,479
0,20/13	17,604	13,028	20,356	59,041	0,330	1,826	52,736	20,515	2,481	6,026	194,111
0,20/15	18,862	13,958	21,810	55,105	0,465	1,704	49,220	19,148	2,316	5,624	188,212
0,20/16	20.119	14,889	23,264	51,661	0,436	1,597	46,144	17,951	2,171	5,273	183,505
0,20/17	21,377	15,820	24,718	48,622	0,410	1,503	43,430	16,895	2,043	4,963	179,780
0,20/18	22,634	16,750	26,172	45,921	0,387	1,420	41,017	15,956	1,930	4,687	176,874
0,20/19	23,892	17,681	27,626	43,504	0,367	1,345	38,858	15,117	1,828	4,440	174,657
0,20/20	25,149	18,611	29,080	41,328	0,348	1,278	36,915	14,361	1,737	4,218	173,026
0,20/21	26,407	19,542	30,534	39,360	0,332	1,217	35,157	13,677	1,654	4,017	171,898
0,20/22	27,664	20,472	31,988	37,571	0,317	1,162	33,559	13,055	1,579	3,835	171,203
0,20/23	28,922	21,403	33,442	35,938	0,303	1,111	32,100	12,488	1,510	3,668	170,885
0,20/24	30,179	22,333	34,896	34,440	0,290	1,065	30,763	11,967	1,447	3,515	170,897
0,20/25	31,436	23,264	36,350	33,063	0,279	1,022	29,532	11,489	1,389	3,375	171,199
0,20/26	32,694	24,195	37,804	31,791	0,268	0,983	28,396	11,047	1,336	3,245	171,759
0,20/27	33,951	25,125	39,258	30,614	0,258	0,947	27,345	10,638	1,286	3,125	172,546
0,20/28	35,209	26,056	40,712	29,520	0,249	0,913	26,368	10,258	1,240	3,013	173,538
0,20/29	36,466	26,986	42,166	28,502	0,240	0,881	25,459	9,904	1,198	2,909	174,712
		T	1				$\alpha_p = 0.667$	1		T	T
0,67/1	1,257	3,103	4,849	826,570	6,970	25,558	738,305	287,217	34,733	84,367	2012,929
0,67/2	2,515	6,207	9,698	413,285	3,485	12,779	369,153	143,608	17,366	42,183	1020,280
0,67/3	3,772	9,310	14,547	275,523	2,323	8,519	246,102	95,739	11,578	28,122	695,536
0,67/4	5,030	12,414	19,396	206,642	1,742	6,389	184,576		8,683	21,092	537,770
0,67/5	6,287	15,517	24,245	165,314	1,394	5,112	147,661	57,443	6,947	16,873	446,794
0,67/6	7,545 8,802	18,621	29,095 33,944	137,762	1,162	4,260	123,051	47,869	5,789	14,061	389,213
0,67/7		21,724		118,081	0,996	3,651	105,472	41,031	4,962	12,052	350,715 324,145
0,67/8	10,060 11,317	24,827 27,931	38,793 43,642	103,321 91,841	0,871 0,774	3,195 2,840	92,288 82,034	35,902 31,913	4,342 3,859	10,546 9,374	305,525
0,67/10	12,575	31,034	48,491	82,657	0,774	2,556	73,831	28,722	3,473	8,437	292,472
0,67/11	13,832	34,138	53,340	75,143	0,634	2,323	67,119	26,111	3,158	7,670	283,466
0,67/12	15,090	37,241	58,189	68,881	0,581	2,130	61,525	23,935	2,894	7,070	277,496
0,67/13	16,347	40,344	63,038	63,582	0,536	1,966	56,793	22,094	2,672	6,490	273,862
0,67/14	17,604	43,448	67,887	59,041	0,498	1,826	52,736	20,515	2,481	6,026	272,062
0,67/15	18,862	46,551	72,736	55,105	0,465	1,704	49,220	19,148	2,316	5,624	271,731
0,67/16	20,119	49,655	77,585	51,661	0,436	1,597	46,144	17,951	2,171	5,273	272,592
0,67/17	21,377	52,758	82,435	48,622	0,410	1,503	43,430	16,895	2,043	4,963	274,435
0,67/18	22,634	55,862	87,284	45,921	0,387	1,420	41,017	15,956	1,930	4,687	277,097
0,67/19	23,892	58,965	92,133	43,504	0,367	1,345	38,858	15,117	1,828	4,440	280,448
0,67/20	25,149	62,068	96,982	41,328	0,348	1,278	36,915	14,361	1,737	4,218	284,385
0,67/21	26,407	65,172	101,831	39,360	0,332	1,217	35,157	13,677	1,654	4,017	288,825
0,67/22	27,664	68,275	106,680	37,571	0,317	1,162	33,559	13,055	1,579	3,835	293,697
0,67/23	28,922	71,379	111,529	35,938	0,303	1,111	32,100	12,488	1,510	3,668	298,947
0,67/24	30,179	74,482	116,378	34,440	0,290	1,065	30,763	11,967	1,447	3,515	304,528
0,67/25	31,436	77,585	121,227	33,063	0,279	1,022	29,532	11,489	1,389	3,375	310,398
0,67/26	32,694	80,689	126,076	31,791	0,268	0,983	28,396	11,047	1,336	3,245	316,525
0,67/27	33,951	83,792	130,925	30,614	0,258	0,947	27,345	10,638	1,286	3,125	322,881
0,67/28	35,209	86,896	135,775	29,520	0,249	0,913	26,368	10,258	1,240	3,013	329,440
0,67/29	36,466	89,999	140,624	28,502	0,240	0,881	25,459	9,904	1,198	2,909	336,183

0.632 2.55						B-6:	Ток=6,25,	$\alpha_{\rm p} = 0.63$				
0.6312 17.90 17.	0,63/1	1,257	2,931	4,580	826,570				287,217	34,733	84,367	2012,488
0.6343												
0.6356 6.287 14.656 22.901 165.314 1.394 5.112 147.661 57.438 6.047 16.837 444.889 0.637 8.802 20.519 32.061 118.081 0.999 3.681 10.6472 41.031 4.962 12.052 347.627 0.639 11.317 26.881 41.221 91.841 0.774 2.346 35.902 4.342 10.546 30.615 0.6301 11.337 26.881 31.281 0.774 2.860 82.034 31.913 35.850 2.374 301.555 0.6311 13.832 32.244 80.881 5.734 0.631 16.331 13.348 7.574.3 0.631 16.331 16.341 3.990 3.818 2.109 6.1,255 29.395 2.994 7.031 272.022 2.024 2.026 2.026 2.026 2.038 3.048 2.248 2.029 2.0272 2.69.93 0.631 18.864 4.990 8.722 5.110 0.908 1.826												
1,636 7,545 17,588 27,481 137,762 1,162 4,260 123,051 47,869 5,789 14,061 386,566 16,067 34											16,873	
0.637												
10,666 10,066 23,450 36,641 103,321 0,871 3,195 92,288 35,902 4,342 10,546 320,615 12,575 29,313 45,801 82,657 0,697 2,556 73,831 28,722 3,473 8,437 288,060 0,63/11 13,832 32,244 30,881 75,143 0,634 2,323 67,119 24,111 3,188 7,670 278,613 0,63/12 15,090 35,175 34,061 83,881 0,581 2,130 61,525 23,935 23,939 2,731 272,202 0,63/13 16,347 83,106 89,541 63,582 0,536 1,966 56,793 22,044 2,672 6,490 268,127 0,63/14 17,640 41,038 41,211 59,041 0,498 1,826 52,736 20,515 2,481 6,026 265,886 0,63/15 18,862 43,969 68,702 55,105 0,465 1,704 49,220 19,148 2,316 5,624 265,186 0,63/16 20,191 46,940 37,322 51,66 0,436 1,707 40,144 1,795 2,171 5,273 265,534 0,63/17 21,377 49,811 77,862 48,622 0,410 1,593 44,401 1,795 2,171 5,273 265,534 0,63/18 22,634 52,763 82,422 45,921 0,367 1,455 38,888 15,117 1,328 4,460 272,067 0,63/20 25,149 86,625 91,602 41,328 0,388 1,278 36,915 14,361 1,737 4,218 275,650 0,63/21 2,667 61,557 61,823 61,825 61,936 61,												
0.6390 11.317 26.383 41.221 91.841 0.774 2.840 82.034 31.133 38.599 9.374 301.555 0.63/11 13.832 32.244 50.381 75.143 0.634 2.323 67.119 26.111 3.158 7.670 278.613 0.63/12 15.040 38.106 59.826 0.581 2.130 61.525 23.935 2.204 7.031 272.620 0.63/14 17.604 41.038 64.121 59.041 0.488 1.066 56.793 22.094 2.027 6.696 2.038 2.094 7.031 272.02 2.058 6.6026 268.814 0.6316 0.6316 1.0408 4.121 1.904 4.120 19.148 2.1416 5.024 2.058 2.041 5.026 2.6818 6.026 268.814 0.6317 2.1376 2.021 1.141 1.905 1.910 4.682 2.0534 2.634 2.634 2.634 5.265 4.642 4.028 4.948 2.22												
0.6319 0.6321 0.575 29.313 45.801 82.657 0.697 2.556 73.831 28.722 3.473 8.437 288.000 0.6311 3.832 32.244 50.381 75.143 0.634.2 2.323 67.119 2.6111 3.158 7.670 278.613 0.6312 15.090 35.175 54.961 68.881 0.581 2.130 61.525 23.935 2.894 7.031 272.202 0.63713 16.347 8.106 59.541 63.582 0.536 1.966 56.793 2.2094 2.672 6.490 2.6812 0.63113 16.347 8.106 64.121 59.041 0.498 1.826 52.736 20.515 2.491 6.026 2.65.886 0.63115 18.862 43.969 68.702 55.105 0.465 1.704 49.220 19.148 2.316 5.624 2.65.114 0.63115 18.862 43.969 68.702 55.105 0.465 1.704 49.220 19.148 2.316 5.624 2.65.114 0.63116 2.019 4.6900 73.282 51.661 0.436 1.597 46.144 17.951 2.171 5.273 265.534 0.63117 21.377 49.831 77.862 48.622 0.410 1.503 43.430 16.895 2.043 4.963 2.669.31 0.63118 2.634 52.634 52.763 82.442 45.21 0.387 1.420 41.017 1.5556 1.930 4.6687 2.69.157 0.6320 25.149 5.6525 91.602 41.328 0.367 1.345 3.8858 15.117 1.828 4.440 272.07 0.6320 25.149 5.6525 91.602 41.328 0.368 1.278 3.6915 14.361 1.737 4.218 275.562 0.6322 27.664 64.488 100.762 37.571 0.337 1.162 33.559 13.055 1.579 3.835 28.890 1.6322 27.664 64.488 100.762 37.571 0.307 1.102 2.8523 1.189 1.002 37.571 0.0372 2.003 2.00												
0.6312												
0.6312 15,090 35,175 54,961 68,881 0.581 2.130 61,525 23,935 2.894 7.031 272,202 0.6313 16,347 38,106 59,541 63,582 0.536 1.966 56,793 22,944 2,672 6,490 268,127 0.6314 17,604 41,038 64,121 59,041 0.498 1.826 52,736 20,515 2,481 6,026 265,886 0.6315 18,862 43,969 68,702 55,105 0.465 1.704 49,220 19,148 2,316 5,624 265,134 0.6311 21,171 5,737 265,534 0.6311 21,171 5,737 22,531 2,481 6,026 265,586 0.6316 2.043 1.597 46,144 17,951 2,171 5,273 265,534 0.6311 21,371 49,831 77,862 48,622 0.410 1.503 43,430 1.6895 2,043 4,963 266,936 0.6318 22,634 52,636 82,442 45,921 0.387 1.420 41,107 15,956 1,900 4,687 209,157 0.6319 23,892 55,694 87,022 43,594 0.367 1.345 38,858 15,117 1.828 4,440 272,067 0.6320 25,149 58,625 91,602 41,238 0.348 1.278 3.6915 14,361 1,737 4,218 275,562 0.6322 27,664 64,488 100,762 37,571 0.317 1.162 33,559 13,055 1,579 3,835 283,991 0.6323 289,922 67,419 105,342 35,938 0.303 1.111 32,100 12,488 1,510 3,668 288,891 0.6324 30,197 70,350 109,922 34,440 0.290 1.065 30,763 11,967 1,447 3,515 293,940 0.6323 34,960 76,213 119,083 31,791 0.268 0.983 28,396 11,947 1,336 3,245 305,056 0.6325 31,436 1,436												
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0,75/29 36,466 101,198 158,123 28,502 0,240 0,881 25,459 9,904 1,198 2,909 364,881 $B-8: T_{0K}=6,25, \alpha_p=0,80$								· ·				
B-8: T_{0K} =6,25, α_p =0,80	0,75/27	35.209	97.709	132.070	49.340							
	0,75/27 0,75/28				· ·							
	0,75/27 0,75/28				· ·	0,240	0,881	25,459				

0,80/2	2,515	7,444	11,632	413,285	3,485	12,779	369,153	143,608	17,366	42,183	1023,451
0,80/3	3,772	11,167	17,448	275,523	2,323	8,519	246,102	95,739	11,578	28,122	700,294
0,80/4	5,030	14,889	23,264	206,642	1,742	6,389	184,576	71,804	8,683	21,092	544,113
0,80/5	6,287	18,611	29,080	165,314	1,394	5,112	147,661	57,443	6,947	16,873	454,722
0,80/6	7,545	22,333	34,896	137,762	1,162	4,260	123,051	47,869	5,789	14,061	398,727
0,80/7	8,802	26,056	40,712	118,081	0,996	3,651	105,472	41,031	4,962	12,052	361,816
0,80/8	10,060	29,778	46,528	103,321	0,871	3,195	92,288	35,902	4,342	10,546	336,831
0,80/9	11,317	33,500	52,344	91,841	0,774	2,840	82,034	31,913	3,859	9,374	319,797
0,80/10	12,575	37,222	58,160	82,657	0,697	2,556	73,831	28,722	3,473	8,437	308,329
0,80/11	13,832	40,945	63,976	75,143	0,634	2,323	67,119	26,111	3,158	7,670	300,909
0,80/12	15,090	44,667	69,792	68,881	0,581	2,130	61,525	23,935	2,894	7,031	296,525
0,80/13	16,347	48,389	75,608	63,582	0,536	1,966	56,793	22,094	2,672	6,490	294,476
0,80/14	17,604	52,111	81,424	59,041	0,498	1,826	52,736	20,515	2,481	6,026	294,263
0,80/15	18,862	55,834	87,240	55,105	0,465	1,704	49,220	19,148	2,316	5,624	295,517
0,80/16	20,119	59,556	93,056	51,661	0,436	1,597	46,144	17,951	2,171	5,273	297,964
0,80/17	21,377	63,278	98,872	48,622	0,410	1,503	43,430	16,895	2,043	4,963	301,393
0,80/18	22,634	67,000	104,688	45,921	0,387	1,420	41,017	15,956	1,930	4,687	305,640
0,80/19	23,892	70,723	110,504	43,504	0,367	1,345	38,858	15,117	1,828	4,440	310,577
0,80/20	25,149	74,445	116,320	41,328	0,348	1,278	36,915	14,361	1,737	4,218	316,100
0,80/21	26,407	78,167	122,136	39,360	0,332	1,217	35,157	13,677	1,654	4,017	322,125
0,80/22	27,664	81,889	127,952	37,571	0,317	1,162	33,559	13,055	1,579	3,835	328,584
0,80/23	28,922	85,612	133,768	35,938	0,303	1,111	32,100	12,488	1,510	3,668	335,419
0,80/24	30,179	89,334	139,584	34,440	0,290	1,065	30,763	11,967	1,447	3,515	342,585
0,80/25	31,436	93,056	145,400	33,063	0,279	1,022	29,532	11,489	1,389	3,375	350,041
0,80/26	32,694	96,778	151,216	31,791	0,268	0,983	28,396	11,047	1,336	3,245	357,754
0,80/27	33,951	100,500	157,032	30,614	0,258	0,947	27,345	10,638	1,286	3,125	365,696
0,80/28	35,209	104,223	162,848	29,520	0,249	0,913	26,368	10,258	1,240	3,013	373,841
0,80/29	36,466	107,945	168,664	28,502	0,240	0,881	25,459	9,904	1,198	2,909	382,169
					В-	9: Τ _{οκ} =2,	$\alpha_p=0,5$				
0,50/1	1,509	8,724	8,724	906,449	8,364	30,670	738,305	344,660	41,680	101,240	2047,405
0,50/2	3,018	17,448	17,448	453,224	4,182	15,335	369,153	172,330	20,840	50,620	1052,138
0,50/3	4,527	26,172	26,172	302,150	2,788	10,223	246,102	114,887	13,893	33,747	733,021
0,50/4											
	6,036	34,896	34,896	226,612	2,091	7,667	184,576	86,165	10,420	25,310	582,939
0,50/5	7,545	43,620	43,620	181,290	1,673	6,134	147,661	68,932	8,336	20,248	500,475
0,50/5 0,50/6	7,545 9,054	43,620 52,344	43,620 52,344	181,290 151,075	1,673 1,394	6,134 5,112	147,661 123,051	68,932 57,443	8,336 6,947	20,248 16,873	500,475 451,817
0,50/5 0,50/6 0,50/7	7,545 9,054 10,563	43,620 52,344 61,068	43,620 52,344 61,068	181,290 151,075 129,493	1,673 1,394 1,195	6,134 5,112 4,381	147,661 123,051 105,472	68,932 57,443 49,237	8,336 6,947 5,954	20,248 16,873 14,463	500,475 451,817 422,477
0,50/5 0,50/6 0,50/7 0,50/8	7,545 9,054 10,563 12,072	43,620 52,344 61,068 69,792	43,620 52,344 61,068 69,792	181,290 151,075 129,493 113,306	1,673 1,394 1,195 1,045	6,134 5,112 4,381 3,834	147,661 123,051 105,472 92,288	68,932 57,443 49,237 43,083	8,336 6,947 5,954 5,210	20,248 16,873 14,463 12,655	500,475 451,817 422,477 405,212
0,50/5 0,50/6 0,50/7 0,50/8 0,50/9	7,545 9,054 10,563 12,072 13,581	43,620 52,344 61,068 69,792 78,516	43,620 52,344 61,068 69,792 78,516	181,290 151,075 129,493 113,306 100,717	1,673 1,394 1,195 1,045 0,929	6,134 5,112 4,381 3,834 3,408	147,661 123,051 105,472 92,288 82,034	68,932 57,443 49,237 43,083 38,296	8,336 6,947 5,954 5,210 4,631	20,248 16,873 14,463 12,655 11,249	500,475 451,817 422,477 405,212 395,997
0,50/5 0,50/6 0,50/7 0,50/8 0,50/9 0,50/10	7,545 9,054 10,563 12,072 13,581 15,090	43,620 52,344 61,068 69,792 78,516 87,240	43,620 52,344 61,068 69,792 78,516 87,240	181,290 151,075 129,493 113,306 100,717 90,645	1,673 1,394 1,195 1,045 0,929 0,836	6,134 5,112 4,381 3,834 3,408 3,067	147,661 123,051 105,472 92,288 82,034 73,831	68,932 57,443 49,237 43,083 38,296 34,466	8,336 6,947 5,954 5,210 4,631 4,168	20,248 16,873 14,463 12,655 11,249 10,124	500,475 451,817 422,477 405,212 395,997 392,415
0,50/5 0,50/6 0,50/7 0,50/8 0,50/9 0,50/10 0,50/11	7,545 9,054 10,563 12,072 13,581 15,090 16,598	43,620 52,344 61,068 69,792 78,516 87,240 95,964	43,620 52,344 61,068 69,792 78,516 87,240 95,964	181,290 151,075 129,493 113,306 100,717 90,645 82,404	1,673 1,394 1,195 1,045 0,929 0,836 0,760	6,134 5,112 4,381 3,834 3,408 3,067 2,788	147,661 123,051 105,472 92,288 82,034 73,831 67,119	68,932 57,443 49,237 43,083 38,296 34,466 31,333	8,336 6,947 5,954 5,210 4,631 4,168 3,789	20,248 16,873 14,463 12,655 11,249 10,124 9,204	500,475 451,817 422,477 405,212 395,997 392,415 392,930
0,50/5 0,50/6 0,50/7 0,50/8 0,50/9 0,50/10 0,50/11 0,50/12	7,545 9,054 10,563 12,072 13,581 15,090 16,598 18,107	43,620 52,344 61,068 69,792 78,516 87,240 95,964 104,688	43,620 52,344 61,068 69,792 78,516 87,240 95,964 104,688	181,290 151,075 129,493 113,306 100,717 90,645 82,404 75,537	1,673 1,394 1,195 1,045 0,929 0,836 0,760 0,697	6,134 5,112 4,381 3,834 3,408 3,067 2,788 2,556	147,661 123,051 105,472 92,288 82,034 73,831 67,119 61,525	68,932 57,443 49,237 43,083 38,296 34,466 31,333 28,722	8,336 6,947 5,954 5,210 4,631 4,168 3,789 3,473	20,248 16,873 14,463 12,655 11,249 10,124 9,204 8,437	500,475 451,817 422,477 405,212 395,997 392,415 392,930 396,520
0,50/5 0,50/6 0,50/7 0,50/8 0,50/9 0,50/10 0,50/11 0,50/12 0,50/13	7,545 9,054 10,563 12,072 13,581 15,090 16,598 18,107 19,616	43,620 52,344 61,068 69,792 78,516 87,240 95,964 104,688 113,412	43,620 52,344 61,068 69,792 78,516 87,240 95,964 104,688 113,412	181,290 151,075 129,493 113,306 100,717 90,645 82,404 75,537 69,727	1,673 1,394 1,195 1,045 0,929 0,836 0,760 0,697 0,643	6,134 5,112 4,381 3,834 3,408 3,067 2,788 2,556 2,359	147,661 123,051 105,472 92,288 82,034 73,831 67,119 61,525 56,793	68,932 57,443 49,237 43,083 38,296 34,466 31,333 28,722 26,512	8,336 6,947 5,954 5,210 4,631 4,168 3,789 3,473 3,206	20,248 16,873 14,463 12,655 11,249 10,124 9,204 8,437 7,788	500,475 451,817 422,477 405,212 395,997 392,415 392,930 396,520 402,474
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0,50/5 0,50/6 0,50/7 0,50/8 0,50/9 0,50/10 0,50/11 0,50/12 0,50/13 0,50/14 0,50/15 0,50/16	7,545 9,054 10,563 12,072 13,581 15,090 16,598 18,107 19,616 21,125 22,634 24,143	43,620 52,344 61,068 69,792 78,516 87,240 95,964 104,688 113,412 122,136 130,860 139,584	43,620 52,344 61,068 69,792 78,516 87,240 95,964 104,688 113,412 122,136 130,860 139,584	181,290 151,075 129,493 113,306 100,717 90,645 82,404 75,537 69,727 64,746 60,430 56,653	1,673 1,394 1,195 1,045 0,929 0,836 0,760 0,697 0,643 0,597 0,558 0,523	6,134 5,112 4,381 3,834 3,408 3,067 2,788 2,556 2,359 2,191 2,045 1,917	147,661 123,051 105,472 92,288 82,034 73,831 67,119 61,525 56,793 52,736 49,220 46,144	68,932 57,443 49,237 43,083 38,296 34,466 31,333 28,722 26,512 24,619 22,977 21,541	8,336 6,947 5,954 5,210 4,631 4,168 3,789 3,473 3,206 2,977 2,779 2,605	20,248 16,873 14,463 12,655 11,249 10,124 9,204 8,437 7,788 7,231 6,749 6,328	500,475 451,817 422,477 405,212 395,997 392,415 392,930 396,520 402,474 410,286 419,584 430,089
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0,50/5 0,50/6 0,50/7 0,50/8 0,50/9 0,50/10 0,50/11 0,50/12 0,50/13 0,50/14 0,50/15 0,50/16 0,50/17 0,50/18 0,50/19 0,50/20	7,545 9,054 10,563 12,072 13,581 15,090 16,598 18,107 19,616 21,125 22,634 24,143 25,652 27,161 28,670 30,179	43,620 52,344 61,068 69,792 78,516 87,240 95,964 104,688 113,412 122,136 130,860 139,584 148,308 157,032 165,756 174,480	43,620 52,344 61,068 69,792 78,516 87,240 95,964 104,688 113,412 122,136 130,860 139,584 148,308 157,032 165,756 174,480	181,290 151,075 129,493 113,306 100,717 90,645 82,404 75,537 69,727 64,746 60,430 56,653 53,321 50,358 47,708 45,322	1,673 1,394 1,195 1,045 0,929 0,836 0,760 0,697 0,643 0,597 0,558 0,523 0,492 0,465 0,440 0,418	6,134 5,112 4,381 3,834 3,408 3,067 2,788 2,556 2,359 2,191 2,045 1,917 1,804 1,704 1,614 1,533	147,661 123,051 105,472 92,288 82,034 73,831 67,119 61,525 56,793 52,736 49,220 46,144 43,430 41,017 38,858 36,915	68,932 57,443 49,237 43,083 38,296 34,466 31,333 28,722 26,512 24,619 22,977 21,541 20,274 19,148 18,140 17,233	8,336 6,947 5,954 5,210 4,631 4,168 3,789 3,473 3,206 2,977 2,779 2,605 2,452 2,316 2,194 2,084	20,248 16,873 14,463 12,655 11,249 10,124 9,204 8,437 7,788 7,231 6,749 6,328 5,955 5,624 5,328 5,062	500,475 451,817 422,477 405,212 395,997 392,415 392,930 396,520 402,474 410,286 419,584 430,089 441,589 453,917 466,942 480,560
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0,50/5 0,50/6 0,50/7 0,50/8 0,50/9 0,50/10 0,50/11 0,50/12 0,50/13 0,50/14 0,50/15 0,50/16 0,50/17 0,50/19 0,50/20 0,50/21 0,50/22 0,50/23 0,50/24 0,50/25 0,50/27 0,50/28	7,545 9,054 10,563 12,072 13,581 15,090 16,598 18,107 19,616 21,125 22,634 24,143 25,652 27,161 28,670 30,179 31,688 33,197 34,706 36,215 37,724 39,233 40,742 42,251	43,620 52,344 61,068 69,792 78,516 87,240 95,964 104,688 113,412 122,136 130,860 139,584 148,308 157,032 165,756 174,480 183,204 191,928 200,652 209,376 218,100 226,824 235,548 244,272	43,620 52,344 61,068 69,792 78,516 87,240 95,964 104,688 113,412 122,136 130,860 139,584 148,308 157,032 165,756 174,480 183,204 191,928 200,652 209,376 218,100 226,824 235,548 244,272	181,290 151,075 129,493 113,306 100,717 90,645 82,404 75,537 69,727 64,746 60,430 56,653 53,321 50,358 47,708 45,322 43,164 41,202 39,411 37,769 36,258 34,863 33,572 32,373	1,673 1,394 1,195 1,045 0,929 0,836 0,760 0,697 0,643 0,597 0,558 0,523 0,492 0,465 0,440 0,418 0,398 0,380 0,364 0,348 0,335 0,322 0,310 0,299 0,288	6,134 5,112 4,381 3,834 3,408 3,067 2,788 2,556 2,359 2,191 2,045 1,917 1,804 1,704 1,614 1,533 1,460 1,394 1,333 1,278 1,227 1,180 1,136 1,095	147,661 123,051 105,472 92,288 82,034 73,831 67,119 61,525 56,793 52,736 49,220 46,144 43,430 41,017 38,858 36,915 35,157 33,559 32,100 30,763 29,532 28,396 27,345 26,368 25,459 α _p =0,33	68,932 57,443 49,237 43,083 38,296 34,466 31,333 28,722 26,512 24,619 22,977 21,541 20,274 19,148 18,140 17,233 16,412 15,666 14,985 14,361 13,786 13,256 12,765 12,309	8,336 6,947 5,954 5,210 4,631 4,168 3,789 3,473 3,206 2,977 2,779 2,605 2,452 2,316 2,194 2,084 1,985 1,895 1,812 1,737 1,667 1,603 1,544 1,489 1,437	20,248 16,873 14,463 12,655 11,249 10,124 9,204 8,437 7,788 7,231 6,749 6,328 5,955 5,624 5,328 5,062 4,821 4,602 4,402 4,218 4,050 3,894 3,750 3,616	500,475 451,817 422,477 405,212 395,997 392,415 392,930 396,520 402,474 410,286 419,584 430,089 441,589 453,917 466,942 480,560 494,687 509,254 524,203 539,486 555,062 570,898 586,966 603,239
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0,50/5 0,50/6 0,50/7 0,50/8 0,50/9 0,50/10 0,50/11 0,50/12 0,50/13 0,50/14 0,50/15 0,50/16 0,50/17 0,50/18 0,50/20 0,50/21 0,50/22 0,50/23 0,50/24 0,50/25 0,50/25 0,50/26 0,50/29 0,33/1	7,545 9,054 10,563 12,072 13,581 15,090 16,598 18,107 19,616 21,125 22,634 24,143 25,652 27,161 28,670 30,179 31,688 33,197 34,706 36,215 37,724 39,233 40,742 42,251 43,760 1,509	43,620 52,344 61,068 69,792 78,516 87,240 95,964 104,688 113,412 122,136 130,860 139,584 148,308 157,032 165,756 174,480 183,204 191,928 200,652 209,376 218,100 226,824 235,548 244,272 252,996	43,620 52,344 61,068 69,792 78,516 87,240 95,964 104,688 113,412 122,136 130,860 139,584 148,308 157,032 165,756 174,480 183,204 191,928 200,652 209,376 218,100 226,824 235,548 244,272 252,996	181,290 151,075 129,493 113,306 100,717 90,645 82,404 75,537 69,727 64,746 60,430 56,653 53,321 50,358 47,708 45,322 43,164 41,202 39,411 37,769 36,258 34,863 33,572 32,373 31,257	1,673 1,394 1,195 1,045 0,929 0,836 0,760 0,697 0,643 0,597 0,558 0,523 0,492 0,465 0,440 0,418 0,398 0,380 0,364 0,348 0,335 0,322 0,310 0,299 0,288 B-1	6,134 5,112 4,381 3,834 3,408 3,067 2,788 2,556 2,359 2,191 2,045 1,917 1,804 1,704 1,614 1,533 1,460 1,394 1,333 1,278 1,227 1,180 1,136 1,095 1,058 0: Tok=2, 30,670	147,661 123,051 105,472 92,288 82,034 73,831 67,119 61,525 56,793 52,736 49,220 46,144 43,430 41,017 38,858 36,915 35,157 33,559 32,100 30,763 29,532 28,396 27,345 26,368 25,459 α_p =0,33 738,305	68,932 57,443 49,237 43,083 38,296 34,466 31,333 28,722 26,512 24,619 22,977 21,541 20,274 19,148 18,140 17,233 16,412 15,666 14,985 14,361 13,786 13,256 12,765 12,309 11,885	8,336 6,947 5,954 5,210 4,631 4,168 3,789 3,473 3,206 2,977 2,779 2,605 2,452 2,316 2,194 2,084 1,985 1,895 1,812 1,737 1,667 1,603 1,544 1,489 1,437	20,248 16,873 14,463 12,655 11,249 10,124 9,204 8,437 7,788 7,231 6,749 6,328 5,955 5,624 5,962 4,821 4,602 4,402 4,218 4,050 3,894 3,750 3,616 3,491	500,475 451,817 422,477 405,212 395,997 392,415 392,930 396,520 402,474 410,286 419,584 430,089 441,589 453,917 466,942 480,560 494,687 509,254 524,203 539,486 555,062 570,898 586,966 603,239 619,699

0,33/4	6,036	23,241	23,241	150,924	2,091	7,667	184,576	86,165	10,420	25,310	483,941
0,33/5	7,545	29,051	29,051	120,739	1,673	6,134	147,661	68,932	8,336	20,248	410,786
0,33/6	9,054	34,861	34,861	100,616	1,394	5,112	123,051	57,443	6,947	16,873	366,392
0,33/7	10,563	40,671	40,671	86,242	1,195	4,381	105,472	49,237	5,954	14,463	338,432
0,33/8	12,072	46,481	46,481	75,462	1,045	3,834	92,288	43,083	5,210	12,655	320,746
0,33/9	13,581	52,292	52,292	67,077	0,929	3,408	82,034	38,296	4,631	11,249	309,909
0,33/10	15,090	58,102	58,102	60,369	0,836	3,067	73,831	34,466	4,168	10,124	303,863
0,33/11	16,598	63,912	63,912	54,881	0,760	2,788	67,119	31,333	3,789	9,204	301,303
0,33/12	18,107	69,722	69,722	50,308	0,697	2,556	61,525	28,722	3,473	8,437	301,359
0,33/13	19,616	75,532	75,532	46,438	0,643	2,359	56,793	26,512	3,206	7,788	303,425
0,33/14	21,125	81,343	81,343	43,121	0,597	2,191	52,736	24,619	2,977	7,231	307,075
0,33/15	22,634	87,153	87,153	40,246	0,558	2,045	49,220	22,977	2,779	6,749	311,986
0,33/16	24,143	92,963	92,963	37,731	0,523	1,917	46,144	21,541	2,605	6,328	317,925
0,33/17	25,652	98,773	98,773	35,511	0,492	1,804	43,430	20,274	2,452	5,955	324,709
0,33/18	27,161	104,583	104,583	33,539	0,465	1,704	41,017	19,148	2,316	5,624	332,200
0,33/19	28,670	110,393	110,393	31,773	0,440	1,614	38,858	18,140	2,194	5,328	340,281
0,33/20	30,179	116,204	116,204	30,185	0,418	1,533	36,915	17,233	2,084	5,062	348,871
0,33/21	31,688	122,014	122,014	28,747	0,398	1,460	35,157	16,412	1,985	4,821	357,890
0,33/22	33,197	127,824	127,824	27,441	0,380	1,394	33,559	15,666	1,895	4,602	367,285
0,33/23	34,706	133,634	133,634	26,248	0,364	1,333	32,100	14,985	1,812	4,402	377,004
0,33/24	36,215	139,444	139,444	25,154	0,348	1,278	30,763	14,361	1,737	4,218	387,007
0,33/25	37,724	145,255	145,255	24,148	0,335	1,227	29,532	13,786	1,667	4,050	397,262
0,33/26	39,233	151,065	151,065	23,219	0,333	1,180	28,396	13,256	1,603	3,894	407,736
0,33/27	40,742	156,875	156,875	22,359	0,310	1,136	27,345	12,765	1,544	3,750	418,407
0,33/28	42,251	162,685	162,685	21,561	0,299	1,095	26,368	12,709	1,489	3,616	429,253
0,33/29	43,760	168,495	168,495	20,817	0,288	1,058	25,459	11,885	1,437	3,491	440,257
0,88725	15,700	100,150	100,150	20,017		1: T _{ok} =2,		11,000	1,.07	2,.,1	, ,
0,25/1	1,509	4,362	4,362	453,224	8,364	30,670	738,305	344,660	41,680	101,240	1585,456
0,25/2	3,018	8,724	8,724	226,612	4,182	15,335	369,153	172,330	20,840	50,620	808,078
0,25/3	4,527	13,086	13,086	151,075	2,788	10,223	246,102	114,887	13,893	33,747	555,774
0,25/4	6,036	17,448	17,448	113,306	2,091	7,667	184,576	86,165	10,420	25,310	434,737
0,25/5	7,545	21,810	21,810	90,645	1,673	6,134	147,661	68,932	8,336	20,248	366,210
0,25/6	9,054	26,172	26,172	75,537	1,394	5,112	123,051	57,443	6,947	16,873	323,935
0,25/7	10,563	30,534	30,534	64,746	1,195	4,381	105,472	49,237	5,954	14,463	296,662
0,25/8	12,072	34,896	34,896	56,653	1,045	3,834	92,288	43,083	5,210	12,655	278,767
0,25/9	13,581	39,258	39,258	50,358	0,929	3,408	82,034	38,296	4,631	11,249	267,122
0,25/10	15,090	43,620	43,620	45,322	0,836	3,067	73,831	34,466	4,168	10,124	259,852
0,25/11	16,598	47,982	47,982	41,202	0,760	2,788	67,119	31,333	3,789	9,204	255,764
0,25/12	18,107	52,344	52,344	37,769	0,697	2,556	61,525	28,722	3,473	8,437	254,064
0,25/13	19,616	56,706	56,706	34,863	0,643	2,359	56,793	26,512	3,206	7,788	254,198
0,25/14	21,125	61,068	61,068	32,373	0,597	2,191	52,736	24,619	2,977	7,231	255,777
0,25/15	22,634	65,430	65,430	30,215	0,558	2,045	49,220	22,977	2,779	6,749	258,509
0,25/16	24,143	69,792	69,792	28,327	0,523	1,917	46,144	21,541	2,605	6,328	262,179
0,25/17	25,652	74,154	74,154	26,660	0,492	1,804	43,430	20,274	2,452	5,955	266,620
0,25/18	27,161	78,516	78,516	25,179	0,465	1,704	41,017	19,148	2,316	5,624	271,706
0,25/19	28,670	82,878	82,878	23,854	0,440	1,614	38,858	18,140	2,194	5,328	277,332
0,25/20	30,179	87,240	87,240	22,661	0,418	1,533	36,915	17,233	2,084	5,062	283,419
0,25/21	31,688	91,602	91,602	21,582	0,398	1,460	35,157	16,412	1,985	4,821	289,901
0,25/22	33,197	95,964	95,964	20,601	0,380	1,394	33,559	15,666	1,895	4,602	296,725
0,25/23	34,706	100,326	100,326	19,705	0,364	1,333	32,100	14,985	1,812	4,402	303,845
0,25/24	36,215	104,688	104,688	18,884	0,348	1,278	30,763	14,361	1,737	4,218	311,225
0,25/25	37,724	109,050	109,050	18,129	0,335	1,227	29,532	13,786	1,667	4,050	318,833
0,25/26	39,233	113,412	113,412	17,432	0,322	1,180	28,396	13,256	1,603	3,894	326,643
0,25/27	40,742	117,774	117,774	16,786	0,310	1,136	27,345	12,765	1,544	3,750	334,632
0,25/28	42,251	122,136	122,136	16,187	0,299	1,095	26,368	12,309	1,489	3,616	342,781
0,25/29	43,760	126,498	126,498	15,628	0,288	1,058	25,459	11,885	1,437	3,491	351,074
					B-12	2: Τ _{οκ} =2,	$\alpha_p=0,20$	_			
0,20/1	1,509	3,490	3,490	362,579	8,364	30,670	738,305	344,660	41,680	101,240	1493,067
-,				101 200	4,182	15,335	369,153	172,330	20,840	50,620	759,266
0,20/2	3,018	6,979	6,979	181,290	4,162	10,000	307,133	,		,	,
	3,018 4,527	6,979 10,469	10,469	181,290	2,788	10,223	246,102	114,887	13,893	33,747	520,325
0,20/2 0,20/3 0,20/4			10,469 13,958	120,860 90,645							520,325 405,096
0,20/2 0,20/3	4,527	10,469	10,469	120,860	2,788	10,223	246,102	114,887	13,893	33,747	520,325

0,20/6	9,054	20,938	20,938	60,430	1,394	5,112	123,051	57,443	6,947	16,873	298,360
0,20/7	10,563	24,427	24,427	51,797	1,195	4,381	105,472	49,237	5,954	14,463	271,499
0,20/8	12,072	27,917	27,917	45,322	1,045	3,834	92,288	43,083	5,210	12,655	253,478
0,20/9	13,581	31,406	31,406	40,287	0,929	3,408	82,034	38,296	4,631	11,249	241,347
0,20/10	15,090	34,896	34,896	36,258	0,836	3,067	73,831	34,466	4,168	10,124	233,340
0,20/11	16,598	38,386	38,386	32,962	0,760	2,788	67,119	31,333	3,789	9,204	228,332
0,20/12	18,107	41,875	41,875	30,215	0,697	2,556	61,525	28,722	3,473	8,437	225,572
0,20/13	19,616	45,365	45,365	27,891	0,643	2,359	56,793	26,512	3,206	7,788	224,544
0,20/14	21,125	48,854	48,854	25,899	0,597	2,191	52,736	24,619	2,977	7,231	224,875
0,20/15	22,634	52,344	52,344	24,172	0,558	2,045	49,220	22,977	2,779	6,749	226,294
0,20/16	24,143	55,834	55,834	22,661	0,523	1,917	46,144	21,541	2,605	6,328	228,597
0,20/17	25,652	59,323	59,323	21,328	0,492	1,804	43,430	20,274	2,452	5,955	231,626
0,20/18	27,161	62,813	62,813	20,143	0,465	1,704	41,017	19,148	2,316	5,624	235,264
0,20/19	28,670	66,302	66,302	19,083	0,440	1,614	38,858	18,140	2,194	5,328	239,409
0,20/20	30,179	69,792	69,792	18,129	0,418	1,533	36,915	17,233	2,084	5,062	243,991
0,20/21	31,688	73,282	73,282	17,266	0,398	1,460	35,157	16,412	1,985	4,821	248,945
0,20/22	33,197	76,771	76,771	16,481	0,380	1,394	33,559	15,666	1,895	4,602	254,219
0,20/23	34,706	80,261	80,261	15,764	0,364	1,333	32,100	14,985	1,812	4,402	259,774
0,20/24	36,215	83,750	83,750	15,107	0,348	1,278	30,763	14,361	1,737	4,218	265,572
0,20/25	37,724	87,240	87,240	14,503	0,335	1,227	29,532	13,786	1,667	4,050	271,587
0,20/26	39,233	90,730	90,730	13,945	0,322	1,180	28,396	13,756	1,603	3,894	277,792
0,20/27	40,742	94,219	94,219	13,429	0,310	1,136	27,345	12,765	1,544	3,750	284,165
0,20/27	42,251	97,709	97,709	12,949	0,310	1,095	26,368	12,703	1,489	3,616	290,689
0,20/28	43,760	101,198	101,198	12,503	0,299	1,058	25,459	11,885	1,437	3,491	297,349
0,20/29	73,700	101,170	101,170	14,505		$3: T_{0\kappa} = 2,$		11,000	1,437	J, 4 /1	471,J 4 7
0,67/1	1,509	11,638	11,638	1209,202	8,364	30,670	738,305	344,660	41,680	101,240	2355,986
0,67/2	3,018	23,276	23,276	604,601	4,182	15,335	369,153	172,330	20,840	50,620	1215,171
0,67/3	4,527	34,913	34,913	403,067	2,788	10,223	246,102	114,887	13,893	33,747	851,420
0,67/4	6,036	46,551	46,551	302,301	2,788	7,667	184,576	86,165	10,420	25,310	681,938
	7,545										
0,67/5	9,054	58,189	58,189	241,840	1,673	6,134	147,661	68,932	8,336	20,248	590,163
0,67/6	10,563	69,827	69,827 81,465	201,534	1,394	5,112	123,051	57,443	6,947	16,873	537,242
0,67/7		81,465		172,743	1,195	4,381	105,472	49,237	5,954	14,463	506,521
0,67/8	12,072	93,103	93,103	151,150	1,045	3,834	92,288	43,083	5,210	12,655	489,678
0,67/9	13,581	104,740	104,740	134,356	0,929	3,408	82,034	38,296	4,631	11,249	482,084
0,67/10	15,090	116,378	116,378	120,920	0,836	3,067	73,831	34,466	4,168	10,124	480,966
0,67/11	16,598	128,016	128,016	109,927	0,760	2,788	67,119	31,333	3,789	9,204	484,557
0,67/12	18,107	139,654	139,654	100,767	0,697	2,556	61,525	28,722	3,473	8,437	491,682
0,67/13	19,616	151,292	151,292	93,016	0,643	2,359	56,793	26,512	3,206	7,788	501,523
0,67/14	21,125	162,929	162,929	86,372	0,597	2,191	52,736	24,619	2,977	7,231	513,498
0,67/15	22,634	174,567	174,567	80,613	0,558	2,045	49,220	22,977	2,779	6,749	527,181
0,67/16	24,143	186,205	186,205	75,575	0,523	1,917	46,144	21,541	2,605	6,328	542,253
0,67/17	25,652	197,843	197,843	71,130	0,492	1,804	43,430	20,274	2,452	5,955	558,468
0,67/18	27,161	209,481	209,481	67,178	0,465	1,704	41,017	19,148	2,316	5,624	575,635
0,67/19	28,670	221,119	221,119	63,642	0,440	1,614	38,858	18,140	2,194	5,328	593,602
0,67/20	30,179	232,756	232,756	60,460	0,418	1,533	36,915	17,233	2,084	5,062	612,250
0,67/21	31,688	244,394	244,394	57,581	0,398	1,460	35,157	16,412	1,985	4,821	631,484
0,67/22	33,197	256,032	256,032	54,964	0,380	1,394	33,559	15,666	1,895	4,602	651,224
0,67/23	34,706	267,670	267,670	52,574	0,364	1,333	32,100	14,985	1,812	4,402	671,402
0,67/24	36,215	279,308	279,308	50,383	0,348	1,278	30,763	14,361	1,737	4,218	691,964
0,67/25	37,724	290,945	290,945	48,368	0,335	1,227	29,532	13,786	1,667	4,050	712,862
0,67/26	39,233	302,583	302,583	46,508	0,322	1,180	28,396	13,256	1,603	3,894	734,061
0,67/27	40,742	314,221	314,221	44,785	0,310	1,136	27,345	12,765	1,544	3,750	755,525
0,67/28	42,251	325,859	325,859	43,186	0,299	1,095	26,368	12,309	1,489	3,616	777,226
0,67/29	43,760	337,497	337,497	41,697	0,288	1,058	25,459	11,885	1,437	3,491	799,141
0,07727						4: T _{οκ} =2,		1		T	
					8,364	30,670	738,305	344,660	41,680	101,240	2278,379
0,63/1	1,509	10,905	10,905	1133,061							-
0,63/1 0,63/2	3,018	21,810	21,810	566,530	4,182	15,335	369,153	172,330	20,840	50,620	1174,168
0,63/1 0,63/2 0,63/3	3,018 4,527	21,810 32,715	21,810 32,715	566,530 377,687	4,182 2,788	15,335 10,223	369,153 246,102	114,887	13,893	50,620 33,747	821,644
0,63/1 0,63/2 0,63/3 0,63/4	3,018 4,527 6,036	21,810	21,810 32,715 43,620	566,530 377,687 283,265	4,182	15,335	369,153			50,620	
0,63/1 0,63/2 0,63/3 0,63/4 0,63/5	3,018 4,527 6,036 7,545	21,810 32,715 43,620 54,525	21,810 32,715 43,620 54,525	566,530 377,687 283,265 226,612	4,182 2,788 2,091 1,673	15,335 10,223 7,667 6,134	369,153 246,102 184,576 147,661	114,887 86,165 68,932	13,893 10,420 8,336	50,620 33,747 25,310 20,248	821,644 657,040 567,607
0,63/1 0,63/2 0,63/3 0,63/4	3,018 4,527 6,036	21,810 32,715 43,620	21,810 32,715 43,620	566,530 377,687 283,265	4,182 2,788 2,091	15,335 10,223 7,667	369,153 246,102 184,576	114,887 86,165	13,893 10,420	50,620 33,747 25,310	821,644 657,040
0,63/1 0,63/2 0,63/3 0,63/4 0,63/5	3,018 4,527 6,036 7,545	21,810 32,715 43,620 54,525	21,810 32,715 43,620 54,525	566,530 377,687 283,265 226,612	4,182 2,788 2,091 1,673	15,335 10,223 7,667 6,134	369,153 246,102 184,576 147,661	114,887 86,165 68,932	13,893 10,420 8,336	50,620 33,747 25,310 20,248	821,644 657,040 567,607

0,63/8	12,072	87,240	87,240	141,633	1,045	3,834	92,288	43,083	5,210	12,655	468,435
0,63/9	13,581	98,145	98,145	125,896	0,929	3,408	82,034	38,296	4,631	11,249	460,434
0,63/10	15,090	109,050	109,050	113,306	0,836	3,067	73,831	34,466	4,168	10,124	458,696
0,63/11	16,598	119,955	119,955	103,006	0,760	2,788	67,119	31,333	3,789	9,204	461,514
0,63/12	18,107	130,860	130,860	94,422	0,697	2,556	61,525	28,722	3,473	8,437	467,749
0,63/13	19,616	141,765	141,765	87,159	0,643	2,359	56,793	26,512	3,206	7,788	476,612
0,63/14	21,125	152,670	152,670	80,933	0,597	2,191	52,736	24,619	2,977	7,231	487,541
0,63/15	22,634	163,575	163,575	75,537	0,558	2,045	49,220	22,977	2,779	6,749	500,121
0,63/16	24,143	174,480	174,480	70,816	0,523	1,917	46,144	21,541	2,605	6,328	514,044
0,63/17	25,652	185,385	185,385	66,651	0,492	1,804	43,430	20,274	2,452	5,955	529,073
0,63/18	27,161	196,290	196,290	62,948	0,465	1,704	41,017	19,148	2,316	5,624	545,023
0,63/19	28,670	207,195	207,195	59,635	0,440	1,614	38,858	18,140	2,194	5,328	561,747
0,63/20	30,179	218,100	218,100	56,653	0,418	1,533	36,915	17,233	2,084	5,062	579,131
0,63/21	31,688	229,005	229,005	53,955	0,398	1,460	35,157	16,412	1,985	4,821	597,080
0,63/22	33,197	239,910	239,910	51,503	0,380	1,394	33,559	15,666	1,895	4,602	615,519
0,63/23	34,706	250,815	250,815	49,264	0,364	1,333	32,100	14,985	1,812	4,402	634,382
0,63/24	36,215	261,720	261,720	47,211	0,348	1,278	30,763	14,361	1,737	4,218	653,616
0,63/25	37,724	272,625	272,625	45,322	0,335	1,227	29,532	13,786	1,667	4,050	673,176
0,63/26	39,233	283,530	283,530	43,579	0,322	1,180	28,396	13,256	1,603	3,894	693,026
0,63/27	40,742	294,435	294,435	41,965	0,310	1,136	27,345	12,765	1,544	3,750	713,133
0,63/28	42,251	305,340	305,340	40,466	0,299	1,095	26,368	12,309	1,489	3,616	733,468
0,63/29	43,760	316,245	316,245	39,071	0,288	1,058	25,459	11,885	1,437	3,491	754,011
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0,75/1	1,509	13,086	13,086	1359,673	8,364	30,670	738,305	344,660	41,680	101,240	2509,353
0,75/2	3,018	26,172	26,172	679,836	4,182	15,335	369,153	172,330	20,840	50,620	1296,198
0,75/3	4,527	39,258	39,258	453,224	2,788	10,223	246,102	114,887	13,893	33,747	910,267
0,75/4	6,036	52,344	52,344	339,918	2,091	7,667	184,576	86,165	10,420	25,310	731,141
0,75/5	7,545	65,430	65,430	271,935	1,673	6,134	147,661	68,932	8,336	20,248	634,740
0,75/6	9,054	78,516	78,516	226,612	1,394	5,112	123,051	57,443	6,947	16,873	579,698
0,75/7	10,563	91,602	91,602	194,239	1,195	4,381	105,472	49,237	5,954	14,463	548,291
0,75/8	12,072	104,688	104,688	169,959	1,045	3,834	92,288	43,083	5,210	12,655	531,657
0,75/9	13,581	117,774	117,774	151,075	0,929	3,408	82,034	38,296	4,631	11,249	524,871
0,75/10	15,090	130,860	130,860	135,967	0,836	3,067	73,831	34,466	4,168	10,124	524,977
0,75/11	16,598	143,946	143,946	123,607	0,760	2,788	67,119	31,333	3,789	9,204	530,097
0,75/12	18,107	157,032	157,032	113,306	0,697	2,556	61,525	28,722	3,473	8,437	538,977
0,75/13	19,616	170,118	170,118	104,590	0,643	2,359	56,793	26,512	3,206	7,788	550,749
0,75/14	21,125	183,204	183,204	97,119	0,597	2,191	52,736	24,619	2,977	7,231	564,795
0,75/15	22,634	196,290	196,290	90,645	0,558	2,045	49,220	22,977	2,779	6,749	580,659
0,75/16	24,143	209,376	209,376	84,980	0,523	1,917	46,144	21,541	2,605	6,328	598,000
0,75/17	25,652	222,462	222,462	79,981	0,492	1,804	43,430	20,274	2,452	5,955	616,557
0,75/18	27,161	235,548	235,548	75,537	0,465	1,704	41,017	19,148	2,316	5,624	636,128
0,75/19	28,670	248,634	248,634	71,562	0,440	1,614	38,858	18,140	2,194	5,328	656,552
0,75/20	30,179	261,720	261,720	67,984	0,418	1,533	36,915	17,233	2,084	5,062	677,702
0,75/21	31,688	274,806	274,806	64,746	0,398	1,460	35,157	16,412	1,985	4,821	699,473
0,75/22	33,197	287,892	287,892	61,803	0,380	1,394	33,559	15,666	1,895	4,602	721,783
0,75/23	34,706	300,978	300,978	59,116	0,364	1,333	32,100	14,985	1,812	4,402	744,560
0,75/24	36,215	314,064	314,064	56,653	0,348	1,278	30,763	14,361	1,737	4,218	767,746
0,75/25	37,724	327,150	327,150	54,387	0,335	1,227	29,532	13,786	1,667	4,050	791,291
0,75/26	39,233	340,236	340,236	52,295	0,322	1,180	28,396	13,256	1,603	3,894	815,154
0,75/27	40,742	353,322	353,322	50,358	0,310	1,136	27,345	12,765	1,544	3,750	839,300
0,75/28	42,251	366,408	366,408	48,560	0,299	1,095	26,368	12,309	1,489	3,616	863,698
0,75/29	43,760	379,494	379,494	46,885	0,288	1,058	25,459	11,885	1,437	3,491	888,323
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0,80/1	1,509	13,958	13,958	1450,318	8,364	30,670	738,305	344,660	41,680	101,240	2601,742
0,80/2	3,018	27,917	27,917	725,159	4,182	15,335	369,153	172,330	20,840	50,620	1345,011
0,80/3	4,527	41,875	41,875	483,439	2,788	10,223	246,102	114,887	13,893	33,747	945,716
0,80/4	6,036	55,834	55,834	362,579	2,091	7,667	184,576	86,165	10,420	25,310	760,782
0,80/5	7,545	69,792	69,792	290,064	1,673	6,134	147,661	68,932	8,336	20,248	661,593
0,80/6	9,054	83,750	83,750	241,720	1,394	5,112	123,051	57,443	6,947	16,873	605,274
0,80/7	10,563	97,709	97,709	207,188	1,195	4,381	105,472	49,237	5,954	14,463	573,454
0,80/8	12,072	111,667	111,667	181,290	1,045	3,834	92,288	43,083	5,210	12,655	556,946
0,80/9	13,581	125,626	125,626	161,146	0,929	3,408	82,034	38,296	4,631	11,249	550,646

0,801			1						1			
	0,80/10	15,090	139,584	139,584	145,032	0,836	3,067	73,831	34,466	4,168	10,124	551,490
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0.8014 21.125 195.418 195.418 103.594 0.977 2.191 52.736 24.619 2.977 7.231 595.998 0.8015 2.0524 2.09376 2.0588 0.558 0.558 0.558 0.558 0.559 0.29377 2.2977 2.794 6.734 0.0016 0.24183 223.334 223.334 90.845 0.523 1.917 46.144 21.541 2.005 6.328 6.31.881 0.8017 25.652 237.293 237.293 853.31 0.492 1.804 43.430 20.274 2.452 5.955 651.551 0.8018 27.161 251.351 251.251 80.573 0.465 1.704 44.1017 19.148 2.316 5.624 672.570 0.8019 28.650 265.210 265.210 76.333 0.440 1.614 38.858 18.140 2.194 5.328 604.473 0.8021 31.088 293.126 293.126 69.063 0.998 1.460 35.157 16.412 1.985 4.821 740.340 0.8021 31.088 293.126 293.126 69.063 0.398 1.460 35.157 16.412 1.985 4.821 740.340 0.8023 33.798 37.048 32.1043 32.1043 33.002 60.803 0.348 1.278 2.9532 1.3786 1.666 1.8058 4.602 784.200 0.380 1.288 1.339 0.3023 32.615 35.002 35.002 60.803 0.348 1.278 2.9532 1.3786 1.667 4.696 88.3537 0.8023 33.33 36.298 35.788 0.322 1.180 2.2345 1.256						· ·					· ·	
0.8016 22.64 209.376 209.376 96.588 0.558 2.045 49.220 22.977 2.779 6.749 612.874 0.8016 24.143 22.334 22.334 90.645 0.522 1.074 44.140 21.541 2.054 2.056 63.1.861 0.8018 27.161 25.1251 251.251 85.233 80.640 1.064 44.907 19.148 2.316 56.24 672.570 0.8018 27.610 265.210 265.210 265.210 265.230 0.645 1.704 44.1017 19.148 2.316 56.24 672.570 0.8021 31.888 233.12 295.126 90.803 0.358 1.406 33.157 16.412 1.985 4.821 740.430 0.8021 31.888 233.12 295.126 90.803 0.358 1.406 33.157 16.412 1.985 4.821 740.430 0.8022 33.970 307.088 307.085 65.924 0.800 1.394 33.559 15.666 1.895 4.801 740.430 0.8024 34.06 32.103 32.043 30.045												
1,080 6 24,143 22,334 22,334 90,645 0,523 1,917 46,144 21,541 2,605 6,328 631,581 1,080 18 27,161 251,251 237,293 85,313 0,492 1,804 43,430 20,274 2,452 5,955 651,551 0,8018 27,161 251,251 251,251 80,573 0,465 1,704 41,017 19,148 2,316 5,624 672,570 0,8020 30,179 29,168 279,168 72,516 0,418 1,533 36,915 17,233 2,084 5,062 717,130 0,8021 31,688 293,126 293,126 69,063 0,588 1,400 35,157 16,412 1,985 4,821 740,430 0,8022 33,179 307,88 307,085 659,24 0,380 1,304 33,559 1,566 1,895 4,802 704,290 0,8023 34,706 321,043 321,043 63,057 0,646 1,333 32,100 14,985 1,812 4,402 788,631 0,8024 35,615 335,002 335,002 60,303 0,348 1,278 29,532 1,3786 1,667 4,000 838,357 0,8026 39,233 36,218 36,2918 55,818 0,322 1,180 2,336 1,267 4,000 838,357 0,8026 39,233 36,218 36,307 53,715 0,310 1,180 2,336 1,256 1,367 4,000 838,357 0,8028 42,221 300,33 30,393 51,779 0,299 1,095 2,338 1,239 1,4887 1,337 3,491 942,049 0,8023 42,221 300,33 30,335 51,797 0,299 1,095 2,338 1,239 1,4887 3,349 94,049 0,802 43,760 404,794 404,794 50,011 0,288 1,058 2,349 1,185 1,437 3,491 942,049 0,802 3,184 1,1632 11,632 455,224 41,633 1,038 44,640 41,680 101,240 2041,589 0,803 4,527 17,448 13,01,50 2,788 1,032 1,485 1,335 3,4660 41,680 101,240 2041,589 0,804 6,036 2,3264 23,644 226,612 2,091 7,667 184,576 86,165 1,020 2,310 5,596,75 0,905 7,454 2,098 34,806 1,107 0,107 1,029 3,446 4,448 4,44						 						
1,000,177 25,652 237,294 237,293 85,313 0,0492 1,004 41,017 191,148 23,165 651,551 1,000,199 28,670 265,210 265,210 763,333 0,440 1,614 38,858 181,140 21,94 5,328 694,475 1,000,200 30,179 279,168 279,168 72,516 0,440 1,614 38,858 181,140 21,94 5,328 694,475 1,000,201 31,008 293,126 990,003 0,398 1,460 33,157 16,412 1,985 4,821 740,430 1,000,202 33,197 307,085 307,085 65,924 0,380 1,394 33,559 15,666 1,895 4,821 740,430 1,000,402 34,00 321,043 320,003 70,364 1,343 32,100 1,4985 1,812 4,402 764,290 1,000,404 36,215 335,002 335,002 60,430 0,448 1,278 30,763 14,361 1,737 4,218 813,399 1,000,404 36,215 335,002 335,002 60,430 0,448 1,278 30,763 14,361 1,737 4,218 813,399 1,000,8025 37,724 348,004 348,906 85,813 0,335 1,276 2,182 1,376 1,404 1,000,8027 40,742 376,877 376,877 5,571 0,310 1,166 27,345 1,2765 1,444 3,759 889,767 1,000,8029 43,760 404,744 404,794 50,011 0,288 1,058 2,549 11,895 1,437 3,491 942,049 1,000 4,0					· ·							
1,000 18,000 27,161 251,251 251,251 80,573 0,465 1,704 41,017 19,148 2,316 5,624 672,579 1,000 30,179 279,168 279,168 72,516 0,418 1,533 36,915 172,33 2,084 5,662 717,130 1,000 30,179 279,168 279,168 72,516 0,418 1,533 36,915 172,33 2,084 5,662 717,130 1,000 3,000 3,000 3,000 3,000 3,000 3,000 3,000 3,000 3,000 3,000 1,000 3,100 3,100 3,100 3,000												
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0.80/28	0,80/26	39,233	362,918	362,918	55,781	0,322	1,180	28,396	13,256	1,603	3,894	864,004
	0,80/27	40,742	376,877	376,877	53,715	0,310	1,136	27,345	12,765	1,544	3,750	889,767
B-17: T ₀₀ =3, q ₀ =0,50	0,80/28	42,251	390,835	390,835	51,797	0,299	1,095	26,368	12,309	1,489	3,616	915,789
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0,50/22 33,197 127,952 127,952 41,202 0,380 1,394 33,559 15,666 1,895 4,602 381,302 0,50/23 34,706 133,768 133,768 39,411 0,364 1,333 32,100 14,985 1,812 4,402 390,435 0,50/24 36,215 139,584 139,584 37,769 0,348 1,278 30,763 14,361 1,737 4,218 399,902 0,50/25 37,724 145,400 145,400 36,258 0,335 1,227 29,532 13,786 1,667 4,050 409,662 0,50/26 39,233 151,216 151,216 34,863 0,322 1,180 28,396 13,256 1,603 3,894 419,682 0,50/27 40,742 157,032 157,032 33,572 0,310 1,136 27,345 12,765 1,544 3,750 429,934 0,50/28 42,251 162,848 162,848 32,373 0,299 1,095 26,368 12,309 1,489 3,616 440,391 0,50/29 43,760 168,664 168,664 31,257 0,288 1,058 25,459 11,885 1,437 3,491 451,035 B-18: Tok=3, αp=0,33 0,33/1 1,509 3,873 3,873 603,695 8,364 30,670 738,305 344,660 41,680 101,240 1734,949 0,33/2 3,018 7,747 7,747 301,847 4,182 15,335 369,153 172,330 20,840 50,620 881,359 0,33/3 4,527 11,620 11,620 201,232 2,788 10,223 246,102 114,887 13,893 33,747 602,999 0,33/4 6,036 15,494 15,494 150,924 2,091 7,667 184,576 86,165 10,420 25,310 468,447 0,33/5 7,545 19,367 19,367 120,739 1,673 6,134 147,661 68,932 8,336 20,248 391,418 0,33/6 9,054 23,241 23,241 100,616 1,394 5,112 123,051 57,443 6,947 16,873 343,152 0,33/7 10,563 27,114 27,114 86,242 1,195 4,381 105,472 49,237 5,954 14,463 311,318 0,33/8 12,072 30,988 30,988 75,462 1,045 3,834 92,288 43,083 5,210 12,655 289,760 0,33/9 13,581 34,861 34,861 67,077 0,929 3,408 82,034 38,296 4,631 11,249 275,047 0,33/10 15,090 38,735 38,735 60,369 0,836 3,067 73,831 34,466 4,168 10,124 265,129						1			,			
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0,50/24 36,215 139,584 139,584 37,769 0,348 1,278 30,763 14,361 1,737 4,218 399,902 0,50/25 37,724 145,400 145,400 36,258 0,335 1,227 29,532 13,786 1,667 4,050 409,662 0,50/26 39,233 151,216 151,216 34,863 0,322 1,180 28,396 13,256 1,603 3,894 419,682 0,50/27 40,742 157,032 157,032 33,572 0,310 1,136 27,345 12,765 1,544 3,750 429,934 0,50/28 42,251 162,848 162,848 32,373 0,299 1,095 26,368 12,309 1,489 3,616 440,391 0,50/29 43,760 168,664 168,664 31,257 0,288 1,058 25,459 11,885 1,437 3,491 451,035 0,33/1 1,509 3,873 3,873 603,695 8,364 30,670 738,305						1		· ·	,			
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0,33/2 3,018 7,747 7,747 301,847 4,182 15,335 369,153 172,330 20,840 50,620 881,359 0,33/3 4,527 11,620 11,620 201,232 2,788 10,223 246,102 114,887 13,893 33,747 602,999 0,33/4 6,036 15,494 15,494 150,924 2,091 7,667 184,576 86,165 10,420 25,310 468,447 0,33/5 7,545 19,367 19,367 120,739 1,673 6,134 147,661 68,932 8,336 20,248 391,418 0,33/6 9,054 23,241 23,241 100,616 1,394 5,112 123,051 57,443 6,947 16,873 343,152 0,33/7 10,563 27,114 27,114 86,242 1,195 4,381 105,472 49,237 5,954 14,463 311,318 0,33/8 12,072 30,988 30,988 75,462 1,045 3,834 92,288	0,33/1	1,509	3,873	3,873	603,695				344,660	41,680	101,240	1734,949
0,33/4 6,036 15,494 15,494 150,924 2,091 7,667 184,576 86,165 10,420 25,310 468,447 0,33/5 7,545 19,367 19,367 120,739 1,673 6,134 147,661 68,932 8,336 20,248 391,418 0,33/6 9,054 23,241 23,241 100,616 1,394 5,112 123,051 57,443 6,947 16,873 343,152 0,33/7 10,563 27,114 27,114 86,242 1,195 4,381 105,472 49,237 5,954 14,463 311,318 0,33/8 12,072 30,988 30,988 75,462 1,045 3,834 92,288 43,083 5,210 12,655 289,760 0,33/9 13,581 34,861 34,861 67,077 0,929 3,408 82,034 38,296 4,631 11,249 275,047 0,33/10 15,090 38,735 60,369 0,836 3,067 73,831 34,466 <									172,330	20,840		
0,33/5 7,545 19,367 19,367 120,739 1,673 6,134 147,661 68,932 8,336 20,248 391,418 0,33/6 9,054 23,241 23,241 100,616 1,394 5,112 123,051 57,443 6,947 16,873 343,152 0,33/7 10,563 27,114 27,114 86,242 1,195 4,381 105,472 49,237 5,954 14,463 311,318 0,33/8 12,072 30,988 30,988 75,462 1,045 3,834 92,288 43,083 5,210 12,655 289,760 0,33/9 13,581 34,861 34,861 67,077 0,929 3,408 82,034 38,296 4,631 11,249 275,047 0,33/10 15,090 38,735 38,735 60,369 0,836 3,067 73,831 34,466 4,168 10,124 265,129	0,33/3	4,527	11,620	11,620	201,232	2,788	10,223	246,102	114,887	13,893	33,747	602,999
0,33/6 9,054 23,241 23,241 100,616 1,394 5,112 123,051 57,443 6,947 16,873 343,152 0,33/7 10,563 27,114 27,114 86,242 1,195 4,381 105,472 49,237 5,954 14,463 311,318 0,33/8 12,072 30,988 30,988 75,462 1,045 3,834 92,288 43,083 5,210 12,655 289,760 0,33/9 13,581 34,861 34,861 67,077 0,929 3,408 82,034 38,296 4,631 11,249 275,047 0,33/10 15,090 38,735 38,735 60,369 0,836 3,067 73,831 34,466 4,168 10,124 265,129	0,33/4	6,036	15,494	15,494	150,924	2,091	7,667	184,576	86,165	10,420	25,310	468,447
0,33/7 10,563 27,114 27,114 86,242 1,195 4,381 105,472 49,237 5,954 14,463 311,318 0,33/8 12,072 30,988 30,988 75,462 1,045 3,834 92,288 43,083 5,210 12,655 289,760 0,33/9 13,581 34,861 34,861 67,077 0,929 3,408 82,034 38,296 4,631 11,249 275,047 0,33/10 15,090 38,735 38,735 60,369 0,836 3,067 73,831 34,466 4,168 10,124 265,129			19,367	19,367	120,739	1,673	6,134	147,661	68,932			391,418
0,33/8 12,072 30,988 30,988 75,462 1,045 3,834 92,288 43,083 5,210 12,655 289,760 0,33/9 13,581 34,861 34,861 67,077 0,929 3,408 82,034 38,296 4,631 11,249 275,047 0,33/10 15,090 38,735 38,735 60,369 0,836 3,067 73,831 34,466 4,168 10,124 265,129						1						
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0,33/11 16,598 42,608 42,608 54,881 0,760 2,788 67,119 31,333 3,789 9,204 258,695									,			
	0,33/11	16,598	42,608	42,608	54,881	0,760	2,788	67,119	31,333	3,789	9,204	258,695

0,33/12	18,107	46,481	46,481	50,308	0,697	2,556	61,525	28,722	3,473	8,437	254,877
0,33/13	19,616	50,355	50,355	46,438	0,643	2,359	56,793	26,512	3,206	7,788	253,071
0,33/14	21,125	54,228	54,228	43,121	0,597	2,191	52,736	24,619	2,977	7,231	252,845
0,33/15	22,634	58,102	58,102	40,246	0,558	2,045	49,220	22,977	2,779	6,749	253,884
0,33/16	24,143	61,975	61,975	37,731	0,523	1,917	46,144	21,541	2,605	6,328	255,949
0,33/17	25,652	65,849	65,849	35,511	0,492	1,804	43,430	20,274	2,452	5,955	258,861
0,33/18	27,161	69,722	69,722	33,539	0,465	1,704	41,017	19,148	2,316	5,624	262,478
0,33/19	28,670	73,596	73,596	31,773	0,440	1,614	38,858	18,140	2,194	5,328	266,687
0,33/20	30,179	77,469	77,469	30,185	0,418	1,533	36,915	17,233	2,084	5,062	271,401
0,33/21	31,688	81,343	81,343	28,747	0,398	1,460	35,157	16,412	1,985	4,821	276,548
0,33/22	33,197	85,216	85,216	27,441	0,380	1,394	33,559	15,666	1,895	4,602	282,069
0,33/23	34,706	89,089	89,089	26,248	0,364	1,333	32,100	14,985	1,812	4,402	287,914
0,33/24	36,215	92,963	92,963	25,154	0,348	1,278	30,763	14,361	1,737	4,218	294,045
0,33/25	37,724	96,836	96,836	24,148	0,335	1,227	29,532	13,786	1,667	4,050	300,424
0,33/26	39,233	100,710	100,710	23,219	0,322	1,180	28,396	13,256	1,603	3,894	307,026
0,33/27	40,742	104,583	104,583	22,359	0,310	1,136	27,345	12,765	1,544	3,750	313,823
0,33/28	42,251	108,457	108,457	21,561	0,299	1,095	26,368	12,309	1,489	3,616	320,797
0,33/29	43,760	112,330	112,330	20,817	0,288	1,058	25,459	11,885	1,437	3,491	327,927
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0,25/1	1,509	2,908	2,908	453,224	8,364	30,670	738,305	344,660	41,680	101,240	1582,548
0,25/2	3,018	5,816	5,816	226,612	4,182	15,335	369,153	172,330	20,840	50,620	802,262
0,25/3	4,527	8,724	8,724	151,075	2,788	10,223	246,102	114,887	13,893	33,747	547,050
0,25/4	6,036	11,632	11,632	113,306	2,091	7,667	184,576	86,165	10,420	25,310	423,105
0,25/5	7,545	14,540	14,540	90,645	1,673	6,134	147,661	68,932	8,336	20,248	351,670
0,25/6	9,054	17,448	17,448	75,537	1,394	5,112	123,051	57,443	6,947	16,873	306,487
0,25/7	10,563	20,356	20,356	64,746	1,195	4,381	105,472	49,237	5,954	14,463	276,306
0,25/8	12,072	23,264	23,264	56,653	1,045	3,834	92,288	43,083	5,210	12,655	255,503
0,25/9	13,581	26,172	26,172	50,358	0,929	3,408	82,034	38,296	4,631	11,249	240,950
0,25/10	15,090	29,080	29,080	45,322	0,836	3,067	73,831	34,466	4,168	10,124	230,772
0,25/11	16,598	31,988	31,988	41,202	0,760	2,788	67,119	31,333	3,789	9,204	223,776
0,25/12	18,107	34,896	34,896	37,769	0,697	2,556	61,525	28,722	3,473	8,437	219,168
0,25/13	19,616	37,804	37,804	34,863	0,643	2,359	56,793	26,512	3,206	7,788	216,394
0,25/14	21,125	40,712	40,712	32,373	0,597	2,191	52,736	24,619	2,977	7,231	215,065
0,25/15	22,634	43,620	43,620	30,215	0,558	2,045	49,220	22,977	2,779	6,749	214,889
0,25/16	24,143	46,528	46,528	28,327	0,523	1,917	46,144	21,541	2,605	6,328	215,651
0,25/17	25,652	49,436	49,436	26,660	0,492	1,804	43,430	20,274	2,452	5,955	217,184
0,25/18	27,161	52,344	52,344	25,179	0,465	1,704	41,017	19,148	2,316	5,624	219,362
0,25/19	28,670	55,252	55,252	23,854	0,440	1,614	38,858	18,140	2,194	5,328	222,080
0,25/20	30,179	58,160	58,160	22,661	0,418	1,533	36,915	17,233	2,084	5,062	225,259
0,25/21	31,688	61,068	61,068	21,582	0,398	1,460	35,157	16,412	1,985	4,821	228,833
0,25/22	33,197	63,976	63,976	20,601	0,380	1,394	33,559	15,666	1,895	4,602	232,749
0,25/23	34,706	66,884	66,884	19,705	0,364	1,333	32,100	14,985	1,812	4,402	236,961
0,25/24	36,215	69,792	69,792	18,884	0,348	1,278	30,763	14,361	1,737	4,218	241,433
0,25/25	37,724	72,700	72,700	18,129	0,335	1,227	29,532	13,786	1,667	4,050	246,133
0,25/26	39,233	75,608	75,608	17,432	0,322	1,180	28,396	13,256	1,603	3,894	251,035
0,25/27	40,742	78,516	78,516	16,786	0,310	1,136	27,345	12,765	1,544	3,750	256,116
0,25/28	42,251	81,424	81,424	16,187	0,299	1,095	26,368	12,309	1,489	3,616	261,357
0,25/29	43,760	84,332	84,332	15,628	0,288	1,058	25,459	11,885	1,437	3,491	266,742
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0,20/1	1,509	2,326	2,326	362,579	8,364	30,670	738,305	344,660	41,680	101,240	1490,739
0,20/2	3,018	4,653	4,653	181,290	4,182	15,335	369,153	172,330	20,840	50,620	754,614
0,20/3	4,527	6,979	6,979	120,860	2,788	10,223	246,102	114,887	13,893	33,747	513,345
0,20/4	6,036	9,306	9,306	90,645	2,091	7,667	184,576	86,165	10,420	25,310	395,792
0,20/5	7,545	11,632	11,632	72,516	1,673	6,134	147,661	68,932	8,336	20,248	327,725
0,20/6	9,054	13,958	13,958	60,430	1,394	5,112	123,051	57,443	6,947	16,873	284,400
0,20/7	10,563	16,285	16,285	51,797	1,195	4,381	105,472	49,237	5,954	14,463	255,215
0,20/8	12,072	18,611	18,611	45,322	1,045	3,834	92,288	43,083	5,210	12,655	234,866
0,20/9	13,581	20,938	20,938	40,287	0,929	3,408	82,034	38,296	4,631	11,249	220,411
0,20/10	15,090	23,264	23,264	36,258	0,836	3,067	73,831	34,466	4,168	10,124	210,076
0,20/11	16,598	25,590	25,590	32,962	0,760	2,788	67,119	31,333	3,789	9,204	202,740
0,20/12	18,107	27,917	27,917	30,215	0,697	2,556	61,525	28,722	3,473	8,437	197,656
0,20/13	19,616	30,243	30,243	27,891	0,643	2,359	56,793	26,512	3,206	7,788	194,300

0,20/14	21,125	32,570	32,570	25,899	0,597	2,191	52,736	24,619	2,977	7,231	192,307
0,20/15	22,634	34,896	34,896	24,172	0,558	2,045	49,220	22,977	2,779	6,749	191,398
0,20/16	24,143	37,222	37,222	22,661	0,523	1,917	46,144	21,541	2,605	6,328	191,373
0,20/17	25,652	39,549	39,549	21,328	0,492	1,804	43,430	20,274	2,452	5,955	192,078
0,20/18	27,161	41,875	41,875	20,143	0,465	1,704	41,017	19,148	2,316	5,624	193,388
0,20/19	28,670	44,202	44,202	19,083	0,440	1,614	38,858	18,140	2,194	5,328	195,209
0,20/20	30,179	46,528	46,528	18,129	0,418	1,533	36,915	17,233	2,084	5,062	197,463
0,20/21	31,688	48,854	48,854	17,266	0,398	1,460	35,157	16,412	1,985	4,821	200,089
0,20/22	33,197	51,181	51,181	16,481	0,380	1,394	33,559	15,666	1,895	4,602	203,039
0,20/23	34,706	53,507	53,507	15,764	0,364	1,333	32,100	14,985	1,812	4,402	206,266
0,20/23	36,215	55,834	55,834	15,107	0,348	1,278	30,763	14,361	1,737	4,218	209,740
0,20/24	37,724	58,160	58,160	14,503	0,348	1,227	29,532	13,786	1,667	4,050	213,427
0,20/25	39,233										
		60,486	60,486	13,945	0,322	1,180	28,396	13,256	1,603	3,894	217,304
0,20/27	40,742	62,813	62,813	13,429	0,310	1,136	27,345	12,765	1,544	3,750	221,353
0,20/28	42,251	65,139	65,139	12,949	0,299	1,095	26,368	12,309	1,489	3,616	225,549
0,20/29	43,760	67,466	67,466	12,503	0,288	1,058	25,459	11,885	1,437	3,491	229,885
0.47.4	4.700			400000		1: T _{ok} =3,		244 550	11 100	101 210	2210.220
0,67/1	1,509	7,759	7,759	1209,202	8,364	30,670	738,305	344,660	41,680	101,240	2348,228
0,67/2	3,018	15,517	15,517	604,601	4,182	15,335	369,153	172,330	20,840	50,620	1199,653
0,67/3	4,527	23,276	23,276	403,067	2,788	10,223	246,102	114,887	13,893	33,747	828,146
0,67/4	6,036	31,034	31,034	302,301	2,091	7,667	184,576	86,165	10,420	25,310	650,904
0,67/5	7,545	38,793	38,793	241,840	1,673	6,134	147,661	68,932	8,336	20,248	551,371
0,67/6	9,054	46,551	46,551	201,534	1,394	5,112	123,051	57,443	6,947	16,873	490,690
0,67/7	10,563	54,310	54,310	172,743	1,195	4,381	105,472	49,237	5,954	14,463	452,211
0,67/8	12,072	62,068	62,068	151,150	1,045	3,834	92,288	43,083	5,210	12,655	427,608
0,67/9	13,581	69,827	69,827	134,356	0,929	3,408	82,034	38,296	4,631	11,249	412,258
0,67/10	15,090	77,585	77,585	120,920	0,836	3,067	73,831	34,466	4,168	10,124	403,380
0,67/11	16,598	85,344	85,344	109,927	0,760	2,788	67,119	31,333	3,789	9,204	399,213
0,67/12	18,107	93,103	93,103	100,767	0,697	2,556	61,525	28,722	3,473	8,437	398,580
0,67/13	19,616	100,861	100,861	93,016	0,643	2,359	56,793	26,512	3,206	7,788	400,661
0,67/14	21,125	108,620	108,620	86,372	0,597	2,191	52,736	24,619	2,977	7,231	404,880
0,67/15	22,634	116,378	116,378	80,613	0,558	2,045	49,220	22,977	2,779	6,749	410,803
0,67/16	24,143	124,137	124,137	75,575	0,523	1,917	46,144	21,541	2,605	6,328	418,117
0,67/17	25,652	131,895	131,895	71,130	0,492	1,804	43,430	20,274	2,452	5,955	426,572
0,67/18	27,161	139,654	139,654	67,178	0,465	1,704	41,017	19,148	2,316	5,624	435,981
0,67/19	28,670	147,412	147,412	63,642	0,440	1,614	38,858	18,140	2,194	5,328	446,188
0,67/20	30,179	155,171	155,171	60,460	0,418	1,533	36,915	17,233	2,084	5,062	457,080
0,67/21	31,688	162,929	162,929	57,581	0,398	1,460	35,157	16,412	1,985	4,821	468,554
0,67/22	33,197	170,688	170,688	54,964	0,380	1,394	33,559	15,666	1,895	4,602	480,536
0,67/23	34,706	178,447	178,447	52,574	0,364	1,333	32,100	14,985	1,812	4,402	492,956
0,67/24	36,215	186,205	186,205	50,383	0,348	1,278	30,763	14,361	1,737	4,218	505,758
0,67/25	37,724	193,964	193,964	48,368	0,335	1,227	29,532	13,786	1,667	4,050	518,900
0,67/26	39,233	201,722	201,722	46,508	0,322	1,180	28,396	13,756	1,603	3,894	532,339
0,67/27	40,742	209,481	209,481	44,785	0,322	1,136	27,345	12,765	1,544	3,750	546,045
0,67/28	42,251	217,239	217,239	43,186	0,299	1,095	26,368	12,703	1,489	3,616	559,986
0,67/29	43,760	224,998	224,998	41,697	0,233	1,058	25,459	11,885	1,437	3,491	574,143
0,01727	73,700	227,770	227,770	71,077		2: T _{ok} =3,		11,000	1,737	J, T /1	517,173
0,63/1	1,509	7,270	7,270	1133,061	8,364	2 . Т ок -3, 30,670	738,305	344,660	41,680	101,240	2271,109
0,63/1	3,018	14,540	14,540	566,530	4,182	15,335	369,153	172,330	20,840	50,620	1159,628
0,63/2	4,527	21,810	21,810	377,687	2,788	10,223	246,102	114,887	13,893	33,747	799,834
	6,036										
0,63/4		29,080	29,080	283,265	2,091	7,667	184,576	86,165	10,420	25,310	627,960
0,63/5	7,545	36,350	36,350	226,612	1,673	6,134	147,661	68,932	8,336	20,248	531,257
0,63/6	9,054	43,620	43,620	188,843	1,394	5,112	123,051	57,443	6,947	16,873	472,137
0,63/7	10,563	50,890	50,890	161,866	1,195	4,381	105,472	49,237	5,954	14,463	434,494
0,63/8	12,072	58,160	58,160	141,633	1,045	3,834	92,288	43,083	5,210	12,655	410,275
0,63/9	13,581	65,430	65,430	125,896	0,929	3,408	82,034	38,296	4,631	11,249	395,004
0,63/10	15,090	72,700	72,700	113,306	0,836	3,067	73,831	34,466	4,168	10,124	385,996
0,63/11	16,598	79,970	79,970	103,006	0,760	2,788	67,119	31,333	3,789	9,204	381,544
0,63/12	18,107	87,240	87,240	94,422	0,697	2,556	61,525	28,722	3,473	8,437	380,509
0,63/13	19,616	94,510	94,510	87,159	0,643	2,359	56,793	26,512	3,206	7,788	382,102
0,63/14	21,125	101,780	101,780	80,933	0,597	2,191	52,736	24,619	2,977	7,231	385,761
0,63/15	22,634	109,050	109,050	75,537	0,558	2,045	49,220	22,977	2,779	6,749	391,071

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0,63/16	24,143	116,320	116,320	70,816	0,523	1,917	46,144	21,541	2,605	6,328	397,724
0,63/17	25,652	123,590	123,590	66,651	0,492	1,804	43,430	20,274	2,452	5,955	405,483
0,63/18	27,161	130,860	130,860	62,948	0,465	1,704	41,017	19,148	2,316	5,624	414,163
0,63/19	28,670	138,130	138,130	59,635 56,653	0,440	1,614	38,858	18,140	2,194	5,328	423,617
0,63/20 0,63/21	30,179 31,688	145,400 152,670	145,400 152,670	56,653 53,955	0,418	1,533	36,915 35,157	17,233	2,084	5,062	433,731
0,63/21	33,197	159,940	159,940	53,955 51,503	0,398	1,460 1,394	35,157 33,559	16,412 15,666	1,985 1,895	4,821 4,602	444,410 455,579
0,63/23	34,706	167,210	167,210	49,264	0,364	1,333	32,100	14,985	1,812	4,402	467,172
0,63/24	36,215	174,480	174,480	47,211	0,348	1,278	30,763	14,361	1,737	4,218	479,136
0,63/25	37,724	181,750	181,750	45,322	0,335	1,227	29,532	13,786	1,667	4,050	491,426
0,63/26	39,233	189,020	189,020	43,579	0,322	1,180	28,396	13,256	1,603	3,894	504,006
0,63/27	40,742	196,290	196,290	41,965	0,310	1,136	27,345	12,765	1,544	3,750	516,843
0,63/28	42,251	203,560	203,560	40,466	0,299	1,095	26,368	12,309	1,489	3,616	529,908
0,63/29	43,760	210,830	210,830	39,071	0,288	1,058	25,459	11,885	1,437	3,491	543,181
					B-2	3: Т _{ок} =3,	$\alpha_{\rm p} = 0.75$				
0,75/1	1,509	8,724	8,724	1359,673	8,364	30,670	738,305	344,660	41,680	101,240	2500,629
0,75/2	3,018	17,448	17,448	679,836	4,182	15,335	369,153	172,330	20,840	50,620	1278,750
0,75/3	4,527	26,172	26,172	453,224	2,788	10,223	246,102	114,887	13,893	33,747	884,095
0,75/4	6,036	34,896	34,896	339,918	2,091	7,667	184,576	86,165	10,420	25,310	696,245
0,75/5	7,545	43,620	43,620	271,935	1,673	6,134	147,661	68,932	8,336	20,248	591,120
0,75/6	9,054	52,344	52,344	226,612	1,394	5,112	123,051	57,443	6,947	16,873	527,354
0,75/7	10,563	61,068	61,068	194,239	1,195	4,381	105,472	49,237	5,954	14,463	487,223
0,75/8 0,75/9	12,072 13,581	69,792 78,516	69,792 78,516	169,959 151,075	1,045 0,929	3,834 3,408	92,288 82,034	43,083 38,296	5,210 4,631	12,655 11,249	461,865 446,355
0,75/9	15,090	87,240	87,240	135,967	0,929	3,408	73,831	34,466	4,031	10,124	446,333
0,75/10	16,598	95,964	95,964	123,607	0,760	2,788	67,119	31,333	3,789	9,204	434,133
0,75/11	18,107	104,688	104,688	113,306	0,700	2,788	61,525	28,722	3,473	8,437	434,133
0,75/13	19,616	113,412	113,412	104,590	0,643	2,359	56,793	26,512	3,206	7,788	437,337
0,75/14	21,125	122,136	122,136	97,119	0,597	2,191	52,736	24,619	2,977	7,231	442,659
0,75/15	22,634	130,860	130,860	90,645	0,558	2,045	49,220	22,977	2,779	6,749	449,799
0,75/16	24,143	139,584	139,584	84,980	0,523	1,917	46,144	21,541	2,605	6,328	458,416
0,75/17	25,652	148,308	148,308	79,981	0,492	1,804	43,430	20,274	2,452	5,955	468,249
0,75/18	27,161	157,032	157,032	75,537	0,465	1,704	41,017	19,148	2,316	5,624	479,096
0,75/19	28,670	165,756	165,756	71,562	0,440	1,614	38,858	18,140	2,194	5,328	490,796
0,75/20	30,179	174,480	174,480	67,984	0,418	1,533	36,915	17,233	2,084	5,062	503,222
0,75/21	31,688	183,204	183,204	64,746	0,398	1,460	35,157	16,412	1,985	4,821	516,269
0,75/22	33,197	191,928	191,928	61,803	0,380	1,394	33,559	15,666	1,895	4,602	529,855
0,75/23	34,706	200,652	200,652	59,116	0,364	1,333	32,100	14,985	1,812	4,402	543,908
0,75/24 0,75/25	36,215	209,376	209,376	56,653	0,348	1,278	30,763 29,532	14,361	1,737	4,218	558,370 573,101
0,75/25	37,724 39,233	218,100 226,824	218,100 226,824	54,387 52,295	0,335	1,227 1,180	29,532	13,786 13,256	1,667 1,603	4,050 3,894	573,191 588,330
0,75/26	40,742	235,548	235,548	50,358	0,322	1,180	28,396	12,765	1,544	3,894	603,752
0,75/28	42,251	244,272	244,272	48,560	0,310	1,095	26,368	12,703	1,489	3,616	619,426
0,75/29	43,760	252,996	252,996	46,885	0,288	1,058	25,459	11,885	1,437	3,491	635,327
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0,80/1	1,509	9,306	9,306	1450,318	8,364	30,670	738,305	344,660	41,680	101,240	2592,438
0,80/2	3,018	18,611	18,611	725,159	4,182	15,335	369,153	172,330	20,840	50,620	1326,399
0,80/3	4,527	27,917	27,917	483,439	2,788	10,223	246,102	114,887	13,893	33,747	917,800
0,80/4	6,036	37,222	37,222	362,579	2,091	7,667	184,576	86,165	10,420	25,310	723,558
0,80/5	7,545	46,528	46,528	290,064	1,673	6,134	147,661	68,932	8,336	20,248	615,065
0,80/6	9,054	55,834	55,834	241,720	1,394	5,112	123,051	57,443	6,947	16,873	549,442
0,80/7	10,563	65,139	65,139	207,188	1,195	4,381	105,472	49,237	5,954	14,463	508,314
0,80/8	12,072	74,445	74,445	181,290	1,045	3,834	92,288	43,083	5,210	12,655	482,502
0,80/9	13,581	83,750	83,750	161,146	0,929	3,408	82,034	38,296	4,631	11,249	466,894
0,80/10	15,090	93,056	93,056	145,032	0,836	3,067	73,831	34,466	4,168	10,124	458,434
0,80/11	16,598	102,362	102,362	131,847	0,760	2,788	67,119	31,333	3,789	9,204	455,169 455,801
0,80/12 0,80/13	18,107 19,616	111,667 120,973	111,667 120,973	120,860 111,563	0,697 0,643	2,556 2,359	61,525 56,793	28,722 26,512	3,473 3,206	8,437 7,788	455,801 459,432
0,80/13	21,125	130,278	130,278	103,594	0,643	2,339	52,736	24,619	2,977	7,788	459,432
0,80/14	22,634	139,584	139,584	96,688	0,558	2,191	49,220	22,977	2,779	6,749	473,290
0,80/15	24,143	148,890	148,890	90,645	0,523	1,917	46,144	21,541	2,605	6,328	482,693
0,80/17	25,652	158,195	158,195	85,313	0,492	1,804	43,430	20,274	2,452	5,955	493,355
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		T		00			4.5				-n
0,80/18	27,161	167,501	167,501	80,573	0,465	1,704	41,017	19,148	2,316	5,624	505,070
0,80/19	28,670	176,806	176,806	76,333	0,440	1,614	38,858	18,140	2,194	5,328	517,667
0,80/20	30,179	186,112	186,112	72,516	0,418	1,533	36,915	17,233	2,084	5,062	531,018
0,80/21	31,688	195,418	195,418	69,063	0,398	1,460	35,157	16,412	1,985	4,821	545,014
0,80/22	33,197 34,706	204,723 214,029	204,723 214,029	65,924 63,057	0,380	1,394 1,333	33,559 32,100	15,666	1,895 1,812	4,602	559,566 574,603
0,80/23	36,215	223,334	223,334	60,430	0,348	1,278	30,763	14,985 14,361	1,737	4,402 4,218	574,603 590,063
0,80/24	37,724	232,640	232,640	58,013	0,335	1,227	29,532	13,786	1,667	4,050	605,897
0,80/26	39,233	241,946	241,946	55,781	0,333	1,180	28,396	13,786	1,603	3,894	622,060
0,80/27	40,742	251,251	251,251	53,715	0,310	1,136	27,345	12,765	1,544	3,750	638,515
0,80/28	42,251	260,557	260,557	51,797	0,299	1,095	26,368	12,309	1,489	3,616	655,233
0,80/29	43,760	269,862	269,862	50,011	0,288	1,058	25,459	11,885	1,437	3,491	672,185
				·	B-2	5: Т _{ок} =4,	$\alpha_p=0,50$				
0,50/1	1,509	4,362	4,362	906,449	8,364	30,670	738,305	344,660	41,680	101,240	2038,681
0,50/2	3,018	8,724	8,724	453,224	4,182	15,335	369,153	172,330	20,840	50,620	1034,690
0,50/3	4,527	13,086	13,086	302,150	2,788	10,223	246,102	114,887	13,893	33,747	706,849
0,50/4	6,036	17,448	17,448	226,612	2,091	7,667	184,576	86,165	10,420	25,310	548,043
0,50/5	7,545	21,810	21,810	181,290	1,673	6,134	147,661	68,932	8,336	20,248	456,855
0,50/6	9,054	26,172	26,172	151,075	1,394	5,112	123,051	57,443	6,947	16,873	399,473
0,50/7	10,563	30,534	30,534	129,493	1,195	4,381	105,472	49,237	5,954	14,463	361,409
0,50/8	12,072	34,896	34,896	113,306	1,045	3,834	92,288	43,083	5,210	12,655	335,420
0,50/9	13,581	39,258	39,258	100,717	0,929	3,408	82,034	38,296	4,631	11,249	317,481
0,50/10 0,50/11	15,090 16,598	43,620 47,982	43,620 47,982	90,645 82,404	0,836 0,760	3,067 2,788	73,831 67,119	34,466 31,333	4,168 3,789	10,124 9,204	305,175 296,966
0,50/11	18,107	52,344	52,344	75,537	0,700	2,786	61,525	28,722	3,473	8,437	290,900
0,50/13	19,616	56,706	56,706	69,727	0,643	2,359	56,793	26,512	3,206	7,788	289,062
0,50/13	21,125	61,068	61,068	64,746	0,597	2,191	52,736	24,619	2,977	7,733	288,150
0,50/15	22,634	65,430	65,430	60,430	0,558	2,045	49,220	22,977	2,779	6,749	288,724
0,50/16	24,143	69,792	69,792	56,653	0,523	1,917	46,144	21,541	2,605	6,328	290,505
0,50/17	25,652	74,154	74,154	53,321	0,492	1,804	43,430	20,274	2,452	5,955	293,281
0,50/18	27,161	78,516	78,516	50,358	0,465	1,704	41,017	19,148	2,316	5,624	296,885
0,50/19	28,670	82,878	82,878	47,708	0,440	1,614	38,858	18,140	2,194	5,328	301,186
0,50/20	30,179	87,240	87,240	45,322	0,418	1,533	36,915	17,233	2,084	5,062	306,080
0,50/21	31,688	91,602	91,602	43,164	0,398	1,460	35,157	16,412	1,985	4,821	311,483
0,50/22	33,197	95,964	95,964	41,202	0,380	1,394	33,559	15,666	1,895	4,602	317,326
0,50/23	34,706	100,326	100,326	39,411	0,364	1,333	32,100	14,985	1,812	4,402	323,551
0,50/24	36,215	104,688	104,688	37,769	0,348	1,278	30,763	14,361	1,737	4,218	330,110
0,50/25	37,724	109,050	109,050	36,258	0,335	1,227	29,532	13,786	1,667	4,050	336,962
0,50/26 0,50/27	39,233 40,742	113,412 117,774	113,412 117,774	34,863 33,572	0,322 0,310	1,180 1,136	28,396 27,345	13,256 12,765	1,603 1,544	3,894 3,750	344,074 351,418
0,50/27	42,251	122,136	122,136	32,373	0,310	1,095	26,368	12,703	1,489	3,616	358,967
0,50/28	43,760	126,498	126,498	31,257	0,299	1,058	25,459	11,885	1,437	3,491	366,703
0,50/27	15,700	120,770	120,770	01,401		6: T _{ok} =4,		11,000	1,777	5,771	500,705
0,33/1	1,509	2,905	2,905	603,695	8,364	30,670	738,305	344,660	41,680	101,240	1733,013
0,33/2	3,018	5,810	5,810	301,847	4,182	15,335	369,153	172,330	20,840	50,620	877,485
0,33/3	4,527	8,715	8,715	201,232	2,788	10,223	246,102	114,887	13,893	33,747	597,189
0,33/4	6,036	11,620	11,620	150,924	2,091	7,667	184,576	86,165	10,420	25,310	460,699
0,33/5	7,545	14,525	14,525	120,739	1,673	6,134	147,661	68,932	8,336	20,248	381,734
0,33/6	9,054	17,431	17,431	100,616	1,394	5,112	123,051	57,443	6,947	16,873	331,532
0,33/7	10,563	20,336	20,336	86,242	1,195	4,381	105,472	49,237	5,954	14,463	297,762
0,33/8	12,072	23,241	23,241	75,462	1,045	3,834	92,288	43,083	5,210	12,655	274,266
0,33/9	13,581	26,146	26,146	67,077	0,929	3,408	82,034	38,296	4,631	11,249	257,617
0,33/10	15,090	29,051	29,051	60,369	0,836	3,067	73,831	34,466	4,168	10,124	245,761
0,33/11	16,598	31,956	31,956	54,881	0,760	2,788	67,119	31,333	3,789	9,204	237,391
0,33/12 0,33/13	18,107 19,616	34,861 37,766	34,861 37,766	50,308 46,438	0,697 0,643	2,556 2,359	61,525 56,793	28,722 26,512	3,473 3,206	8,437 7,788	231,637 227,893
0,33/13	21,125	40,671	40,671	43,121	0,643	2,339	50,793	24,619	2,977	7,788	225,731
0,33/14	22,634	43,576	43,576	40,246	0,558	2,045	49,220	22,977	2,779	6,749	224,832
0,33/16	24,143	46,481	46,481	37,731	0,523	1,917	46,144	21,541	2,605	6,328	224,961
0,33/17	25,652	49,387	49,387	35,511	0,492	1,804	43,430	20,274	2,452	5,955	225,937
0,33/18	27,161	52,292	52,292	33,539	0,465	1,704	41,017	19,148	2,316	5,624	227,618
0,33/19	28,670	55,197	55,197	31,773	0,440	1,614	38,858	18,140	2,194	5,328	229,889
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0,33/20	30,179	58,102	58,102	30,185	0,418	1,533	36,915	17,233	2,084	5,062	232,667
0,33/21	31,688	61,007	61,007	28,747	0,398	1,460	35,157	16,412	1,985	4,821	235,876
0,33/22	33,197	63,912	63,912	27,441	0,380	1,394	33,559	15,666	1,895	4,602	239,461
0,33/23	34,706	66,817	66,817	26,248	0,364	1,333	32,100	14,985	1,812	4,402	243,370
0,33/24	36,215	69,722	69,722	25,154	0,348	1,278	30,763	14,361	1,737	4,218	247,563
0,33/25	37,724	72,627	72,627	24,148	0,335	1,227	29,532	13,786	1,667	4,050	252,006
0,33/26	39,233	75,532	75,532	23,219	0,322	1,180	28,396	13,256	1,603	3,894	256,670
0,33/27	40,742	78,437	78,437	22,359	0,310	1,136	27,345	12,765	1,544	3,750	261,531
0,33/28	42,251	81,343	81,343	21,561	0,299	1,095	26,368	12,309	1,489	3,616	266,569
0,33/29	43,760	84,248	84,248	20,817	0,288	1,058	25,459	11,885	1,437	3,491	271,763
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0,25/1	1,509	2,181	2,181	453,224	8,364	30,670	738,305	344,660	41,680	101,240	1581,094
0,25/2	3,018	4,362	4,362	226,612	4,182	15,335	369,153	172,330	20,840	50,620	799,354
0,25/3	4,527	6,543	6,543	151,075	2,788	10,223	246,102	114,887	13,893	33,747	542,688
0,25/4	6,036	8,724	8,724	113,306	2,091	7,667	184,576	86,165	10,420	25,310	417,289
0,25/5	7,545	10,905	10,905	90,645	1,673	6,134	147,661	68,932	8,336	20,248	344,400
0,25/6	9,054	13,086	13,086	75,537	1,394	5,112	123,051	57,443	6,947	16,873	297,763
0,25/7	10,563	15,267	15,267	64,746	1,195	4,381	105,472	49,237	5,954	14,463	266,128
0,25/8	12,072	17,448	17,448	56,653	1,045	3,834	92,288	43,083	5,210	12,655	243,871
0,25/9	13,581	19,629	19,629	50,358	0,929	3,408	82,034	38,296	4,631	11,249	227,864
0,25/10	15,090	21,810	21,810	45,322	0,836	3,067	73,831	34,466	4,168	10,124	216,232
0,25/11	16,598	23,991	23,991	41,202	0,760	2,788	67,119	31,333	3,789	9,204	207,782
0,25/12	18,107	26,172	26,172	37,769	0,697	2,556	61,525	28,722	3,473	8,437	201,720
0,25/13	19,616	28,353	28,353	34,863	0,643	2,359	56,793	26,512	3,206	7,788	197,492
0,25/14	21,125	30,534	30,534	32,373	0,597	2,191	52,736	24,619	2,977	7,231	194,709
0,25/15	22,634	32,715	32,715	30,215	0,558	2,045	49,220	22,977	2,779	6,749	193,079
0,25/16	24,143	34,896	34,896	28,327	0,523	1,917	46,144	21,541	2,605	6,328	192,387
0,25/17	25,652	37,077	37,077	26,660	0,492	1,804	43,430	20,274	2,452	5,955	192,466
0,25/18	27,161	39,258	39,258	25,179	0,465	1,704	41,017	19,148	2,316	5,624	193,190
0,25/19	28,670	41,439	41,439	23,854	0,440	1,614	38,858	18,140	2,194	5,328	194,454
0,25/20	30,179	43,620	43,620	22,661	0,418	1,533	36,915	17,233	2,084	5,062	196,179
0,25/21	31,688	45,801	45,801	21,582	0,398	1,460	35,157	16,412	1,985	4,821	198,299
0,25/22	33,197	47,982	47,982	20,601	0,380	1,394	33,559	15,666	1,895	4,602	200,761
0,25/23	34,706	50,163	50,163	19,705	0,364	1,333	32,100	14,985	1,812	4,402	203,519
0,25/24	36,215	52,344	52,344	18,884	0,348	1,278	30,763	14,361	1,737	4,218	206,537
0,25/25	37,724	54,525	54,525	18,129	0,335	1,227	29,532	13,786	1,667	4,050	209,783
0,25/26	39,233	56,706	56,706	17,432	0,322	1,180	28,396	13,256	1,603	3,894	213,231
0,25/27	40,742	58,887	58,887	16,786	0,310	1,136	27,345	12,765	1,544	3,750	216,858
0,25/28	42,251	61,068	61,068	16,187	0,299	1,095	26,368	12,309	1,489	3,616	220,645
0,25/29	43,760	63,249	63,249	15,628	0,288	1,058	25,459	11,885	1,437	3,491	224,576
			•		B-28	8: Т _{ок} =4,	$\alpha_p=0,20$	•			
0,20/1	1,509	1,745	1,745	362,579	8,364	30,670	738,305	344,660	41,680	101,240	1489,577
0,20/2	3,018	3,490	3,490	181,290	4,182	15,335	369,153	172,330	20,840	50,620	752,288
0,20/3	4,527	5,234	5,234	120,860	2,788	10,223	246,102	114,887	13,893	33,747	509,855
0,20/4	6,036	6,979	6,979	90,645	2,091	7,667	184,576	86,165	10,420	25,310	391,138
0,20/5	7,545	8,724	8,724	72,516	1,673	6,134	147,661	68,932	8,336	20,248	321,909
0,20/6	9,054	10,469	10,469	60,430	1,394	5,112	123,051	57,443	6,947	16,873	277,422
0,20/7	10,563	12,214	12,214	51,797	1,195	4,381	105,472	49,237	5,954	14,463	247,073
0,20/8	12,072	13,958	13,958	45,322	1,045	3,834	92,288	43,083	5,210	12,655	225,560
0,20/9	13,581	15,703	15,703	40,287	0,929	3,408	82,034	38,296	4,631	11,249	209,941
0,20/10	15,090	17,448	17,448	36,258	0,836	3,067	73,831	34,466	4,168	10,124	198,444
0,20/11	16,598	19,193	19,193	32,962	0,760	2,788	67,119	31,333	3,789	9,204	189,946
0,20/12	18,107	20,938	20,938	30,215	0,697	2,556	61,525	28,722	3,473	8,437	183,698
0,20/13	19,616	22,682	22,682	27,891	0,643	2,359	56,793	26,512	3,206	7,788	179,178
0,20/14	21,125	24,427	24,427	25,899	0,597	2,191	52,736	24,619	2,977	7,231	176,021
0,20/15	22,634	26,172	26,172	24,172	0,558	2,045	49,220	22,977	2,779	6,749	173,950
0,20/16	24,143	27,917	27,917	22,661	0,523	1,917	46,144	21,541	2,605	6,328	172,763
0,20/17	25,652	29,662	29,662	21,328	0,492	1,804	43,430	20,274	2,452	5,955	172,304
0,20/18	27,161	31,406	31,406	20,143	0,465	1,704	41,017	19,148	2,316	5,624	172,450
0,20/19	28,670	33,151	33,151	19,083	0,440	1,614	38,858	18,140	2,194	5,328	173,107
0,20/20	30,179	34,896	34,896	18,129	0,418	1,533	36,915	17,233	2,084	5,062	174,199
0,20/21	31,688	36,641	36,641	17,266	0,398	1,460	35,157	16,412	1,985	4,821	175,663

0,20/22	33,197	38,386	38,386	16,481	0,380	1,394	33,559	15,666	1,895	4,602	177,449
0,20/23	34,706	40,130	40,130	15,764	0,364	1,333	32,100	14,985	1,812	4,402	179,512
0,20/24	36,215	41,875	41,875	15,107	0,348	1,278	30,763	14,361	1,737	4,218	181,822
0,20/25	37,724	43,620	43,620	14,503	0,335	1,227	29,532	13,786	1,667	4,050	184,347
0,20/26	39,233	45,365	45,365	13,945	0,322	1,180	28,396	13,256	1,603	3,894	187,062
0,20/27	40,742	47,110	47,110	13,429	0,310	1,136	27,345	12,765	1,544	3,750	189,947
0,20/28	42,251	48,854	48,854	12,949	0,299	1,095	26,368	12,309	1,489	3,616	192,979
0,20/29	43,760	50,599	50,599	12,503	0,288	1,058	25,459	11,885	1,437	3,491	196,151
0,20/2)	43,700	30,377	30,377	12,303		9: T _{ok} =4,		11,003	1,437	3,471	170,131
0,67/1	1,509	5,819	5,819	1209,202	8,364	30,670	738,305	344,660	41,680	101,240	2344,348
0,67/2	3,018	11,638	11,638	604,601	4,182	15,335	369,153	172,330	20,840	50,620	1191,895
0,67/3	4,527	17,457	17,457	403,067	2,788	10,223	246,102	114,887	13,893	33,747	816,508
0,67/4	6,036	23,276	23,276	302,301	2,788	7,667	184,576	86,165	10,420	25,310	635,388
0,67/5	7,545	29,095	29,095	241,840	1,673	6,134	147,661	68,932	8,336	20,248	531,975
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0,67/6	9,054	34,913	34,913	201,534	1,394	5,112	123,051	57,443	6,947	16,873	467,414
0,67/7	10,563	40,732	40,732	172,743	1,195	4,381	105,472	49,237	5,954	14,463	425,055
0,67/8	12,072	46,551	46,551	151,150	1,045	3,834	92,288	43,083	5,210	12,655	396,574
0,67/9	13,581	52,370	52,370	134,356	0,929	3,408	82,034	38,296	4,631	11,249	377,344
0,67/10	15,090	58,189	58,189	120,920	0,836	3,067	73,831	34,466	4,168	10,124	364,588
0,67/11	16,598	64,008	64,008	109,927	0,760	2,788	67,119	31,333	3,789	9,204	356,541
0,67/12	18,107	69,827	69,827	100,767	0,697	2,556	61,525	28,722	3,473	8,437	352,028
0,67/13	19,616	75,646	75,646	93,016	0,643	2,359	56,793	26,512	3,206	7,788	350,231
0,67/14	21,125	81,465	81,465	86,372	0,597	2,191	52,736	24,619	2,977	7,231	350,570
0,67/15	22,634	87,284	87,284	80,613	0,558	2,045	49,220	22,977	2,779	6,749	352,615
0,67/16	24,143	93,103	93,103	75,575	0,523	1,917	46,144	21,541	2,605	6,328	356,049
0,67/17	25,652	98,921	98,921	71,130	0,492	1,804	43,430	20,274	2,452	5,955	360,624
0,67/18	27,161	104,740	104,740	67,178	0,465	1,704	41,017	19,148	2,316	5,624	366,153
0,67/19	28,670	110,559	110,559	63,642	0,440	1,614	38,858	18,140	2,194	5,328	372,482
0,67/20	30,179	116,378	116,378	60,460	0,418	1,533	36,915	17,233	2,084	5,062	379,494
0,67/21	31,688	122,197	122,197	57,581	0,398	1,460	35,157	16,412	1,985	4,821	387,090
0,67/22	33,197	128,016	128,016	54,964	0,380	1,394	33,559	15,666	1,895	4,602	395,192
0,67/23	34,706	133,835	133,835	52,574	0,364	1,333	32,100	14,985	1,812	4,402	403,732
0,67/24	36,215	139,654	139,654	50,383	0,348	1,278	30,763	14,361	1,737	4,218	412,656
0,67/25	37,724	145,473	145,473	48,368	0,335	1,227	29,532	13,786	1,667	4,050	421,918
0,67/26	39,233	151,292	151,292	46,508	0,322	1,180	28,396	13,256	1,603	3,894	431,479
0,67/27	40,742	157,111	157,111	44,785	0,310	1,136	27,345	12,765	1,544	3,750	441,305
0,67/28	42,251	162,929	162,929	43,186	0,299	1,095	26,368	12,309	1,489	3,616	451,366
0,67/29	43,760	168,748	168,748	41,697	0,288	1,058	25,459	11,885	1,437	3,491	461,643
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0,63/1	1,509	5,452	5,452	1133,061	8,364	30,670	738,305	344,660	41,680	101.240	2267,473
0,63/2	3,018	10,905	10,905	566,530	4,182	15,335	369,153	172,330	20,840	50,620	1152,358
0,63/3	4,527	16,357	16,357	377,687	2,788	10,223	246,102	114,887	13,893	33,747	788,928
0,63/4	6,036	21,810	21,810	283,265	2,788	7,667	184,576	86,165	10,420	25,310	613,420
0,63/4	7,545	27,262	27,262	226,612	1,673	6,134	147,661	68,932	8,336	20,248	513,081
0,63/6	9,054	32,715	32,715	188,843	1,394	5,112	123,051	57,443	6,947	16,873	450,327
0,63/7	10,563	38,167	38,167	161,866	1,195	4,381	105,472	49,237	5,954	14,463	409,048
		43,620									
0,63/8	12,072		43,620	141,633	1,045	3,834	92,288	43,083	5,210	12,655	381,195
0,63/9	13,581	49,072	49,072	125,896	0,929	3,408	82,034	38,296	4,631	11,249	362,288
0,63/10	15,090	54,525	54,525	113,306	0,836	3,067	73,831	34,466	4,168	10,124	349,646
0,63/11	16,598	59,977	59,977	103,006	0,760	2,788	67,119	31,333	3,789	9,204	341,558
0,63/12	18,107	65,430	65,430	94,422	0,697	2,556	61,525	28,722	3,473	8,437	336,889
0,63/13	19,616	70,882	70,882	87,159	0,643	2,359	56,793	26,512	3,206	7,788	334,846
0,63/14	21,125	76,335	76,335	80,933	0,597	2,191	52,736	24,619	2,977	7,231	334,871
0,63/15	22,634	81,787	81,787	75,537	0,558	2,045	49,220	22,977	2,779	6,749	336,545
0,63/16	24,143	87,240	87,240	70,816	0,523	1,917	46,144	21,541	2,605	6,328	339,564
0,63/17	25,652	92,692	92,692	66,651	0,492	1,804	43,430	20,274	2,452	5,955	343,687
0,63/18	27,161	98,145	98,145	62,948	0,465	1,704	41,017	19,148	2,316	5,624	348,733
0,63/19	28,670	103,597	103,597	59,635	0,440	1,614	38,858	18,140	2,194	5,328	354,551
0,63/20	30,179	109,050	109,050	56,653	0,418	1,533	36,915	17,233	2,084	5,062	361,031
0,63/21	31,688	114,502	114,502	53,955	0,398	1,460	35,157	16,412	1,985	4,821	368,074
0,63/22	33,197	119,955	119,955	51,503	0,380	1,394	33,559	15,666	1,895	4,602	375,609
0,63/23	34,706	125,407	125,407	49,264	0,364	1,333	32,100	14,985	1,812	4,402	383,566
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0,63/24	36,215	130,860	130,860	47,211	0,348	1,278	30,763	14,361	1,737	4,218	391,896
0,63/25	37,724	136,313	136,313	45,322	0,335	1,227	29,532	13,786	1,667	4,050	400,552
0,63/26	39,233	141,765	141,765	43,579	0,322	1,180	28,396	13,256	1,603	3,894	409,496
0,63/27	40,742	147,218	147,218	41,965	0,310	1,136	27,345	12,765	1,544	3,750	418,699
0,63/28	42,251	152,670	152,670	40,466	0,299	1,095	26,368	12,309	1,489	3,616	428,128
0,63/29	43,760	158,123	158,123	39,071	0,288	1,058	25,459	11,885	1,437	3,491	437,767
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0,75/1	1,509	6,543	6,543	1359,673	8,364	30,670	738,305	344,660	41,680	101,240	2496,267
0,75/2	3,018	13,086	13,086	679,836	4,182	15,335	369,153	172,330	20,840	50,620	1270,026
0,75/3	4,527	19,629	19,629	453,224	2,788	10,223	246,102	114,887	13,893	33,747	871,009
0,75/4	6,036	26,172	26,172	339,918	2,091	7,667	184,576	86,165	10,420	25,310	678,797
0,75/5	7,545	32,715	32,715	271,935	1,673	6,134	147,661	68,932	8,336	20,248	569,310
0,75/6	9,054	39,258	39,258	226,612	1,394	5,112	123,051	57,443	6,947	16,873	501,182
0,75/7	10,563	45,801	45,801	194,239	1,195	4,381	105,472	49,237	5,954	14,463	456,689
0,75/8	12,072	52,344	52,344	169,959	1,045	3,834	92,288	43,083	5,210	12,655	426,969
0,75/9	13,581	58,887	58,887	151,075	0,929	3,408	82,034	38,296	4,631	11,249	407,097
0,75/10											
	15,090	65,430	65,430	135,967	0,836	3,067	73,831	34,466	4,168	10,124	394,117
0,75/11	16,598	71,973	71,973	123,607	0,760	2,788	67,119	31,333	3,789	9,204	386,151
0,75/12	18,107	78,516	78,516	113,306	0,697	2,556	61,525	28,722	3,473	8,437	381,945
0,75/13	19,616	85,059	85,059	104,590	0,643	2,359	56,793	26,512	3,206	7,788	380,631
0,75/14	21,125	91,602	91,602	97,119	0,597	2,191	52,736	24,619	2,977	7,231	381,591
0,75/15	22,634	98,145	98,145	90,645	0,558	2,045	49,220	22,977	2,779	6,749	384,369
0,75/16	24,143	104,688	104,688	84,980	0,523	1,917	46,144	21,541	2,605	6,328	388,624
0,75/17	25,652	111,231	111,231	79,981	0,492	1,804	43,430	20,274	2,452	5,955	394,095
0,75/18	27,161	117,774	117,774	75,537	0,465	1,704	41,017	19,148	2,316	5,624	400,580
0,75/19	28,670	124,317	124,317	71,562	0,440	1,614	38,858	18,140	2,194	5,328	407,918
0,75/20	30,179	130,860	130,860	67,984	0,418	1,533	36,915	17,233	2,084	5,062	415,982
0,75/21	31,688	137,403	137,403	64,746	0,398	1,460	35,157	16,412	1,985	4,821	424,667
0,75/22	33,197	143,946	143,946	61,803	0,380	1,394	33,559	15,666	1,895	4,602	433,891
0,75/23	34,706	150,489	150,489	59,116	0,364	1,333	32,100	14,985	1,812	4,402	443,582
0,75/24	36,215	157,032	157,032	56,653	0,348	1,278	30,763	14,361	1,737	4,218	453,682
0,75/25	37,724	163,575	163,575	54,387	0,335	1,227	29,532	13,786	1,667	4,050	464,141
0,75/26	39,233	170,118	170,118	52,295	0,322	1,180	28,396	13,256	1,603	3,894	474,918
0,75/27	40,742	176,661	176,661	50,358	0,310	1,136	27,345	12,765	1,544	3,750	485,978
0,75/28	42,251	183,204	183,204	48,560	0,299	1,095	26,368	12,309	1,489	3,616	497,290
0,75/29	43,760	189,747	189,747	46,885	0,288	1,058	25,459	11,885	1,437	3,491	508,829
						2: T _{οκ} =4,				T	
0,80/1	1,509	6,979	6,979	1450,318	8,364	30,670	738,305	344,660	41,680	101,240	2587,784
0,80/2	3,018	13,958	13,958	725,159	4,182	15,335	369,153	172,330	20,840	50,620	1317,093
0,80/3	4,527	20,938	20,938	483,439	2,788	10,223	246,102	114,887	13,893	33,747	903,842
0,80/4	6,036	27,917	27,917	362,579	2,091	7,667	184,576	86,165	10,420	25,310	704,948
0,80/5	7,545	34,896	34,896	290,064	1,673	6,134	147,661	68,932	8,336	20,248	591,801
0,80/6	9,054	41,875	41,875	241,720	1,394	5,112	123,051	57,443	6,947	16,873	521,524
0,80/7	10,563	48,854	48,854	207,188	1,195	4,381	105,472	49,237	5,954	14,463	475,744
0,80/8	12,072	55,834	55,834	181,290	1,045	3,834	92,288	43,083	5,210	12,655	445,280
0,80/9	13,581	62,813	62,813	161,146	0,929	3,408	82,034	38,296	4,631	11,249	425,020
0,80/10	15,090	69,792	69,792	145,032	0,836	3,067	73,831	34,466	4,168	10,124	411,906
0,80/11	16,598	76,771	76,771	131,847	0,760	2,788	67,119	31,333	3,789	9,204	403,987
0,80/12	18,107	83,750	83,750	120,860	0,697	2,556	61,525	28,722	3,473	8,437	399,967
0,80/13	19,616	90,730	90,730	111,563	0,643	2,359	56,793	26,512	3,206	7,788	398,946
0,80/14	21,125	97,709	97,709	103,594	0,597	2,191	52,736	24,619	2,977	7,231	400,280
0,80/15	22,634	104,688	104,688	96,688	0,558	2,045	49,220	22,977	2,779	6,749	403,498
0,80/16	24,143	111,667	111,667	90,645	0,523	1,917	46,144	21,541	2,605	6,328	408,247
0,80/17	25,652	118,646	118,646	85,313	0,492	1,804	43,430	20,274	2,452	5,955	414,257
0,80/18	27,161	125,626	125,626	80,573	0,465	1,704	41,017	19,148	2,316	5,624	421,320
0,80/19	28,670	132,605	132,605	76,333	0,440	1,614	38,858	18,140	2,194	5,328	429,265
0,80/20	30,179	139,584	139,584	72,516	0,418	1,533	36,915	17,233	2,084	5,062	437,962
0,80/21	31,688	146,563	146,563	69,063	0,398	1,460	35,157	16,412	1,985	4,821	447,304
0,80/22	33,197	153,542	153,542	65,924	0,380	1,394	33,559	15,666	1,895	4,602	457,204
0,80/23	34,706	160,522	160,522	63,057	0,364	1,333	32,100	14,985	1,812	4,402	467,589
0,80/24	36,215	167,501	167,501	60,430	0,348	1,278	30,763	14,361	1,737	4,218	478,397
0,80/25	37,724	174,480	174,480	58,013	0,335	1,227	29,532	13,786	1,667	4,050	489,577

0,80/26	39,233	181,459	181,459	55,781	0,322	1,180	28,396	13,256	1,603	3,894	501,086
0,80/27	40,742	188,438	188,438	53,715	0,310	1,136	27,345	12,765	1,544	3,750	512,889
0,80/28	42,251	195,418	195,418	51,797	0,299	1,095	26,368	12,309	1,489	3,616	524,955
0,80/29	43,760	202,397	202,397	50,011	0,288	1,058	25,459	11,885	1,437	3,491	537,255
					B-3	3: Т _{ок} =5,	$\alpha_{p} = 0,50$				
0,50/1	1,509	3,490	3,490	906,449	8,364	30,670	738,305	344,660	41,680	101,240	2036,937
0,50/2	3,018	6,979	6,979	453,224	4,182	15,335	369,153	172,330	20,840	50,620	1031,200
0,50/3	4,527	10,469	10,469	302,150	2,788	10,223	246,102	114,887	13,893	33,747	701,615
0,50/4	6,036	13,958	13,958	226,612	2,091	7,667	184,576	86,165	10,420	25,310	541,063
0,50/5	7,545	17,448	17,448	181,290	1,673	6,134	147,661	68,932	8,336	20,248	448,131
0,50/6	9,054	20,938	20,938	151,075	1,394	5,112	123,051	57,443	6,947	16,873	389,005
0,50/7	10,563	24,427	24,427	129,493	1,195	4,381	105,472	49,237	5,954	14,463	349,195
0,50/8	12,072	27,917	27,917	113,306	1,045	3,834	92,288	43,083	5,210	12,655	321,462
0,50/9	13,581	31,406	31,406	100,717	0,929	3,408	82,034	38,296	4,631	11,249	301,777
0,50/10	15,090	34,896	34,896	90,645	0,836	3,067	73,831	34,466	4,168	10,124	287,727
0,50/11	16,598	38,386	38,386	82,404	0,760	2,788	67,119	31,333	3,789	9,204	277,774
0,50/12	18,107	41,875	41,875	75,537	0,697	2,556	61,525	28,722	3,473	8,437	270,894
0,50/13	19,616	45,365	45,365	69,727	0,643	2,359	56,793	26,512	3,206	7,788	266,380
0,50/14	21,125	48,854	48,854	64,746	0,597	2,191	52,736	24,619	2,977	7,231	263,722
0,50/15	22,634	52,344	52,344	60,430	0,558	2,045	49,220	22,977	2,779	6,749	262,552
0,50/16	24,143	55,834	55,834	56,653	0,523	1,917	46,144	21,541	2,605	6,328	262,589
0,50/17	25,652	59,323	59,323	53,321	0,492	1,804	43,430	20,274	2,452	5,955	263,619
0,50/18	27,161	62,813	62,813	50,358	0,465	1,704	41,017	19,148	2,316	5,624	265,479
0,50/19	28,670	66,302	66,302	47,708	0,440	1,614	38,858	18,140	2,194	5,328	268,034
0,50/20	30,179	69,792	69,792	45,322	0,418	1,533	36,915	17,233	2,084	5,062	271,184
0,50/21	31,688	73,282 76,771	73,282	43,164	0,398	1,460 1,394	35,157	16,412	1,985	4,821	274,843
0,50/22 0,50/23	33,197 34,706		76,771	41,202	0,380 0,364		33,559	15,666	1,895 1,812	4,602	278,940
0,50/23	36,215	80,261 83,750	80,261 83,750	39,411 37,769	0,348	1,333 1,278	32,100 30,763	14,985 14,361	1,737	4,402 4,218	283,421 288,234
0,50/24	37,724	87,240	87,240	36,258	0,348	1,227	29,532	13,786	1,667	4,050	293,342
0,50/25	39,233	90,730	90,730	34,863	0,333	1,180	28,396	13,786	1,603	3,894	298,710
0,50/27	40,742	94,219	94,219	33,572	0,310	1,136	27,345	12,765	1,544	3,750	304,308
0,50/28	42,251	97,709	97,709	32,373	0,299	1,095	26,368	12,709	1,489	3,616	310,113
0,50/29	43,760	101,198	101,198	31,257	0,288	1,058	25,459	11,885	1,437	3,491	316,103
0,00,25	10,700	101,170	101,170	01,207		4: T _{ok} =5,		11,000	1,.07	5,.,1	010,100
0,33/1	1,509	2,324	2,324	603,695	8,364	30,670	738,305	344,660	41,680	101,240	1731,851
0,33/2	3,018	4,648	4,648	301,847	4,182	15,335	369,153	172,330	20,840	50,620	875,161
0,33/3	4,527	6,972	6,972	201,232	2,788	10,223	246,102	114,887	13,893	33,747	593,703
0,33/4	6,036	9,296	9,296	150,924	2,091	7,667	184,576	86,165	10,420	25,310	456,051
0,33/5	7,545	11,620	11,620	120,739	1,673	6,134	147,661	68,932	8,336	20,248	375,924
0,33/6	9,054	13,944	13,944	100,616	1,394	5,112	123,051	57,443	6,947	16,873	324,558
0,33/7	10,563	16,269	16,269	86,242	1,195	4,381	105,472	49,237	5,954	14,463	289,628
0,33/8	12,072	18,593	18,593	75,462	1,045	3,834	92,288	43,083	5,210	12,655	264,970
0,33/9	13,581	20,917	20,917	67,077	0,929	3,408	82,034	38,296	4,631	11,249	247,159
0,33/10	15,090	23,241	23,241	60,369	0,836	3,067	73,831	34,466	4,168	10,124	234,141
0,33/11	16,598	25,565	25,565	54,881	0,760	2,788	67,119	31,333	3,789	9,204	224,609
0,33/12	18,107	27,889	27,889	50,308	0,697	2,556	61,525	28,722	3,473	8,437	217,693
0,33/13	19,616	30,213	30,213	46,438	0,643	2,359	56,793	26,512	3,206	7,788	212,787
0,33/14	21,125	32,537	32,537	43,121	0,597	2,191	52,736	24,619	2,977	7,231	209,463
0,33/15	22,634	34,861	34,861	40,246	0,558	2,045	49,220	22,977	2,779	6,749	207,402
0,33/16	24,143	37,185	37,185	37,731	0,523	1,917	46,144	21,541	2,605	6,328	206,369
0,33/17	25,652	39,509	39,509	35,511	0,492	1,804	43,430	20,274	2,452	5,955	206,181
0,33/18	27,161	41,833	41,833	33,539	0,465	1,704	41,017	19,148	2,316	5,624	206,700
0,33/19	28,670	44,157	44,157	31,773	0,440	1,614	38,858	18,140	2,194	5,328	207,809
0,33/20	30,179	46,481	46,481	30,185	0,418	1,533	36,915	17,233	2,084	5,062	209,425
0,33/21	31,688	48,806	48,806	28,747	0,398	1,460	35,157	16,412	1,985	4,821	211,474
0,33/22	33,197	51,130	51,130	27,441	0,380	1,394	33,559	15,666	1,895	4,602	213,897
0,33/23	34,706	53,454	53,454	26,248	0,364	1,333	32,100	14,985	1,812	4,402	216,644
0,33/24	36,215	55,778	55,778 58 102	25,154	0,348	1,278	30,763	14,361	1,737	4,218	219,675
0,33/25 0,33/26	37,724 39,233	58,102 60,426	58,102 60,426	24,148 23,219	0,335	1,227 1,180	29,532 28,396	13,786 13,256	1,667 1,603	4,050 3,894	222,956 226,458
0,33/20	40,742	62,750	62,750	22,359	0,322	1,136	27,345	12,765	1,544	3,750	230,157
0,33/41	70,774	02,730	02,730	44,333	0,510	1,130	41,343	14,700	1,,,,++	3,730	230,137

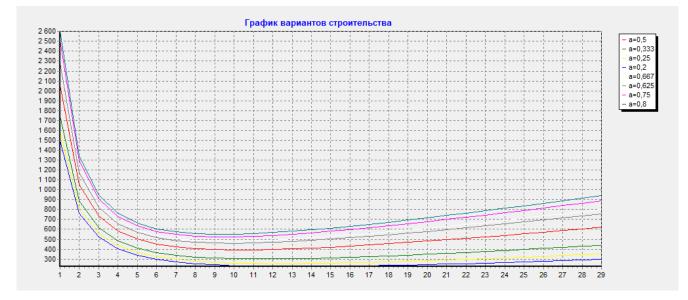
0,33/28	42,251	65,074	65,074	21,561	0,299	1,095	26,368	12,309	1,489	3,616	234,031
0,33/29	43,760	67,398	67,398	20,817	0,288	1,058	25,459	11,885	1,437	3,491	238,063
		T	1			5: Τ _{οκ} =5,		1		Γ	
0,25/1	1,509	1,745	1,745	453,224	8,364	30,670	738,305	344,660	41,680	101,240	1580,222
0,25/2	3,018	3,490	3,490	226,612	4,182	15,335	369,153	172,330	20,840	50,620	797,610
0,25/3	4,527	5,234	5,234	151,075	2,788	10,223	246,102	114,887	13,893	33,747	540,070
0,25/4	6,036	6,979	6,979	113,306	2,091	7,667	184,576	86,165	10,420	25,310	413,799
0,25/5	7,545	8,724	8,724	90,645	1,673	6,134	147,661	68,932	8,336	20,248	340,038
0,25/6	9,054	10,469	10,469	75,537	1,394	5,112	123,051	57,443	6,947	16,873	292,529
0,25/7	10,563	12,214	12,214	64,746	1,195	4,381	105,472	49,237	5,954	14,463	260,022
0,25/8	12,072	13,958	13,958	56,653	1,045	3,834	92,288	43,083	5,210	12,655	236,891
0,25/9 0,25/10	13,581 15,090	15,703 17,448	15,703 17,448	50,358 45,322	0,929	3,408	82,034 73,831	38,296 34,466	4,631 4,168	11,249 10,124	220,012 207,508
0,25/10	16,598	19,193	19,193	43,322	0,760	3,067 2,788	67,119	31,333	3,789	9,204	198,186
0,25/11	18,107	20,938	20,938	37,769	0,760	2,786	61,525	28,722	3,473	8,437	191,252
0,25/12	19,616	22,682	22,682	34,863	0,643	2,359	56,793	26,512	3,206	7,788	186,150
0,25/14	21,125	24,427	24,427	32,373	0,597	2,191	52,736	24,619	2,977	7,733	182,495
0,25/15	22,634	26,172	26,172	30,215	0,558	2,045	49,220	22,977	2,779	6,749	179,993
0,25/16	24,143	27,917	27,917	28,327	0,523	1,917	46,144	21,541	2,605	6,328	178,429
0,25/17	25,652	29,662	29,662	26,660	0,492	1,804	43,430	20,274	2,452	5,955	177,636
0,25/18	27,161	31,406	31,406	25,179	0,465	1,704	41,017	19,148	2,316	5,624	177,486
0,25/19	28,670	33,151	33,151	23,854	0,440	1,614	38,858	18,140	2,194	5,328	177,878
0,25/20	30,179	34,896	34,896	22,661	0,418	1,533	36,915	17,233	2,084	5,062	178,731
0,25/21	31,688	36,641	36,641	21,582	0,398	1,460	35,157	16,412	1,985	4,821	179,979
0,25/22	33,197	38,386	38,386	20,601	0,380	1,394	33,559	15,666	1,895	4,602	181,569
0,25/23	34,706	40,130	40,130	19,705	0,364	1,333	32,100	14,985	1,812	4,402	183,453
0,25/24	36,215	41,875	41,875	18,884	0,348	1,278	30,763	14,361	1,737	4,218	185,599
0,25/25	37,724	43,620	43,620	18,129	0,335	1,227	29,532	13,786	1,667	4,050	187,973
0,25/26	39,233	45,365	45,365	17,432	0,322	1,180	28,396	13,256	1,603	3,894	190,549
0,25/27	40,742	47,110	47,110	16,786	0,310	1,136	27,345	12,765	1,544	3,750	193,304
0,25/28	42,251	48,854	48,854	16,187	0,299	1,095	26,368	12,309	1,489	3,616	196,217
0,25/29	43,760	50,599	50,599	15,628	0,288	1,058	25,459	11,885	1,437	3,491	199,276
0.20/1	1.500	1.206	1.206	262.570	1	6: T _{ok} =5,		244.660	41.600	101.240	1.400.070
0,20/1	1,509	1,396	1,396	362,579	8,364	30,670	738,305	344,660	41,680	101,240	1488,879
0,20/2	3,018	2,792	2,792	181,290	4,182 2,788	15,335 10,223	369,153	172,330	20,840	50,620	750,892 507,763
0,20/3	4,527 6,036	4,188 5,583	4,188 5,583	120,860 90,645	2,788	7,667	246,102 184,576	114,887	13,893	33,747 25,310	388,346
0,20/4	7,545	6,979	6,979	72,516	1,673	6,134	147,661	68,932	8,336	20,248	318,419
0,20/6	9,054	8,375	8,375	60,430	1,394	5,112	123,051	57,443	6,947	16,873	273,234
0,20/7	10,563	9,771	9,771	51,797	1,195	4,381	105,472	49,237	5,954	14,463	242,187
0,20/8	12,072	11,167	11,167	45,322	1,045	3,834	92,288	43,083	5,210	12,655	219,978
0,20/9	13,581	12,563	12,563	40,287	0,929	3,408	82,034	38,296	4,631	11,249	203,661
0,20/10	15,090	13,958	13,958	36,258	0,836	3,067	73,831	34,466	4,168	10,124	191,464
0,20/11	16,598	15,354	15,354	32,962	0,760	2,788	67,119	31,333	3,789	9,204	182,268
0,20/12	18,107	16,750	16,750	30,215	0,697	2,556	61,525	28,722	3,473	8,437	175,322
0,20/13	19,616	18,146	18,146	27,891	0,643	2,359	56,793	26,512	3,206	7,788	170,106
0,20/14	21,125	19,542	19,542	25,899	0,597	2,191	52,736	24,619	2,977	7,231	166,251
0,20/15	22,634	20,938	20,938	24,172	0,558	2,045	49,220	22,977	2,779	6,749	163,482
0,20/16	24,143	22,333	22,333	22,661	0,523	1,917	46,144	21,541	2,605	6,328	161,595
0,20/17	25,652	23,729	23,729	21,328	0,492	1,804	43,430	20,274	2,452	5,955	160,438
0,20/18	27,161	25,125	25,125	20,143	0,465	1,704	41,017	19,148	2,316	5,624	159,888
0,20/19	28,670	26,521	26,521	19,083	0,440	1,614	38,858	18,140	2,194	5,328	159,847
0,20/20	30,179	27,917	27,917	18,129	0,418	1,533	36,915	17,233	2,084	5,062	160,241
0,20/21	31,688	29,313	29,313	17,266	0,398	1,460	35,157	16,412	1,985	4,821	161,007
0,20/22	33,197	30,708	30,708	16,481	0,380	1,394	33,559	15,666	1,895	4,602	162,093
0,20/23	34,706	32,104	32,104	15,764	0,364	1,333	32,100	14,985	1,812	4,402	163,460
0,20/24	36,215	33,500	33,500	15,107	0,348	1,278	30,763	14,361	1,737	4,218	165,072
0,20/25	37,724	34,896	34,896	14,503	0,335	1,227	29,532	13,786	1,667	4,050	166,899
0,20/26	39,233	36,292	36,292	13,945	0,322	1,180	28,396	13,256	1,603	3,894	168,916
0,20/27	40,742	37,688	37,688	13,429	0,310	1,136	27,345	12,765	1,544	3,750	171,103
0,20/28	42,251	39,084	39,084	12,949	0,299	1,095	26,368	12,309	1,489	3,616	173,439
0,20/29	43,760	40,479	40,479	12,503	0,288	1,058	25,459	11,885	1,437	3,491	175,911

					R-3	7: T _{ok} =5,	a _n =0.67				
0,67/1	1,509	4,655	4,655	1209,202	8,364	30,670	738,305	344,660	41,680	101,240	2342,020
0,67/2	3,018	9,310	9,310	604,601	4,182	15,335	369,153	172,330	20,840	50,620	1187,239
0,67/3	4,527	13,965	13,965	403,067	2,788	10,223	246,102	114,887	13,893	33,747	809,524
0,67/4	6,036	18,621	18,621	302,301	2,091	7,667	184,576	86,165	10,420	25,310	626,078
0,67/5	7,545	23,276	23,276	241,840	1,673	6,134	147,661	68,932	8,336	20,248	520,337
0,67/6	9,054	27,931	27,931	201,534	1,394	5,112	123,051	57,443	6,947	16,873	453,450
0,67/7	10,563	32,586	32,586	172,743	1,195	4,381	105,472	49,237	5,954	14,463	408,763
0,67/8	12,072	37,241	37,241	151,150	1,045	3,834	92,288	43,083	5,210	12,655	377,954
0,67/9	13,581	41,896	41,896	134,356	0,929	3,408	82,034	38,296	4,631	11,249	356,396
0,67/10	15,090	46,551	46,551	120,920	0,836	3,067	73,831	34,466	4,168	10,124	341,312
0,67/11	16,598	51,206	51,206	109,927	0,760	2,788	67,119	31,333	3,789	9,204	330,937
0,67/12	18,107	55,862	55,862	100,767	0,697	2,556	61,525	28,722	3,473	8,437	324,098
0,67/13	19,616	60,517	60,517	93,016	0,643	2,359	56,793	26,512	3,206	7,788	319,973
0,67/14	21,125	65,172	65,172	86,372	0,597	2,191	52,736	24,619	2,977	7,231	317,984
0,67/15	22,634	69,827	69,827	80,613	0,558	2,045	49,220	22,977	2,779	6,749	317,701
0,67/16	24,143	74,482	74,482	75,575	0,523	1,917	46,144	21,541	2,605	6,328	318,807
0,67/17	25,652	79,137	79,137	71,130	0,492	1,804	43,430	20,274	2,452	5,955	321,056
0,67/18	27,161	83,792	83,792	67,178	0,465	1,704	41,017	19,148	2,316	5,624	324,257
0,67/19	28,670	88,447	88,447	63,642	0,440	1,614	38,858	18,140	2,194	5,328	328,258
0,67/20	30,179	93,103	93,103	60,460	0,418	1,533	36,915	17,233	2,084	5,062	332,944
0,67/21	31,688	97,758	97,758	57,581	0,398	1,460	35,157	16,412	1,985	4,821	338,212
0,67/22 0,67/23	33,197 34,706	102,413 107,068	102,413 107,068	54,964 52,574	0,380 0,364	1,394 1,333	33,559 32,100	15,666 14,985	1,895 1,812	4,602 4,402	343,986 350,198
0,67/24	36,215	111,723	111,723	50,383	0,348	1,278	30,763	14,361	1,737	4,402	356,794
0,67/25	37,724	111,723	116,378	48,368	0,346	1,227	29,532	13,786	1,737	4,050	363,728
0,67/26	39,233	121,033	121,033	46,508	0,333	1,180	28,396	13,786	1,603	3,894	370,961
0,67/27	40,742	125,688	125,688	44,785	0,310	1,136	27,345	12,765	1,544	3,750	378,459
0,67/28	42,251	130,344	130,344	43,186	0,299	1,095	26,368	12,309	1,489	3,616	386,196
0,67/29	43,760	134,999	134,999	41,697	0,288	1,058	25,459	11,885	1,437	3,491	394,145
,	,	1				8: Τ _{οκ} =5,		,			
0,63/1	1,509	4,362	4,362	1133,061	8,364	30,670	738,305	344,660	41,680	101,240	2265,293
0,63/2	3,018	8,724	8,724	566,530	4,182	15,335	369,153	172,330	20,840	50,620	1147,996
0,63/3	4,527	13,086	13,086	377,687	2,788	10,223	246,102	114,887	13,893	33,747	782,386
0,63/4	6,036	17,448	17,448	283,265	2,091	7,667	184,576	86,165	10,420	25,310	604,696
0,63/5	7,545	21,810	21,810	226,612	1,673	6,134	147,661	68,932	8,336	20,248	502,177
0,63/6	9,054	26,172	26,172	188,843	1,394	5,112	123,051	57,443	6,947	16,873	437,241
0,63/7	10,563	30,534	30,534	161,866	1,195	4,381	105,472	49,237	5,954	14,463	393,782
0,63/8	12,072	34,896	34,896	141,633	1,045	3,834	92,288	43,083	5,210	12,655	363,747
0,63/9	13,581	39,258	39,258	125,896	0,929	3,408	82,034	38,296	4,631	11,249	342,660
0,63/10	15,090	43,620	43,620	113,306	0,836	3,067	73,831	34,466	4,168	10,124	327,836
0,63/11 0,63/12	16,598	47,982	47,982 52,344	103,006	0,760	2,788 2,556	67,119 61,525	31,333	3,789	9,204	317,568
	18,107	52,344		94,422	0,697			28,722	3,473	8,437	310,717
0,63/13 0,63/14	19,616 21,125	56,706 61,068	56,706 61,068	87,159 80,933	0,643	2,359 2,191	56,793 52,736	26,512 24,619	3,206 2,977	7,788 7,231	306,494 304,337
0,63/15	22,634	65,430	65,430	75,537	0,558	2,045	49,220	22,977	2,779	6,749	303,831
0,63/16	24,143	69,792	69,792	70,816	0,538	1,917	46,144	21,541	2,605	6,328	304,668
0,63/17	25,652	74,154	74,154	66,651	0,492	1,804	43,430	20,274	2,452	5,955	306,611
0,63/18	27,161	78,516	78,516	62,948	0,465	1,704	41,017	19,148	2,316	5,624	309,475
0,63/19	28,670	82,878	82,878	59,635	0,440	1,614	38,858	18,140	2,194	5,328	313,113
0,63/20	30,179	87,240	87,240	56,653	0,418	1,533	36,915	17,233	2,084	5,062	317,411
0,63/21	31,688	91,602	91,602	53,955	0,398	1,460	35,157	16,412	1,985	4,821	322,274
0,63/22	33,197	95,964	95,964	51,503	0,380	1,394	33,559	15,666	1,895	4,602	327,627
0,63/23	34,706	100,326	100,326	49,264	0,364	1,333	32,100	14,985	1,812	4,402	333,404
0,63/24	36,215	104,688	104,688	47,211	0,348	1,278	30,763	14,361	1,737	4,218	339,552
0,63/25	37,724	109,050	109,050	45,322	0,335	1,227	29,532	13,786	1,667	4,050	346,026
0,63/26	39,233	113,412	113,412	43,579	0,322	1,180	28,396	13,256	1,603	3,894	352,790
0,63/27	40,742	117,774	117,774	41,965	0,310	1,136	27,345	12,765	1,544	3,750	359,811
0,63/28	42,251	122,136	122,136	40,466	0,299	1,095	26,368	12,309	1,489	3,616	367,060
0,63/29	43,760	126,498	126,498	39,071	0,288	1,058	25,459	11,885	1,437	3,491	374,517
0.75	1.500	F 22.1	5.024	1250 552		9: T _{ok} =5,		244 650	41.000	101 212	0.402.640
0,75/1	1,509	5,234	5,234	1359,673	8,364	30,670	738,305	344,660	41,680	101,240	2493,649

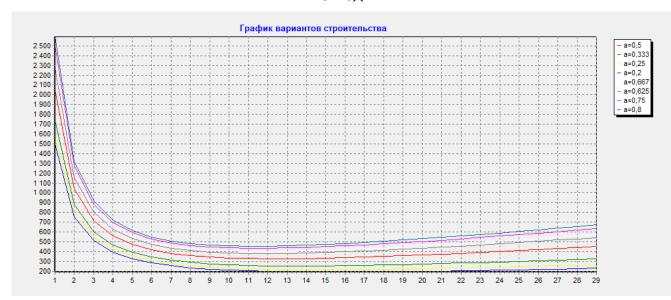
0,75/2	3,018	10,469	10,469	679,836	4,182	15,335	369,153	172,330	20,840	50,620	1264,792
0,75/3	4,527	15,703	15,703	453,224	2,788	10,223	246,102	114,887	13,893	33,747	863,157
0,75/4	6,036	20,938	20,938	339,918	2,091	7,667	184,576	86,165	10,420	25,310	668,329
0,75/5	7,545	26,172	26,172	271,935	1,673	6,134	147,661	68,932	8,336	20,248	556,224
0,75/6	9,054	31,406	31,406	226,612	1,394	5,112	123,051	57,443	6,947	16,873	485,478
0,75/7	10,563	36,641	36,641	194,239	1,195	4,381	105,472	49,237	5,954	14,463	438,369
0,75/8	12,072	41,875	41,875	169,959	1,045	3,834	92,288	43,083	5,210	12,655	406,031
0,75/9	13,581	47,110	47,110	151,075	0,929	3,408	82,034	38,296	4,631	11,249	383,543
0,75/10	15,090	52,344	52,344	135,967	0,836	3,067	73,831	34,466	4,168	10,124	367,945
0,75/11	16,598	57,578	57,578	123,607	0,760	2,788	67,119	31,333	3,789	9,204	357,361
0,75/12	18,107	62,813	62,813	113,306	0,697	2,556	61,525	28,722	3,473	8,437	350,539
0,75/13	19,616	68,047	68,047	104,590	0,643	2,359	56,793	26,512	3,206	7,788	346,607
0,75/14	21,125	73,282	73,282	97,119	0,597	2,191	52,736	24,619	2,977	7,231	344,951
0,75/15	22,634	78,516	78,516	90,645	0,558	2,045	49,220	22,977	2,779	6,749	345,111
0,75/16	24,143	83,750	83,750	84,980	0,523	1,917	46,144	21,541	2,605	6,328	346,748
0,75/17	25,652	88,985	88,985	79,981	0,492	1,804	43,430	20,274	2,452	5,955	349,603
0,75/18	27,161	94,219	94,219	75,537	0,465	1,704	41,017	19,148	2,316	5,624	353,470
0,75/19	28,670	99,454	99,454	71,562	0,440	1,614	38,858	18,140	2,194	5,328	358,192
0,75/20 0,75/21	30,179 31,688	104,688 109,922	104,688 109,922	67,984 64,746	0,418	1,533 1,460	36,915 35,157	17,233 16,412	2,084 1,985	5,062 4,821	363,638
0,75/21	33,197	115,157	115,157	61,803	0,398	1,460	33,559	15,666	1,985	4,821	369,705 376,313
0,75/23	34,706	120,391	120,391	59,116	0,364	1,333	32,100	14,985	1,812	4,402	383,386
0,75/23	36,215	120,391	120,391	56,653	0,348	1,278	30,763	14,361	1,737	4,402	390,870
0,75/25	37,724	130,860	130,860	54,387	0,335	1,227	29,532	13,786	1,667	4,050	398,711
0,75/26	39,233	136,094	136,094	52,295	0,322	1,180	28,396	13,256	1,603	3,894	406,870
0,75/27	40,742	141,329	141,329	50,358	0,310	1,136	27,345	12,765	1,544	3,750	415,314
0,75/28	42,251	146,563	146,563	48,560	0,299	1,095	26,368	12,309	1,489	3,616	424,008
0,75/29	43,760	151,798	151,798	46,885	0,288	1,058	25,459	11,885	1,437	3,491	432,931
						0: Т _{ок} =5,	~ _0 00	,			
1					ד-ע	υ. ток-э,	up=v,ov				
0,80/1	1,509	5,583	5,583	1450,318	8,364	30,670	738,305	344,660	41,680	101,240	2584,992
0,80/2	3,018	5,583 11,167	5,583 11,167	1450,318 725,159	8,364 4,182			344,660 172,330	41,680 20,840	101,240 50,620	2584,992 1311,511
0,80/2 0,80/3	3,018 4,527	11,167 16,750	11,167 16,750	725,159 483,439	8,364 4,182 2,788	30,670 15,335 10,223	738,305 369,153 246,102	172,330 114,887	20,840 13,893	50,620 33,747	1311,511 895,466
0,80/2 0,80/3 0,80/4	3,018 4,527 6,036	11,167 16,750 22,333	11,167 16,750 22,333	725,159 483,439 362,579	8,364 4,182 2,788 2,091	30,670 15,335 10,223 7,667	738,305 369,153 246,102 184,576	172,330 114,887 86,165	20,840 13,893 10,420	50,620 33,747 25,310	1311,511 895,466 693,780
0,80/2 0,80/3 0,80/4 0,80/5	3,018 4,527 6,036 7,545	11,167 16,750 22,333 27,917	11,167 16,750 22,333 27,917	725,159 483,439 362,579 290,064	8,364 4,182 2,788 2,091 1,673	30,670 15,335 10,223 7,667 6,134	738,305 369,153 246,102 184,576 147,661	172,330 114,887 86,165 68,932	20,840 13,893 10,420 8,336	50,620 33,747 25,310 20,248	1311,511 895,466 693,780 577,843
0,80/2 0,80/3 0,80/4 0,80/5 0,80/6	3,018 4,527 6,036 7,545 9,054	11,167 16,750 22,333 27,917 33,500	11,167 16,750 22,333 27,917 33,500	725,159 483,439 362,579 290,064 241,720	8,364 4,182 2,788 2,091 1,673 1,394	30,670 15,335 10,223 7,667 6,134 5,112	738,305 369,153 246,102 184,576 147,661 123,051	172,330 114,887 86,165 68,932 57,443	20,840 13,893 10,420 8,336 6,947	50,620 33,747 25,310 20,248 16,873	1311,511 895,466 693,780 577,843 504,774
0,80/2 0,80/3 0,80/4 0,80/5 0,80/6 0,80/7	3,018 4,527 6,036 7,545 9,054 10,563	11,167 16,750 22,333 27,917 33,500 39,084	11,167 16,750 22,333 27,917 33,500 39,084	725,159 483,439 362,579 290,064 241,720 207,188	8,364 4,182 2,788 2,091 1,673 1,394 1,195	30,670 15,335 10,223 7,667 6,134 5,112 4,381	738,305 369,153 246,102 184,576 147,661 123,051 105,472	172,330 114,887 86,165 68,932 57,443 49,237	20,840 13,893 10,420 8,336 6,947 5,954	50,620 33,747 25,310 20,248 16,873 14,463	1311,511 895,466 693,780 577,843 504,774 456,204
0,80/2 0,80/3 0,80/4 0,80/5 0,80/6 0,80/7 0,80/8	3,018 4,527 6,036 7,545 9,054 10,563 12,072	11,167 16,750 22,333 27,917 33,500 39,084 44,667	11,167 16,750 22,333 27,917 33,500 39,084 44,667	725,159 483,439 362,579 290,064 241,720 207,188 181,290	8,364 4,182 2,788 2,091 1,673 1,394 1,195 1,045	30,670 15,335 10,223 7,667 6,134 5,112 4,381 3,834	738,305 369,153 246,102 184,576 147,661 123,051 105,472 92,288	172,330 114,887 86,165 68,932 57,443 49,237 43,083	20,840 13,893 10,420 8,336 6,947 5,954 5,210	50,620 33,747 25,310 20,248 16,873 14,463 12,655	1311,511 895,466 693,780 577,843 504,774 456,204 422,946
0,80/2 0,80/3 0,80/4 0,80/5 0,80/6 0,80/7 0,80/8	3,018 4,527 6,036 7,545 9,054 10,563 12,072 13,581	11,167 16,750 22,333 27,917 33,500 39,084 44,667 50,250	11,167 16,750 22,333 27,917 33,500 39,084 44,667 50,250	725,159 483,439 362,579 290,064 241,720 207,188 181,290 161,146	8,364 4,182 2,788 2,091 1,673 1,394 1,195 1,045 0,929	30,670 15,335 10,223 7,667 6,134 5,112 4,381 3,834 3,408	738,305 369,153 246,102 184,576 147,661 123,051 105,472 92,288 82,034	172,330 114,887 86,165 68,932 57,443 49,237 43,083 38,296	20,840 13,893 10,420 8,336 6,947 5,954 5,210 4,631	50,620 33,747 25,310 20,248 16,873 14,463 12,655 11,249	1311,511 895,466 693,780 577,843 504,774 456,204 422,946 399,894
0,80/2 0,80/3 0,80/4 0,80/5 0,80/6 0,80/7 0,80/8 0,80/9	3,018 4,527 6,036 7,545 9,054 10,563 12,072 13,581 15,090	11,167 16,750 22,333 27,917 33,500 39,084 44,667 50,250 55,834	11,167 16,750 22,333 27,917 33,500 39,084 44,667 50,250 55,834	725,159 483,439 362,579 290,064 241,720 207,188 181,290 161,146 145,032	8,364 4,182 2,788 2,091 1,673 1,394 1,195 1,045 0,929 0,836	30,670 15,335 10,223 7,667 6,134 5,112 4,381 3,834 3,408 3,067	738,305 369,153 246,102 184,576 147,661 123,051 105,472 92,288 82,034 73,831	172,330 114,887 86,165 68,932 57,443 49,237 43,083 38,296 34,466	20,840 13,893 10,420 8,336 6,947 5,954 5,210 4,631 4,168	50,620 33,747 25,310 20,248 16,873 14,463 12,655 11,249 10,124	1311,511 895,466 693,780 577,843 504,774 456,204 422,946 399,894 383,990
0,80/2 0,80/3 0,80/4 0,80/5 0,80/6 0,80/7 0,80/8 0,80/9 0,80/10	3,018 4,527 6,036 7,545 9,054 10,563 12,072 13,581 15,090 16,598	11,167 16,750 22,333 27,917 33,500 39,084 44,667 50,250 55,834 61,417	11,167 16,750 22,333 27,917 33,500 39,084 44,667 50,250 55,834 61,417	725,159 483,439 362,579 290,064 241,720 207,188 181,290 161,146 145,032 131,847	8,364 4,182 2,788 2,091 1,673 1,394 1,195 1,045 0,929 0,836 0,760	30,670 15,335 10,223 7,667 6,134 5,112 4,381 3,834 3,408 3,067 2,788	738,305 369,153 246,102 184,576 147,661 123,051 105,472 92,288 82,034 73,831 67,119	172,330 114,887 86,165 68,932 57,443 49,237 43,083 38,296 34,466 31,333	20,840 13,893 10,420 8,336 6,947 5,954 5,210 4,631 4,168 3,789	50,620 33,747 25,310 20,248 16,873 14,463 12,655 11,249 10,124 9,204	1311,511 895,466 693,780 577,843 504,774 456,204 422,946 399,894 383,990 373,279
0,80/2 0,80/3 0,80/4 0,80/5 0,80/6 0,80/7 0,80/8 0,80/9 0,80/10 0,80/11	3,018 4,527 6,036 7,545 9,054 10,563 12,072 13,581 15,090 16,598 18,107	11,167 16,750 22,333 27,917 33,500 39,084 44,667 50,250 55,834 61,417 67,000	11,167 16,750 22,333 27,917 33,500 39,084 44,667 50,250 55,834 61,417 67,000	725,159 483,439 362,579 290,064 241,720 207,188 181,290 161,146 145,032 131,847 120,860	8,364 4,182 2,788 2,091 1,673 1,394 1,195 1,045 0,929 0,836 0,760 0,697	30,670 15,335 10,223 7,667 6,134 5,112 4,381 3,834 3,408 3,067 2,788 2,556	738,305 369,153 246,102 184,576 147,661 123,051 105,472 92,288 82,034 73,831 67,119 61,525	172,330 114,887 86,165 68,932 57,443 49,237 43,083 38,296 34,466 31,333 28,722	20,840 13,893 10,420 8,336 6,947 5,954 5,210 4,631 4,168 3,789 3,473	50,620 33,747 25,310 20,248 16,873 14,463 12,655 11,249 10,124 9,204 8,437	1311,511 895,466 693,780 577,843 504,774 456,204 422,946 399,894 383,990 373,279 366,467
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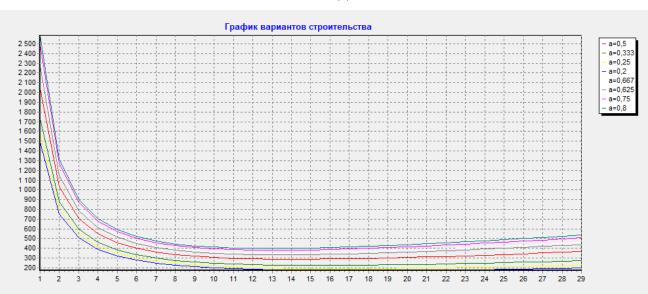
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