

FINANSIJSKA MATEMATIKA

- skraćena verzija -

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1 Nerizična ulaganja

1.1 Prost obračun kamate

- G - početni depozit
- t - vreme izraženo u godinama
- $V(t)$ - vrednost investicije u vremenu t
- p - kamatna stopa (na godišnjem nivou)

Prost obračun kamate:

$$V(t) = (1 + tp) \cdot G$$

1.1.1 Menica

Menica je hartija od vrednosti, odnosno pisani dokument, izdat u strogo zakonskoj formi, u kome se izdavalac (trasant) obavezuje da će u roku isplatiti određeni iznos, ili pak poziva drugo lice (trasata) da izvrši tu isplatu.

Sa stanovišta finansijske matematike, bitno je pronaći način trgovine menicama *pre* njihovog dospeća. Eskontovati menicu znači kupiti je, a diskontovati menicu znači prodati je pre njegovog roka dospeća.

- V - *nominalna vrednost* menice - vrednost na koju glasi menica

1 Nerizična ulaganja

vrednost m	kapitalisanje
$m = 365$	dnevno
$m = 12$	mesečno
$m = 4$	tromesečno (kvartalno)
$m = 2$	polugodišnje (semestralno)
$m = 1$	godišnje

- V_d - *diskontovana vrednost* - vrednost u nekom momentu pre dospeća
- d - broj dana između datuma diskontovanja i datuma dospeća
- p - kamatna stopa (na godišnjem nivou)

$$V = V_d \cdot \left(1 + \frac{d}{365}p\right)$$

1.2 Složen obračun kamate

- G - početni depozit
- t - vreme izraženo u godinama
- $V(t)$ - vrednost investicije u vremenu t
- p - kamatna stopa (na godišnjem nivou)
- m - broj kapitalisanja godišnje

$$V(t) = G \cdot \left(1 + \frac{p}{m}\right)^{mt}$$

1.2.1 Finansijske tablice

Prva finansijska tablica

Nalaženje krajnje vrednosti kapitala $V(t)$:

$$V(t) = G \cdot I_{p/m}^{mt}$$

Druga finansijska tablica

Izračunavanje početnog uloga:

$$G = V(t) \cdot I_{p/m}^{mt}$$

Periodična plaćanja

Anuitet podrazumeva niz konačno mnogo plaćanja (finansijskih transakcija) istog iznosa u jednakim vremenskim intervalima. To mogu biti:

- periodična ulaganja u banku, u kom slučaju govorimo o *računu uloga*,
- periodične isplate od banke, u kom slučaju govorimo o *računu rente* ili
- periodična plaćanja anuiteta za podignut kredit (zajam) od banke, u kom slučaju možemo napraviti plan *amortizacije kredita*.

Periodična ulaganja i isplate mogu biti:

- *anticipativna* - početkom svakog obračunskog perioda ili
- *dekurzivna* - krajem svakog obračunskog perioda

Treća finansijska tablica

Izračunavanje iznosa $W(t)$ kojim ćemo raspolagati nakon isteka t godina, odnosno, mt obračunskih perioda, ako početkom ili krajem svakog obračunskog perioda u banku polažemo isti iznos U , koji zovemo *ulog*:

- anticipativno

$$W^A(t) = U \cdot III_{p/m}^{mt}$$

- dekurzivno

$$W^D(t) = U \cdot (1 + III_{p/m}^{mt-1})$$

Četvrta finansijska tablica

Izračunavanje sume $M(t)$, koju zovemo *miza*, koju treba uložiti u banku da bi se u narednih mt jednakih vremenskih intervala podizao unapred određen, uvek isti, iznos rente R , tokom narednih t godina, odnosno, tokom mt obračunskih perioda:

- anticipativno

$$M^A(t) = R \cdot (1 + IV_{p/m}^{mt-1})$$

- dekurzivno

$$M^D(t) = R \cdot IV_{p/m}^{mt}$$

2 Rešeni zadaci

U zadacima koji slede jedinice mere ćemo pisati samo na kraju rešenja ili ćemo ih, čak, izostaviti. To ne bi trebalo da izazove zabunu kod čitalaca.

Takođe, ponovo naglašavamo da je kamatna stopa p uvek data na *godišnjem* nivou.

2.1 Prost kamatni račun

Zadatak 1 U banku je uloženo 1000 KM na godinu dana. Ako je godišnja kamatna stopa 5.5%, kolika je ukamaćena vrednost?

Rešenje: Ukamaćena vrednost računa se po formuli

$$V(t) = G \cdot (1 + pt)$$

U ovom zadatku dato je:

$$G = 1000, \quad p = 5.5\% = 0.055, \quad t = 1.$$

Prema navedenoj formuli izračunavamo ukamaćenu vrednost:

$$V(1) = 1000 \cdot (1 + 0.055 \cdot 1) = 1055$$

Dakle, ukamaćena vrednost iznosi 1055 KM.

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2 Rešeni zadaci

Zadatak 2 Koji kapital donosi 500 KM kamate za pola godine po godišnjoj stopi od 4%?

Rešenje: Kamata predstavlja razliku između ukamaćene vrednosti i glavnice, tj.

$$\text{kamata} = V(t) - G = G \cdot p \cdot t$$

Dakle, $G = ?$, $V(t) - G = 500$, $p = 0.04$, $t = \frac{1}{2}$, pa G računamo iz jednačine

$$500 = G \cdot 0.04 \cdot \frac{1}{2} \iff \\ \iff 500 = G \cdot 0.02 \iff G = \frac{500}{0.02} \iff G = 25000$$

Dakle, kapital od 25000 KM donosi 500 KM kamate za pola godine po godišnjoj stopi od 4%.

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Zadatak 3 Dug od 540 KM koji je dospo 6. januara ove godine izmiren je 12. aprila sa 555 KM. Sa kojom kamatnom stopom je računato?

Rešenje: Između 6. januara i 12. aprila ima

mesec	u mesecu dana	ukupno proteklo dana
januar	25	25
februar	28	25+28=53
mart	31	53+31=84
april	12	84+12=96

96 dana, pa je u ovom zadatku:

$$p = ?, \quad G = 540, \quad t = \frac{96}{365}, \quad V(t) = 555.$$

2 Rešeni zadaci

Traženu vrednost za p dobijamo rešavajući jednačinu:

$$\begin{aligned}V(t) = G \cdot (1 + pt) &\iff 555 = 540 \cdot \left(1 + p \cdot \frac{96}{365}\right) \iff \\&\iff 555 = 540 \cdot (1 + 0.26301 \cdot p) \iff \\&\iff (1 + 0.26301 \cdot p) = \frac{555}{540} \iff \\&\iff 1 + 0.26301 \cdot p = 1.02778 \iff 0.26301 \cdot p = 0.02778 \\&\iff p = \frac{0.02778}{0.26301} = 0.1056 = 10.56\%\end{aligned}$$

Dakle, računato je sa kamatnom stopom od 10.56%.

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Zadatak 4 Ognjen je pozajmio 8500 KM 17. maja prošle godine. Kog dana je vratio dug ako mu je na ime kamate po kamatnoj stopi 11% obračunato 700 KM?

Rešenje: U ovom zadatku je

$$t = ?, \quad G = 8500, \quad p = 11\% = 0.11, \quad V(t) = 8500 + 700 = 9200 .$$

$$\begin{aligned}V(t) = G \cdot (1 + pt) &\iff 9200 = 8500 \cdot (1 + 0.11 \cdot t) \iff \\&\iff 1 + 0.11 \cdot t = \frac{9200}{8500} = 1.08235 \iff 0.11 \cdot t = 0.08235 \\&\iff t = \frac{0.08235}{0.11} = 0.74864\end{aligned}$$

Dakle, vreme (izraženo u godinama) za koje se kamatio dug jeste 0.74864 godina, odnosno $0.74864 \cdot 365 = 273$ dana. Pogledajmo koji je to 273-ći dan posle 17. maja prošle godine:

2 Rešeni zadaci

mesec	proteklo dana	ostalo još dana
maj	14	273-14=259
jun	30	259-30=229
jul	31	229-31=198
avgust	31	198-31=167
septembar	30	167-30=137
oktobar	31	137-31=106
novembar	30	106-30=76
decembar	31	76-31=45
januar	31	45-31=14
februar	14	14-14=0

Prema tome, Ognjen je vratio dug na Dan zaljubljenih, 14. februara ove godine.

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Zadatak 5 Sa kojom kamatnom stopom kapital od 100000 KM za devet meseci donese upola manje kamate nego što donese kapital od 250000 KM za isti period sa kamatnom stopom od 8%.

Rešenje: Kapital od 100000 KM za 9 meseci sa kamatnom stopom p_1 donosi kamatu

$$G_1 \cdot p_1 \cdot t = 100000 \cdot p_1 \cdot \frac{9}{12} = 75000p_1$$

od $75000p_1$ KM, a kapital od 250000 KM za isti period sa kamatnom stopom 8% donosi kamatu

$$G_2 \cdot p_2 \cdot t = 250000 \cdot 0.08 \cdot \frac{9}{12} = 15000$$

odnosno 15000 KM. Po uslovu zadatka mora biti

$$75000p_1 = \frac{1}{2} \cdot 15000 \iff 75000p_1 = 7500 \iff$$

2 Rešeni zadaci

$$\Leftrightarrow p_1 = \frac{7500}{75000} = 0.10 = 10\%$$

Dakle, kapital od 100000 KM za devet meseci sa kamatnom stopom 10% donese upola manje kamate nego što donese kapital od 250000 KM za isti period sa kamatnom stopom od 8%.

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Zadatak 6 Izračunati ukupan interes koji donose sledeći kapitali:

- 10000 KM od 3. marta do 7. avgusta ove godine,
- 20000 KM od 1. maja do 7. avgusta ove godine,
- 50000 KM od 17. maja do 7. avgusta ove godine,

ako su svi ugovoreni sa kamatnom stopom od 7%.

Rešenje: Ukupan interes sastoji se iz tri dela:

- $G_1 \cdot p \cdot t_1$
- $G_2 \cdot p \cdot t_2$
- $G_3 \cdot p \cdot t_3$

pri čemu je

$$G_1 = 10000, \quad G_2 = 20000, \quad G_3 = 50000,$$

$$t_1 = \frac{157}{365}, \quad t_2 = \frac{98}{365}, \quad t_3 = \frac{82}{365}.$$

Dakle, ukupan interest iznosi

$$\begin{aligned} & G_1 \cdot p \cdot t_1 + G_2 \cdot p \cdot t_2 + G_3 \cdot p \cdot t_3 = \\ & = 10000 \cdot 0.07 \cdot \frac{157}{365} + 20000 \cdot 0.07 \cdot \frac{98}{365} + 50000 \cdot 0.07 \cdot \frac{82}{365} = \end{aligned}$$

2 Rešeni zadaci

$$= 0.07 \cdot 10000 \cdot \frac{1}{365} (157 + 2 \cdot 98 + 5 \cdot 82) = 1463.29$$

1463.29 KM.

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Zadatak 7 Šestina kapitala oročena je u banci na osam meseci sa kamatnom stopom 4%, petina na godinu dana sa kamatnom stopom 6% i ostatak na tri godine sa kamatnom stopom 8%. Na taj način dobijeno je ukupno 15000 KM interesa (kamate). Odrediti početni kapital.

Rešenje: Označimo nepoznati početni kapital sa G . Dobijena kamata od 15000 KM sastoji se iz tri dela:

$$15000 = \frac{G}{6} \cdot 0.04 \cdot \frac{8}{12} + \frac{G}{5} \cdot 0.06 \cdot 1 + (G - \frac{G}{6} - \frac{G}{5}) \cdot 0.08 \cdot 3.$$

(Podsetimo se da vreme (t) uvek izražavamo u godinama, na primer, ako posmatramo period od 8 meseci, izražavamo ga kao razlomak $\frac{8}{12}$.) Iz gornje jednačine dobijamo:

$$15000 = 0.0044444 \cdot G + 0.012 \cdot G + 0.152 \cdot G = 0.16844 \cdot G$$

$$\iff G = \frac{15000}{0.16844444} = 89050.13$$

Dakle, početni kapital bio je 89050.13 KM.

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Zadatak 8 Odrediti kamatnu stopu po kojoj kapital od 50000 KM za sto dana naraste na 55000 KM.

Rešenje: Nepoznata veličina je p , a poznate su:

$$G = 50000, \quad t = \frac{100}{365}, \quad V(t) = 55000.$$

2 Rešeni zadaci

Iz jednačine

$$V(t) = G \cdot (1 + pt) \iff 55000 = 50000 \cdot \left(1 + p \cdot \frac{100}{365}\right)$$

računamo

$$1 + p \frac{100}{365} = \frac{55000}{50000} = \frac{11}{10} = 1.1 \iff p \frac{100}{365} = 0.1 \iff \\ \iff p = 0.365 = 36.5\%$$

Dakle, tražena kamatna stopa je 36.5%.

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Zadatak 9 Filip i Tamara imaju ukupno 12000 KM. Filip je svoj novac oročio u banci na godinu dana sa kamatnom stopom 5%, a Tamara na dve godine sa kamatnom stopom 7%. Ukupno su zaradili 870 KM. Koliko je novaca imao Filip, a koliko Tamara, pre ulaganja u banku?

Rešenje: Ako pretpostavimo da je Filip imao G KM, tada je Tamara imala $(12000 - G)$ KM, pre ulaganja u banku. Filip je zaradio $G \cdot 0.05$ KM, a Tamara $(12000 - G) \cdot 0.07 \cdot 2$ KM. Ukupno je to 870 KM. Dakle,

$$G \cdot 0.05 + (12000 - G) \cdot 0.07 \cdot 2 = 870 \iff \\ \iff 0.05G + 1680 - 0.14G = 870 \iff \\ \iff 0.09G = 810 \iff G = \frac{810}{0.09} = 9000$$

Prema tome, Filip je imao 9000 KM, a Tamara 3000 KM pre ulaganja u banku.

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Zadatak 10 Koliko godina je potrebno da bi se kapital udvostručio, uz kamatnu stopu od 8% godišnje?

2 Rešeni zadaci

Rešenje: Treba odrediti t ako je

$$p = 0.08, \quad V(t) = 2G.$$

$$V(t) = G \cdot (1 + pt) \iff 2G = G \cdot (1 + 0.08t) \iff$$

$$\iff 2 = (1 + 0.08t) \iff 1 = 0.08t \iff t = \frac{1}{0.08} = 12.5$$

Dakle, potrebno je dvanaest i po godina da bi se kapital udvostručio, uz kamatnu stopu od 8% godišnje.

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2.1.1 Diskontovanje menica

Zadatak 11 Odrediti nominalnu vrednost menice koja dospeva 25. avgusta ako je njena diskontovana vrednost na dan 12. maja bila 2000 KM. Diskontna stopa je 15%.

Rešenje: Ako sa V_d označimo diskontovanu vrednost menice, sa V njenu nominalnu vrednost, sa p kamatnu stopu i sa d broj dana od datuma diskontovanja do datuma dospeća, imamo:

$$V = ?, \quad V_d = 2000, \quad p = 15\% = 0.15, \quad d = 105,$$

pa je tražena nominalna vrednost menice:

$$V = V_d \cdot \left(1 + p \cdot \frac{d}{365}\right) = 2000 \cdot \left(1 + 0.15 \cdot \frac{105}{365}\right) = 2086.30$$

Dakle, nominalna vrednost menice je 2086.30 KM.

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Zadatak 12 Menica čija je nominalna vrednost 5000 KM dospeva 30. avgusta. Izvršiti obračun diskonta ove menice na dan 10. april iste godine, ako je diskontna stopa 10%.

2 Rešeni zadaci

Rešenje:

$$V_d = ?, \quad V = 5000, \quad p = 0.10, \quad d = 142.$$

$$5000 = V_d \cdot \left(1 + 0.10 \cdot \frac{142}{365}\right)$$

$$V_d = \frac{5000}{1.038904109} = 4812.76$$

Diskontovana vrednost ove menice 10. aprila iznosi 4812.76 KM.

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Zadatak 13 Kada je diskontovana menica od 100000 KM koja dopeva 17. oktobra ove godine, ako je na ime 14% diskonta obračunato 15000 KM kamate?

Rešenje: Tražimo broj dana d , na osnovu sledećih podataka:

$$V = 100000, \quad V - V_d = 15000, \quad p = 0.14 .$$

Izračunajmo najpre V_d :

$$V_d = V - 15000 = 100000 - 15000 = 85000 ,$$

a zatim i d :

$$V = V_d \cdot \left(1 + p \cdot \frac{d}{365}\right) \iff 100000 = 85000 \cdot \left(1 + 0.14 \cdot \frac{d}{365}\right)$$

$$\iff \left(1 + 0.14 \cdot \frac{d}{365}\right) = \frac{100000}{85000} = 1.17647059 \iff$$

$$\iff 0.14 \cdot \frac{d}{365} = 0.17647059 \iff$$

$$\iff \frac{d}{365} = \frac{0.17647059}{0.14} = 1.2605042 \iff$$

2 Rešeni zadaci

$$\Leftrightarrow d = 365 \cdot 1.2605042 \approx 460.$$

Pošto od 1. januara do 17. oktobra ove godine ima 290 dana, zaključujemo da je menica diskontovana $460 - 290 = 170$ dana pre 1. januara ove godine, dakle, 14. jula prošle godine.

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Zadatak 14 Sa kojom diskontnom stopom je diskontovana menica od 30000 KM koja dospeva 12. decembra, ako je na dan diskontovanja 29. juna isplaćeno 27000 KM?

Rešenje: Sada je

$$p = ?, \quad V = 30000, \quad V_d = 27000, \quad d = 166.$$

$$V = V_d \cdot \left(1 + p \cdot \frac{d}{365}\right) \Leftrightarrow 30000 = 27000 \cdot \left(1 + p \cdot \frac{166}{365}\right)$$

$$\Leftrightarrow \left(1 + p \cdot \frac{166}{365}\right) = \frac{30000}{27000} = 1.11111111 \Leftrightarrow$$

$$\Leftrightarrow p \cdot \frac{166}{365} = 0.11111111 \Leftrightarrow$$

$$\Leftrightarrow p = 0.11111111 \cdot \frac{365}{166} = 0.2443 = 24.43\%$$

Diskontovanje je izvršeno sa kamatnom stopom od 24.43%.

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Zadatak 15 Kada dospeva menica od 12000 KM ako je 10. februara ove godine njena vrednost bila 9500 KM, uz diskontnu stopu od 20%?

Rešenje: U ovom zadatku je:

$$d = ?, \quad V = 12000, \quad V_d = 9500, \quad p = 0.2.$$

$$V = V_d \cdot \left(1 + p \cdot \frac{d}{365}\right) \Leftrightarrow 12000 = 9500 \cdot \left(1 + 0.2 \cdot \frac{d}{365}\right) \Leftrightarrow$$

2 Rešeni zadaci

$$\Leftrightarrow \left(1 + 0.2 \cdot \frac{d}{365}\right) = \frac{12000}{9500} = 1.26315789 \Leftrightarrow$$

$$\Leftrightarrow 0.2 \cdot \frac{d}{365} = 0.26315789 \Leftrightarrow$$

$$\Leftrightarrow d = 0.26315789 \cdot \frac{365}{0.2} \approx 480.$$

Od 10. februara do kraja ove godine ima 324 dana, pa će menica dospeti $480 - 324 = 156$ dana posle 1. januara sledeće godine, dakle, 5. juna sledeće godine.

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Zadatak 16 Menica od 240 KM čije je dospeće 6. septembra ove godine zamenjuje se novom menicom koja dospeva 19. decembra ove godine. Na koliko KM treba da glasi nova menica ako je diskontna stopa 25%?

Rešenje: Nominalna vrednost prve menice (240 KM na dan 6. septembra) predstavlja diskontovanu vrednost nove menice, koja dospeva 19. decembra i čija je nominalna vrednost nepoznata. Dakle, podaci o novoj menici su:

$$V = ?, \quad V_d = 240, \quad p = 0.25, \quad d = 104 .$$

$$V = V_d \cdot \left(1 + p \cdot \frac{d}{365}\right) = 240 \cdot \left(1 + 0.25 \cdot \frac{104}{365}\right) = 257.10$$

Nova menica treba da glasi na 257.10 KM.

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Zadatak 17 Dve menice:

- jednu od 10000 KM koja dospeva 21. januara 2015. godine i
- drugu od 20000 koja dospeva 6. maja iste godine

2 Rešeni zadaci

treba zameniti jednom koja dospeva 19. decembra 2015. Na koliko treba da glasi nova menica ako je diskont 20%?

Rešenje: Vrednosti vezane za prvu menicu indeksiramo sa 1, a vrednosti vezane za drugu menicu sa 2:

$$V_1 = ?, \quad V_d^1 = 10000, \quad p = 0.2 \quad d_1 = 332 \quad (\text{od } 21.1. \text{ do } 19.12.)$$

$$V_2 = ?, \quad V_d^2 = 20000, \quad p = 0.2 \quad d_2 = 227 \quad (\text{od } 6.5 \text{ do } 19.12.)$$

Izračunajmo V_1 i V_2 :

$$V_1 = V_d^1 \cdot \left(1 + p \cdot \frac{d_1}{365}\right) = 10000 \cdot \left(1 + 0.2 \cdot \frac{332}{365}\right) = 11819.18$$

$$V_2 = V_d^2 \cdot \left(1 + p \cdot \frac{d_2}{365}\right) = 20000 \cdot \left(1 + 0.20 \cdot \frac{227}{365}\right) = 22487.67$$

Dakle, nova menica treba da glasi na

$$V_1 + V_2 = 11819.18 + 22487.67 = 34306.85 \text{ KM.}$$

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Zadatak 18 *Preduzeće treba da plati dug od 1000000 KM 3. novembra ove godine. Umesto toga, dalo je dve menice, i to prvu od 500000 KM koja dospeva 15. juna sledeće godine i drugu od 600000 KM. Kada dospeva druga menica ako je diskontna stopa 29%?*

Rešenje: Dug od 1000000 KM predstavlja zbir diskontovanih vrednosti obe menice. (Nominalne vrednosti tih menica su, redom, 500000 KM i 600000 KM.) Diskontovana vrednost V_d^1 (prve) menice od 500000 KM, koja dospeva 15. juna naredne godine, na dan 3. novembra ove godine izračunava se iz sledećih podataka:

$$V_1 = 500000, \quad p = 0.29 \quad d_1 = 224 \quad (\text{od } 3.11.2014. \text{ do } 15.6.2015.)$$

2 Rešeni zadaci

$$V_1 = V_d^1 \cdot \left(1 + p \cdot \frac{d_1}{365}\right) \iff 500000 = V_d^1 \cdot \left(1 + 0.29 \cdot \frac{224}{365}\right) \iff \\ \iff V_d^1 = 424458.09$$

Prema tome, diskontovana vrednost (druge) menice od 600000 KM na dan 3. novembra ove godine iznosi:

$$V_d^2 = 1000000 - V_d^1 = 1000000 - 424458.09 = 575541.91 \text{ KM}$$

Datum njenog dospeća izračunaćemo tako što ćemo najpre odrediti d_2 :

$$d_2 = ?, V_2 = 600000, V_d^2 = 575541.91, p = 0.29$$

$$V_2 = V_d^2 \cdot \left(1 + p \cdot \frac{d_2}{365}\right) \iff$$

$$\iff 600000 = 575541.91 \cdot \left(1 + 0.29 \cdot \frac{d_2}{365}\right) \iff d_2 = 53$$

a zatim izračunati koji je pedeset treći dan posle 3. novembra ove godine. To je 26. decembar ove godine. Dakle, druga menica dospeva 26. decembra 2014. godine.

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2.2 Složen kamatni račun

Zadatak 19 U banku je uloženo 15000 KM. Petnaest godina nije podizana kamata. Ako je kapitalisanje godišnje sa kamatnom stopom od 5.5%, koliko je stanje tog uloga nakon 15 godina?

Rešenje: Koristimo prvu finansijsku tablicu i formulu

$$V(t) = G \cdot I_{p/m}^{mt}$$

2 Rešeni zadaci

sa datim podacima

$$G = 15000, \quad t = 15, \quad m = 1, \quad p = 5.5\% = 0.055.$$

$$V(15) = G \cdot I_{p/m}^{mt} = G \cdot I_{0.055}^{15} = 15000 \cdot 2.232476492 = 33487.15$$

Ako petnaest godina nije podizana kamata, uz godišnje kapitalisanje i kamatnu stopu od 5.5%, ulog od 15000 KM naraste na 33487.15 KM.

.....
Zadatak 20 U banku je uloženo 15000 KM. Petnaest godina nije podizana kamata. Ako je kapitalisanje polugodišnje sa (godišnjom) kamatnom stopom od 5.5%, koliko je stanje tog uloga nakon 15 godina?

Rešenje: Primitimo da je ovo ulaganje skoro isto kao u prethodnom primeru, samo je kapitalisanje polugodišnje.

$$V(t) = ?, \quad G = 15000, \quad t = 15, \quad m = 2, \quad p = 0.055$$

$$V(15) = G \cdot I_{p/m}^{mt} = G \cdot I_{0.0275}^{30} = 15000 \cdot 2.256601728 = 33849.03$$

Dakle, ako petnaest godina nije podizana kamata, uz polugodišnje kapitalisanje i kamatnu stopu od 5.5%, ulog od 15000 KM naraste na 33849.03 KM.

.....
Zadatak 21 Uloženo je 6000 KM na deset godina uz godišnju kamatu od 9% i tromesečno kapitalisanje. Koliko iznosi uvećan kapital?

Rešenje: Sada je

$$V(t) = ?, \quad G = 6000, \quad t = 10, \quad m = 4, \quad p = 0.09$$

$$V(10) = G \cdot I_{p/m}^{mt} = G \cdot I_{0.0225}^{40} = 6000 \cdot 2.435188965 = 146111.34$$

Dakle, uvećan kapital iznosi 146111.34 KM.

.....

2 Rešeni zadaci

Zadatak 22 Aleksandra ima 20 godina. Na dan njenog rođenja roditelji su uložili u banku 5000 KM, a na njen osamnaesti rođendan još 3000 KM. Kojom sumom Aleksandra raspolaže danas ako banka kapitališe godišnje, sa kamatnom stopom od 7%?

Rešenje: Suma kojom Aleksandra raspolaže danas sastoji se iz dva dela, $V_1(t)$ i $V_2(t)$, pri čemu je:

$$V_1(t_1) = ?, \quad G_1 = 5000, \quad t_1 = 20, \quad m = 1, \quad p = 0.07$$

$$V_2(t_2) = ?, \quad G_2 = 3000, \quad t_2 = 2, \quad m = 1, \quad p = 0.07$$

Računamo

$$\begin{aligned} V_1(20) + V_2(2) &= 5000 \cdot I_{0.07}^{20} + 3000 \cdot I_{0.07}^2 = \\ &= 5000 \cdot 3.869684462 + 3000 \cdot 1.1449000000 = 22783.12 \end{aligned}$$

Dakle, na svoj 20-ti rođendan, Aleksandra ima 22783.12 KM.

.....
Zadatak 23 Na koliko će porasti kapital od 10000 KM, ako je uložen za prvih pet godina uz kamatnu stopu 4%, a sledećih deset godina sa kamatnom stopom 5%? Kapitalisanje je polugodišnje.

Rešenje: Izračunajmo, najpre, na koliko će porasti kapital od 10000 KM za prvih pet godina uz kamatnu stopu 4%:

$$V_1(t) = ?, \quad G_1 = 10000, \quad t_1 = 5, \quad m = 2, \quad p_1 = 0.04$$

$$V_1(5) = 10000 \cdot I_{0.02}^{10} = 10000 \cdot 1.218994420 = 12189.94$$

Nakon 5 godina menjaju se uslovi kapitalisanja.

Suma od 12189.94 KM sada je početni kapital za novi period od 10 godina:

$$V_2(t) = ?, \quad G_2 (= V_1(5)) = 12189.94, \quad t_2 = 10, \quad m = 2, \quad p_2 = 0.05$$

2 Rešeni zadaci

Dakle, konačna vrednost uloženog kapitala (po isteku svih 15 godina) biće:

$$V_2(10) = 12189.94 \cdot I_{0.025}^{20} = 12189.94 \cdot 1.638616440 = 19974.64$$

odnosno 19974.64 KM.

.....
Zadatak 24 U banku je uloženo 550 KM. Nakon osam godina podignuto je 600 KM. Kojom sumom se raspolaže 15 godina nakon ulaganja, ako banka obračunava kamatnu stopu od 3% i kapitališe polugodišnje?

Rešenje: Ako je u banku uloženo 550 KM pod navedenim uslovima kapitalisanja (kamatna stopa 3% i polugodišnje kapitalisanje), nakon 8 godina raspolaže se sumom koju izračunavamo na sledeći način:

$$V_1(t) = ?, \quad G_1 = 550, \quad t_1 = 8, \quad m = 2, \quad p = 0.03$$

$$V_1(8) = 550 \cdot I_{0.015}^{16} = 550 \cdot 1.268985548 = 697.94$$

Međutim, kako je posle 8 godina podignuto 600 KM, kapital koji se od tog momenta vodi kao početni kapital za naredni period od preostalih 7 godina iznosi samo $697.94 - 600 = 97.94$ KM. Po isteku narednih 7 godina, konačna vrednost uloženog kapitala biće:

$$V_2(t) = ?, \quad G_2 = 97.94, \quad t_2 = 7, \quad m = 2, \quad p = 0.03$$

$$V_2(7) = 97.94 \cdot I_{0.015}^{14} = 97.94 \cdot 1.231755731 = 120.64$$

odnosno 120.64 KM.

.....

2 Rešeni zadaci

Zadatak 25 Na koliko će porasti ulog od 30000 KM za 7 godina, 7 meseci i 7 dana sa kamatnom stopom 5%, pri tromesečnom kapitalisanju?

Rešenje: Najpre ćemo izračunati na koliko će porasti ulog od 30000 KM za 7 godina i 6 meseci, sa kamatnom stopom 5%, pri tromesečnom kapitalisanju:

$$V(t) = ?, \quad G = 30000, \quad t = 7.5, \quad m = 4, \quad p = 0.05$$

$$V(7.5) = 30000 \cdot I_{0.0125}^{30} = 30000 \cdot 1.451613360 = 43548.40$$

Međutim, novac se kamati još mesec i 7 dana, tj. 37 dana, što je manje od jednog celog perioda kapitalisanja (tromesečnog). U ovakvim slučajevima, obračun (te dodatne) kamate vrši se prostim kamatnim računom. Dakle, za preostalih 37 dana iznos od 43548.40 KM porašće na

$$43548.40 \cdot \left(1 + 0.05 \cdot \frac{37}{365}\right) = 43769.12 \text{ KM.}$$

.....

Zadatak 26 Novi Sad ima 400000 stanovnika. Ako bi godišnji priraštaj iznosio 3%, koliko bi ovaj grad imao stanovnika za 20 godina?

Rešenje: Problem priraštaja stanovništva može se posmatrati kao problem "kamaćenja". "Početni kapital" je 400000 stanovnika, "kamatna stopa" je 3%, a period koji posmatramo je 20 godina:

$$V(t) = ?, \quad G = 400000, \quad t = 20, \quad m = 1, \quad p = 0.03$$

Dakle

$$V(20) = 400000 \cdot I_{0.03}^{20} = 400000 \cdot 1.806111235 = 722444 .$$

2 Rešeni zadaci

Zaključujemo da bi pod datim uslovima Novi Sad za 20 godina imao 722444 stanovnika.

.....

Zadatak 27 Nespretni preduzetnik je pozajmio 5000 KM uz kamatnu stopu 6.5% i godišnje kapitalisanje, a zatim taj novac uložio uz kamatnu stopu 6% i mesečno kapitalisanje. Koliko je novaca izgubio u ovoj avanturi, ako je ona trajala 10 godina?

Rešenje: Posmatramo dva potpuno odvojena procesa kapitalisanja:

- Prvi, u kome preduzetnik pozajmljuje od nekoga:

$$V_1(t) = ?, \quad G = 5000, \quad t = 10, \quad m_1 = 1, \quad p_1 = 0.065$$

$$V_1(10) = 5000 \cdot I_{0.065}^{10} = 5000 \cdot 1.877137465 = 9385.69$$

- i drugi, u kome preduzetnik pozajmljuje nekome:

$$V_2(t) = ?, \quad G = 5000, \quad t = 10, \quad m_2 = 12, \quad p_2 = 0.06$$

$$\begin{aligned} V_2(10) &= 5000 \cdot I_{0.005}^{120} = 5000 \cdot (I_{0.005}^{30})^4 = \\ &= 5000 \cdot (1.161400083)^4 = 9096.98 \end{aligned}$$

Prema tome, za 10 godina preduzetnik će biti na gubitku od

$$9385.69 - 9096.98 = 288.71 \text{ KM} .$$

.....

2.2.1 Periodična plaćanja

Zadatak 28 *Koliko treba ulagati svakih pola godine, u periodu od deset godina, da bi se šest meseci posle poslednjeg uloga raspolagalo sumom od 15000 KM, ako je kamatna stopa 8%, a kapitalisanje polugodišnje?*

Rešenje: Pošto želimo da sumom od 15000 KM raspolažemo šest meseci posle poslednjeg uloga, zaključujemo da je reč o ulaganju na početku svakog obračunskog perioda, tj. o antici-pativnom računu uloga. Nepoznat ulog, dakle:

$$U = ?, \quad W^A = 15000 \quad p = 0.08, \quad t = 10, \quad m = 2,$$

pa nepoznati ulog izračunavamo iz jednačine:

$$W^A(10) = U \cdot III_{p/m}^{mt} \iff 15000 = U \cdot III_{0.04}^{20} \iff$$

$$\iff 15000 = U \cdot 30.96920172 \iff U = 484.35$$

Dakle, svakih pola godine, u periodu od deset godina, treba ulagati po 484.35 KM, da bi se šest meseci posle poslednjeg uloga raspolagalo sumom od 15000 KM, ako je kamatna stopa 8%, a kapitalisanje polugodišnje.

.....

Zadatak 29 *Po koliko KM treba ulagati krajem svakog polugodišta, pri polugodišnjem kapitalisanju sa kamatnom stopom 6%, da bi se nakon 20 godina imalo 50000 KM?*

Rešenje: Ulaganje se vrši krajem svakog obračunskog perioda, pa je u pitanju dekurzivni račun uloga:

$$U = ?, \quad W^D(t) = 50000 \quad p = 0.06, \quad t = 20, \quad m = 2$$

$$W^D(20) = U \cdot (1 + III_{p/m}^{mt-1}) \iff 50000 = U \cdot (1 + III_{0.03}^{39})$$

2 Rešeni zadaci

$$\iff 50000 = U \cdot 75.40125973 \iff U = 663.12$$

Krajem svakog polugodišta, pri polugodišnjem kapitalisanju sa kamatnom stopom 6%, treba ulagati po 663.12 KM, da bi se nakon 20 godina raspolagalo sa 50000 KM.

.....

Zadatak 30 Sa kojom kamatnom stopom je ulagano po 1000 KM krajem svakog kvartala u toku deset godina, ako se nakon poslednjeg uloga raspolaže sa 54000 KM, a kapitalisanje je kvartalno?

Rešenje: U pitanju je dekurzivni račun uloga, a ovog puta je nepoznata kamatna stopa p :

$$p = ?, \quad U = 10000, \quad W^D(t) = 54000, \quad t = 10, \quad m = 4$$

$$W^D(10) = U \cdot (1 + III_{p/m}^{mt-1}) \iff 54000 = 1000 \cdot (1 + III_{p/4}^{39})$$

$$\iff 54 = 1 + III_{p/4}^{39} \iff 53 = III_{p/4}^{39}$$

Vrednost za $p/4$ čitamo iz treće finansijske tablice na sledeći način: u vrsti "39" (za $t = 39$) tražimo broj najbliži broju 53. To je broj

$$53.267893911$$

On se nalazi u koloni "0.015" i to je vrednost za $p/4$. Dakle,

$$\frac{p}{4} \approx 0.015 \iff p \approx 0.06 = 6\%$$

odnosno, ulagano je sa kamatnom stopom od (približno) 6%.

.....

Zadatak 31 Danas je uloženo 700 KM u banku koja kapitališe godišnje sa kamatnom stopom 10%. U narednih pet godina biće ulagano po 1000 KM krajem svake godine. Koliko će biti ukupno stanje svih uloga nakon osam godina?

2 Rešeni zadaci

Rešenje: Pogledajmo, najpre, kakvo je stanje današnjeg uloga od 700 KM nakon 8 godina:

$$V_1(t) = ?, \quad G = 700, \quad t = 8, \quad m = 1, \quad p = 0.1$$

$$V_1(8) = G \cdot I_p^t = 700 \cdot I_{0.1}^8 = 700 \cdot 2.143588810 = 1500.51$$

Dakle, današnji ulog od 700 KM nakon 8 godina narašće na 1500.51 KM. Što se tiče uloga od po 1000 KM krajem svake godine u narednih 5 godina:

$$W^D(t) = ?, \quad U = 1000, \quad p = 0.1, \quad t = 5, \quad m = 1$$

$$\begin{aligned} W^D(5) &= U \cdot (1 + III_{p/m}^{mt-1}) = 1000 \cdot (1 + III_{0.1}^4) = \\ &= 1000 \cdot (1 + 5.105100000) = 6105.10 \end{aligned}$$

oni će porasti na 6105.10 KM. Taj iznos (6105.10 KM) će se kamatiti još 3 godine po bančnim uslovima:

$$V_2(t) = ?, \quad G = 6105.10, \quad t = 3, \quad m = 1, \quad p = 0.1$$

i porasti na:

$$\begin{aligned} V_2(3) &= G \cdot I_p^t = 6105.10 \cdot I_{0.1}^3 = 6105.10 \cdot 1.331000000 = \\ &= 8125.89 \end{aligned}$$

Prema tome, stanje svih uloga nakon osam godina biće

$$V_1(8) + V_2(3) = 1500.51 + 8125.89 = 9626.40 \text{ KM.}$$

.....

Zadatak 32 *Koji iznos treba da deponuje firma u banku koja kapitališe polugodišnje sa kamatnom stopom 9%, da bi u narednih deset godina njihov stipendista primao polugodišnju rentu od 500 KM, ali tako da se prva isplata isplati odmah.*

2 Rešeni zadaci

Rešenje: U pitanju je anticipativni račun rente, jer će stipendista primati rentu od 500 početkom svakog obračunskog perioda. Nepoznata je miza, tj. iznos koji se uplaćuje:

$$M^A(t) = ?, \quad R = 500, \quad p = 0.09, \quad t = 10, \quad m = 2$$

$$\begin{aligned} M^A(10) &= R \cdot (1 + IV_{p/m}^{mt-1}) = 1000 \cdot (1 + IV_{0.045}^{19}) = \\ &= 500 \cdot (1 + 12.593293592) = 6796.65 \end{aligned}$$

Firma treba da položi u banku iznos od 6796.65 KM.

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3 Finansijske tablice

3 *Finansijske tablice*

3.1 Prva finansijska tablica

$$I_p^t := (1 + p)^t$$

3 Finansijske tablice

t \ p	0.0025	0.005	0.0075	0.01	0.0125
1	1.002500000	1.005000000	1.007500000	1.010000000	1.012500000
2	1.005006250	1.010025000	1.015056250	1.020100000	1.025156250
3	1.007518766	1.015075125	1.022669172	1.030301000	1.037970703
4	1.010037563	1.020150501	1.030339191	1.040604010	1.050945337
5	1.012562656	1.025251253	1.038066735	1.051010050	1.064082154
6	1.015094063	1.030377509	1.045852235	1.061520151	1.077383181
7	1.017631798	1.035529397	1.053696127	1.072135352	1.090850470
8	1.020175878	1.040707044	1.061598848	1.082856706	1.104486101
9	1.022726317	1.045910579	1.069560839	1.093685273	1.118292177
10	1.025283133	1.051140132	1.077582545	1.104622125	1.132270830
11	1.027846341	1.056395833	1.085664415	1.115668347	1.146424215
12	1.030415957	1.061677812	1.093806898	1.126825030	1.160754518
13	1.032991997	1.066986201	1.102010449	1.138093280	1.175263949
14	1.035574477	1.072321132	1.110275528	1.149474213	1.189954749
15	1.038163413	1.077682738	1.118602594	1.160968955	1.204829183
16	1.040758822	1.083071151	1.126992114	1.172578645	1.219889548
17	1.043360719	1.088486507	1.135444555	1.184304431	1.235138167
18	1.045969120	1.093928940	1.143960389	1.196147476	1.250577394
19	1.048584043	1.099398584	1.152540092	1.208108950	1.266209612
20	1.051205503	1.104895577	1.161184142	1.220190040	1.282037232
21	1.053833517	1.110420055	1.169893023	1.232391940	1.298062697
22	1.056468101	1.115972155	1.178667221	1.244715860	1.314288481
23	1.059109271	1.121552016	1.187507225	1.257163018	1.330717087
24	1.061757044	1.127159776	1.196413529	1.269734649	1.347351050
25	1.064411437	1.132795575	1.205386631	1.282431995	1.364192939
26	1.067072465	1.138459553	1.214427031	1.295256315	1.381245350
27	1.069740147	1.144151851	1.223535233	1.308208878	1.398510917
28	1.072414497	1.149872610	1.232711748	1.321290967	1.415992304
29	1.075095533	1.155621973	1.241957086	1.334503877	1.433692207
30	1.077783272	1.161400083	1.251271764	1.347848915	1.451613360
31	1.080477730	1.167207083	1.260656302	1.361327404	1.469758527
32	1.083178925	1.173043119	1.270111224	1.374940679	1.488130509
33	1.085886872	1.178908334	1.279637058	1.388690085	1.506732140
34	1.088601589	1.184802876	1.289234336	1.402576986	1.525566292
35	1.091323093	1.190726890	1.298903594	1.416602756	1.544635870
36	1.094051401	1.196680525	1.308645371	1.430768784	1.563943819
37	1.096786529	1.202663927	1.318460211	1.445076471	1.583493116
38	1.099528496	1.208677247	1.328348663	1.459527236	1.603286780
39	1.102277317	1.214720633	1.338311278	1.474122509	1.623327865
40	1.105033010	1.220794236	1.348348612	1.488863734	1.643619463
41	1.107795593	1.226898208	1.358461227	1.503752371	1.664164707
42	1.110565082	1.233032699	1.368649686	1.518789895	1.684966766
43	1.113341494	1.239197862	1.378914559	1.533977794	1.706028850
44	1.116124848	1.245393852	1.389256418	1.549317572	1.727354211
45	1.118915160	1.251620821	1.399675841	1.564810747	1.748946138
46	1.121712448	1.257878925	1.410173410	1.580458855	1.770807965
47	1.124516729	1.264168319	1.420749710	1.596263443	1.792943065
48	1.127328021	1.270489161	1.431405333	1.612226078	1.815354853
49	1.130146341	1.276841607	1.442140873	1.628348338	1.838046789
50	1.132971707	1.283225815	1.452956930	1.644631822	1.861022374

t \ p	0.015	0.0175	0.02	0.0225	0.025
1	1.015000000	1.017500000	1.020000000	1.022500000	1.025000000
2	1.030225000	1.035306250	1.040400000	1.045506250	1.050625000
3	1.045678375	1.053424100	1.061208000	1.069030141	1.076890625
4	1.061363551	1.071859031	1.082432160	1.093083319	1.103812891
5	1.077284004	1.090616564	1.104080803	1.117677693	1.131408213
6	1.093443264	1.109702354	1.126162419	1.142825442	1.159693418
7	1.109844913	1.129122145	1.148685668	1.168539014	1.188685754
8	1.126492587	1.148881783	1.171659381	1.194831142	1.218402898
9	1.143389975	1.168987214	1.195092569	1.221714843	1.248862970
10	1.160540825	1.189444490	1.218994420	1.249203426	1.280084544
11	1.177948937	1.210259769	1.243374308	1.277310504	1.312086658
12	1.195618171	1.231439315	1.268241795	1.306049990	1.344888824
13	1.213552444	1.252989503	1.293606630	1.335436115	1.378511045
14	1.231755731	1.274916819	1.319478763	1.365483427	1.412973821
15	1.250232067	1.297227864	1.345868338	1.396206804	1.448298166
16	1.268985548	1.319929351	1.372785705	1.427621457	1.484505621
17	1.288020331	1.343028115	1.400241419	1.459742940	1.521618261
18	1.3073340636	1.366531107	1.428246248	1.492587156	1.559658718
19	1.326950745	1.390445401	1.456811173	1.526170367	1.598650186
20	1.346855007	1.414778196	1.485947396	1.560509201	1.638616440
21	1.367057832	1.439536814	1.515666344	1.595620658	1.679581851
22	1.387563699	1.464728708	1.545979671	1.631522122	1.721571398
23	1.408377155	1.490361461	1.576899264	1.668231370	1.764610683
24	1.429502812	1.516442786	1.608437249	1.705766576	1.808725950
25	1.450945354	1.542980535	1.640605994	1.744146324	1.853944098
26	1.472709534	1.569982695	1.673418114	1.783389616	1.900292701
27	1.494800177	1.597457392	1.706886477	1.823515883	1.947800018
28	1.517222180	1.625412896	1.741024206	1.864544990	1.996495019
29	1.539980513	1.653857622	1.775844690	1.906497252	2.046407394
30	1.563080220	1.682800130	1.811361584	1.949393441	2.097567579
31	1.586526424	1.712249132	1.847588816	1.993254793	2.150006769
32	1.610324320	1.742213492	1.884540592	2.038103026	2.203756938
33	1.634479185	1.772702228	1.922231404	2.083960344	2.258850861
34	1.658996373	1.803724517	1.960676032	2.130849452	2.315322133
35	1.683881318	1.835289696	1.999889553	2.178793564	2.373205186
36	1.709139538	1.867407266	2.039887344	2.227816419	2.432535316
37	1.734776631	1.900086893	2.080685091	2.277942289	2.493348699
38	1.760798281	1.933338414	2.122298792	2.329195990	2.555682416
39	1.787210255	1.967171836	2.164744768	2.381602900	2.619574476
40	1.814018409	2.001597343	2.208039664	2.435188965	2.685063838
41	1.841228685	2.036625297	2.252200457	2.489980717	2.752190434
42	1.868847115	2.072266239	2.297244466	2.546005283	2.820995195
43	1.896879822	2.108530899	2.343189355	2.603290402	2.891520075
44	1.925333019	2.145430189	2.390053142	2.661864436	2.963808077
45	1.954213014	2.182975218	2.437854205	2.721756386	3.037903279
46	1.983526210	2.221177284	2.486611289	2.782995905	3.113850861
47	2.013279103	2.260047886	2.536343515	2.845613313	3.191697132
48	2.043478289	2.299598724	2.587070385	2.909639612	3.271489561
49	2.074130464	2.339841702	2.638811793	2.975106503	3.353276800
50	2.105242421	2.380788932	2.691588029	3.042046400	3.437108720

t \ p	0.0275	0.03	0.0325	0.035	0.0375
1	1.027500000	1.030000000	1.032500000	1.035000000	1.037500000
2	1.055756250	1.060900000	1.066056250	1.071225000	1.076406250
3	1.084789547	1.092727000	1.100703078	1.108717875	1.116771484
4	1.114621259	1.125508810	1.136475928	1.147523001	1.158650415
5	1.145273344	1.159274074	1.173411396	1.187686306	1.202099806
6	1.176768361	1.194052297	1.211547266	1.229255326	1.247178548
7	1.209129491	1.229873865	1.250922552	1.272279263	1.293947744
8	1.242380552	1.266770081	1.291577535	1.316809037	1.342470784
9	1.276546017	1.304773184	1.333553805	1.362897353	1.392813439
10	1.311651033	1.343916379	1.376894304	1.410598761	1.445043943
11	1.347721436	1.384233871	1.421643369	1.459969717	1.499233090
12	1.384783775	1.425760887	1.467846778	1.511068657	1.555454331
13	1.422865329	1.46853713	1.515551799	1.563956060	1.613783869
14	1.461994126	1.512589725	1.564807232	1.618694522	1.674300764
15	1.502198964	1.557967417	1.615663467	1.675348831	1.737087043
16	1.543509436	1.604706439	1.668172530	1.733986040	1.802227807
17	1.585955945	1.652847632	1.722388137	1.794675551	1.869811349
18	1.629569734	1.702433061	1.778365751	1.857489196	1.939929275
19	1.674382901	1.753506053	1.836162638	1.922501317	2.012676623
20	1.720428431	1.806111235	1.895837924	1.989788863	2.088151996
21	1.767740213	1.860294572	1.957452657	2.059431474	2.166457696
22	1.816353069	1.916103409	2.021069868	2.131511575	2.247699860
23	1.866302778	1.973586511	2.086754639	2.206114480	2.331988604
24	1.917626105	2.032794106	2.154574164	2.283328487	2.419438177
25	1.970360823	2.093777930	2.224597825	2.363244984	2.510167109
26	2.024545745	2.156591268	2.296897254	2.445958559	2.604298375
27	2.080220753	2.221289006	2.371546415	2.531567108	2.701959564
28	2.137426824	2.287927676	2.448621673	2.620171957	2.803283048
29	2.196206062	2.356656506	2.528201878	2.711877976	2.908406162
30	2.256601728	2.427262471	2.610368439	2.806793705	3.017413393
31	2.318658276	2.500080345	2.695205413	2.905031484	3.130626571
32	2.382421379	2.575082756	2.782799589	3.006707586	3.248025067
33	2.447937966	2.652335238	2.873240575	3.111942352	3.369826007
34	2.515256260	2.731905296	2.966620894	3.220860334	3.496194482
35	2.584425808	2.813862454	3.063036073	3.333590446	3.627301775
36	2.655497517	2.898278328	3.162584746	3.450266111	3.763325592
37	2.728523699	2.985226678	3.265368750	3.571025425	3.904450302
38	2.803558101	3.074783478	3.371493234	3.696011315	4.050867188
39	2.880655949	3.167026983	3.481066764	3.825371711	4.202774707
40	2.959873987	3.262037792	3.594201434	3.959259721	4.360378759
41	3.041270522	3.359898926	3.711012981	4.097833811	4.523892962
42	3.124905461	3.460695894	3.831620903	4.241257995	4.693538949
43	3.210840361	3.564516770	3.956148582	4.389702025	4.869546659
44	3.299138471	3.671452273	4.084723411	4.543341595	5.052154659
45	3.389864779	3.781595842	4.217476922	4.702358551	5.241610458
46	3.483086061	3.895043717	4.354544922	4.866941101	5.438170851
47	3.578870927	4.011895028	4.496067632	5.037284039	5.642102258
48	3.677289878	4.132251879	4.642189830	5.213588981	5.853681092
49	3.778415349	4.256219436	4.793060999	5.396064595	6.073194133
50	3.882321772	4.383906019	4.948835482	5.584926856	6.300938913

t \ p	0.04	0.0425	0.045	0.0475	0.05
1	1.040000000	1.042500000	1.045000000	1.047500000	1.050000000
2	1.081600000	1.086806250	1.092025000	1.097256250	1.102500000
3	1.124864000	1.132995516	1.141166125	1.149375922	1.157625000
4	1.169858560	1.181147825	1.192518601	1.203971278	1.215506250
5	1.216652902	1.231346608	1.246181938	1.261159914	1.276281563
6	1.265319018	1.283678838	1.302260125	1.321065010	1.340095641
7	1.315931779	1.338235189	1.360861830	1.383815598	1.407100423
8	1.368569050	1.395110185	1.422100613	1.449546839	1.477455444
9	1.423311812	1.454402367	1.486095140	1.518400313	1.551328216
10	1.480244285	1.516214468	1.552969422	1.590524328	1.628894627
11	1.539454056	1.580653583	1.622853046	1.666074234	1.710339358
12	1.601032219	1.647831360	1.695881433	1.745212760	1.795856326
13	1.665073507	1.717864193	1.772196097	1.828110366	1.885649142
14	1.731676448	1.790873421	1.851944922	1.914945609	1.979931599
15	1.800943506	1.866985542	1.935282443	2.005905525	2.078928179
16	1.872981246	1.946332427	2.022370153	2.101186037	2.182874588
17	1.947900496	2.029051555	2.113376810	2.200992374	2.292018318
18	2.025816515	2.115286246	2.208478766	2.305539512	2.406619234
19	2.106849176	2.205185912	2.307860311	2.415052639	2.526950195
20	2.191123143	2.298906313	2.411714025	2.529767639	2.653297705
21	2.278768069	2.396609831	2.520241156	2.649931602	2.785962590
22	2.369918792	2.498465749	2.633652008	2.775803353	2.925260720
23	2.464715543	2.604650544	2.752166348	2.907654012	3.071523756
24	2.563304165	2.715348192	2.876013834	3.045767578	3.225099944
25	2.665836331	2.830750490	3.005434457	3.190441538	3.386354941
26	2.772469785	2.951057386	3.140679007	3.341987511	3.555672688
27	2.883368576	3.076477325	3.282009562	3.500731918	3.733456322
28	2.998703319	3.207227611	3.429699993	3.667016684	3.920129138
29	3.118651452	3.343534784	3.584036492	3.841199976	4.116135595
30	3.243397510	3.485635013	3.745318135	4.023656975	4.321942375
31	3.373133410	3.633774501	3.913857451	4.214780681	4.538039494
32	3.508058747	3.788209917	4.089981036	4.414982764	4.764941469
33	3.648381097	3.949208838	4.274030182	4.624694445	5.003188542
34	3.794316341	4.117050214	4.466361541	4.844367431	5.253347969
35	3.946088994	4.292024848	4.667347810	5.074474884	5.516015368
36	4.103932554	4.474435904	4.877378461	5.315512441	5.791816136
37	4.268089856	4.664599430	5.096860492	5.567999282	6.081406943
38	4.438813450	4.862844906	5.326219214	5.832479248	6.385477290
39	4.616365988	5.069515814	5.565899079	6.109522012	6.704751154
40	4.801020628	5.284970237	5.816364538	6.399724308	7.039988712
41	4.993061453	5.509581472	6.078100942	6.703711213	7.391988148
42	5.192783911	5.743738684	6.351615484	7.022137495	7.761587555
43	5.400495268	5.987847578	6.637438181	7.355689026	8.149666933
44	5.616515078	6.242331100	6.936122899	7.705084255	8.557150280
45	5.841175681	6.507630172	7.248248430	8.071075757	8.985007793
46	6.074822709	6.784204454	7.574419609	8.454451856	9.434258183
47	6.317815617	7.072533144	7.915268491	8.856038319	9.905971092
48	6.570528242	7.373115802	8.271455573	9.276700139	10.401269647
49	6.833349371	7.686473224	8.643671074	9.717343395	10.921333129
50	7.106683346	8.013148336	9.032636273	10.178917207	11.467399786

t \ p	0.0525	0.055	0.0575	0.06	0.0625
1	1.052500000	1.055000000	1.057500000	1.060000000	1.062500000
2	1.107756250	1.113025000	1.118306250	1.123600000	1.128906250
3	1.165913453	1.174241375	1.182608859	1.191016000	1.199462891
4	1.227123909	1.238824651	1.250608869	1.262476960	1.274429321
5	1.291547915	1.306960006	1.322518879	1.338225578	1.354081154
6	1.359354180	1.378842807	1.398563714	1.418519112	1.438711226
7	1.430720275	1.454679161	1.478981128	1.503630259	1.528630678
8	1.505833089	1.534686515	1.564022543	1.593848075	1.624170095
9	1.584889326	1.619094273	1.653953839	1.689478959	1.725680726
10	1.668096016	1.708144458	1.749056185	1.790847697	1.833535771
11	1.755671057	1.802092404	1.849626915	1.898298558	1.948131757
12	1.847843787	1.901207486	1.955980463	2.012196472	2.069889992
13	1.944855586	2.005773897	2.068449339	2.132928260	2.199258116
14	2.046960504	2.116091462	2.187385177	2.260903956	2.336711749
15	2.154425931	2.232476492	2.313159824	2.396558193	2.482756233
16	2.267533292	2.355262699	2.446166514	2.540351685	2.637928497
17	2.386578790	2.484802148	2.586821089	2.692772786	2.802799028
18	2.511874176	2.621466266	2.735563301	2.854339153	2.977973968
19	2.643747571	2.765646911	2.892858191	3.025599502	3.164097341
20	2.782544318	2.917757491	3.059197537	3.207135472	3.361853425
21	2.928627895	3.078234153	3.235101395	3.399563601	3.571969264
22	3.082380859	3.247537031	3.421119726	3.603537417	3.795217343
23	3.244205854	3.426151568	3.617834110	3.819749662	4.032418426
24	3.414526662	3.614589904	3.825859571	4.048934641	4.284444578
25	3.593789312	3.813392349	4.045846497	4.291870720	4.552222364
26	3.782463250	4.023128928	4.278482670	4.549382963	4.836736262
27	3.981042571	4.244401019	4.524495424	4.822345941	5.139032278
28	4.190047306	4.477843075	4.784653910	5.111686697	5.460221796
29	4.410024790	4.724124444	5.059771510	5.418387899	5.801485658
30	4.641551091	4.983951288	5.350708372	5.743491173	6.164078512
31	4.885232523	5.258068609	5.658374104	6.088100643	6.549333419
32	5.141707231	5.547262383	5.983730614	6.453386682	6.958666757
33	5.411646860	5.852361814	6.327795125	6.840589883	7.393583430
34	5.695758321	6.174241714	6.691643344	7.251025276	7.855682394
35	5.994785632	6.513825008	7.076412837	7.686086792	8.346662544
36	6.309511878	6.872085383	7.483306575	8.147252000	8.868328952
37	6.640761252	7.250050079	7.913596703	8.636087120	9.422599512
38	6.989401217	7.648802834	8.368628513	9.154252347	10.011511982
39	7.356344781	8.069486990	8.849824653	9.703507488	10.637231480
40	7.742552882	8.513308774	9.358689570	10.285717937	11.302058448
41	8.149036909	8.981540757	9.896814221	10.902861013	12.008437101
42	8.576861346	9.475525498	10.465881038	11.557032674	12.758964420
43	9.027146567	9.996679401	11.067669198	12.250454635	13.556399696
44	9.501071762	10.546496768	11.704060177	12.985481913	14.403674677
45	9.999878029	11.126554090	12.377043637	13.764610827	15.303904344
46	10.524871626	11.738514565	13.088723646	14.590487477	16.260398366
47	11.077427386	12.384132866	13.841325256	15.465916726	17.276673264
48	11.658992324	13.065260173	14.637201458	16.393871729	18.356465343
49	12.271089421	13.783849483	15.478840542	17.377504033	19.503744426
50	12.915321616	14.541961205	16.368873873	18.420154275	20.722728453

t \ p	0.065	0.0675	0.07	0.0725	0.075
1	1.065000000	1.067500000	1.070000000	1.072500000	1.075000000
2	1.134225000	1.139556250	1.144900000	1.150256250	1.155625000
3	1.207949625	1.216476297	1.225043000	1.233649828	1.242296875
4	1.286466351	1.298588447	1.310796010	1.323089441	1.335469141
5	1.370086663	1.386243167	1.402551731	1.419013425	1.435629326
6	1.459142297	1.479814581	1.500730352	1.521891898	1.543301526
7	1.553986546	1.579702065	1.605781476	1.632229061	1.659049140
8	1.654995671	1.686331954	1.718186180	1.750565668	1.783477826
9	1.762570390	1.800159361	1.838459212	1.877481679	1.917238662
10	1.877137465	1.921670118	1.967151357	2.013599101	2.061031562
11	1.999151401	2.051382851	2.104851952	2.159585035	2.215608929
12	2.129096242	2.189851194	2.252191589	2.316154951	2.381779599
13	2.267487497	2.337666149	2.409845000	2.484076184	2.560413069
14	2.414874185	2.495458614	2.578534150	2.664171708	2.752444049
15	2.571841007	2.663902071	2.759031541	2.857324157	2.958877353
16	2.739010672	2.843715461	2.952163749	3.064480158	3.180793154
17	2.917046366	3.035666254	3.158815211	3.286654969	3.419352641
18	3.106654379	3.240573726	3.379932276	3.524937455	3.675804089
19	3.308586914	3.459312453	3.616527535	3.780495420	3.951489396
20	3.523645064	3.692816043	3.869684462	4.054581338	4.247851100
21	3.752681993	3.942081126	4.140562375	4.348538485	4.566439933
22	3.996606322	4.208171602	4.430401741	4.663807525	4.908922928
23	4.256385733	4.492223186	4.740529863	5.001933571	5.277092147
24	4.533050806	4.795448251	5.072366953	5.364573755	5.672874058
25	4.827699108	5.119141008	5.427432640	5.753505352	6.098339613
26	5.141499550	5.464683026	5.807352925	6.170634490	6.555715084
27	5.475697021	5.833549130	6.213867630	6.618005491	7.047393715
28	5.831617327	6.227313696	6.648838364	7.097810889	7.575948244
29	6.210672454	6.647657371	7.114257049	7.612402178	8.144144362
30	6.614366163	7.096374243	7.612255043	8.164301336	8.754955189
31	7.044299964	7.575379504	8.145112896	8.756213183	9.411576828
32	7.502179461	8.086717621	8.715270798	9.391038639	10.117445090
33	7.989821126	8.632571060	9.325339754	10.071888940	10.876253472
34	8.509159499	9.215269607	9.978113537	10.802100888	11.691972482
35	9.062254867	9.837300305	10.676581485	11.585253202	12.568870419
36	9.651301433	10.501318076	11.423942189	12.425184060	13.511535700
37	10.278636026	11.210157046	12.223618142	13.326009904	14.524900877
38	10.946747368	11.966842647	13.079271412	14.292145622	15.614268443
39	11.658285947	12.774604526	13.994820410	15.328326180	16.785338577
40	12.416074534	13.636890331	14.974457839	16.439629828	18.044238970
41	13.223119378	14.557380428	16.022669888	17.631502990	19.397556893
42	14.082622138	15.540003607	17.144256780	18.909786957	20.852373659
43	14.997992577	16.588953851	18.344354755	20.280746511	22.416301684
44	15.972862094	17.708708236	19.628459588	21.751100633	24.097524310
45	17.011098131	18.904046042	21.002451759	23.328055429	25.904838634
46	18.116819509	20.180069149	22.472623382	25.019339448	27.847701531
47	19.294412777	21.54223817	24.045707019	26.833241558	29.936279146
48	20.548549608	22.996323925	25.728906510	28.778651571	32.181500082
49	21.884205332	24.548575790	27.529929965	30.865103810	34.595112588
50	23.306678679	26.205604655	29.457025063	33.102823836	37.189746032

t \ p	0.0775	0.08	0.0825	0.085	0.0875
1	1.077500000	1.080000000	1.082500000	1.085000000	1.087500000
2	1.161006250	1.166400000	1.171806250	1.177225000	1.182656250
3	1.250984234	1.259712000	1.268480266	1.277289125	1.286138672
4	1.347935513	1.360488960	1.373129888	1.385858701	1.398675806
5	1.452400515	1.469328077	1.486413103	1.503656690	1.521059939
6	1.564961555	1.586874323	1.609042184	1.631467509	1.654152683
7	1.686246075	1.713824269	1.741788164	1.770142247	1.798891043
8	1.816930146	1.850930210	1.885485688	1.920604338	1.956294009
9	1.957742232	1.999004627	2.041038257	2.083855707	2.127469735
10	2.109467255	2.158924997	2.209423914	2.260983442	2.313623337
11	2.272950968	2.331638997	2.391701386	2.453167034	2.516065379
12	2.449104668	2.518170117	2.589016751	2.661686232	2.736221100
13	2.638910279	2.719623726	2.802610633	2.887929562	2.975640446
14	2.843425826	2.937193624	3.033826010	3.133403575	3.236008985
15	3.063791327	3.172169114	3.284116656	3.399742879	3.519159771
16	3.301235155	3.425942643	3.555056280	3.688721024	3.827086251
17	3.557080880	3.700018055	3.848348423	4.002262311	4.161956298
18	3.832754648	3.996019499	4.165837168	4.342454607	4.526127474
19	4.129793133	4.315701059	4.509518734	4.711563249	4.922163628
20	4.449852101	4.660957144	4.881554030	5.112046125	5.352852958
21	4.794715639	5.033833715	5.284282237	5.546570045	5.821227545
22	5.166306101	5.436540413	5.720235522	6.018028499	6.330584991
23	5.566694824	5.871463646	6.192154952	6.529560921	6.884511178
24	5.998113673	6.341180737	6.703007736	7.084573600	7.486905906
25	6.462967482	6.848475196	7.256005874	7.686762356	8.142010173
26	6.963847462	7.396353212	7.854626359	8.340137156	8.854436063
27	7.503545640	7.988061469	8.502633033	9.049048814	9.629199219
28	8.085070428	8.627106386	9.204100259	9.818217964	10.471754150
29	8.711663386	9.317274897	9.963438530	10.652766490	11.388032638
30	9.386817298	10.062656889	10.785422209	11.558251642	12.384485494
31	10.114295639	10.867669440	11.675219541	12.540703032	13.468127975
32	10.898153551	11.737082995	12.638425153	13.606662789	14.646589173
33	11.742760451	12.676049635	13.681095228	14.763229126	15.928165725
34	12.652824386	13.690133606	14.809785584	16.018103602	17.321880226
35	13.633418276	14.785344294	16.031592895	17.379642408	18.837544746
36	14.690008192	15.968171838	17.354199309	18.856912013	20.485829911
37	15.828483827	17.245625585	18.785920752	20.459749534	22.278340029
38	17.055191324	18.625275632	20.335759214	22.198828245	24.227694781
39	18.376968651	20.115297682	22.013459349	24.085728645	26.347618075
40	19.801183722	21.724521497	23.829569745	26.133015580	28.653034656
41	21.335775460	23.462483217	25.795509249	28.354321905	31.160175188
42	22.989298058	25.339481874	27.923638762	30.764439267	33.886690517
43	24.770968658	27.366640424	30.227338960	33.379416604	36.851775938
44	26.690718729	29.555971658	32.721094425	36.216667016	40.076306332
45	28.759249430	31.920449390	35.420584715	39.295083712	43.582983136
46	30.988091261	34.474085342	38.342782954	42.635165827	47.396494161
47	33.389668334	37.232012169	41.506062547	46.259154923	51.543687400
48	35.977367629	40.210573142	44.930312707	50.191183091	56.053760047
49	38.765613621	43.427418994	48.637063506	54.457433654	60.958464051
50	41.769948676	46.901612513	52.649621245	59.086315514	66.292329656

t \ p	0.09	0.0925	0.095	0.0975	0.1
1	1.090000000	1.092500000	1.095000000	1.097500000	1.100000000
2	1.188100000	1.193556250	1.199025000	1.204506250	1.210000000
3	1.295029000	1.303960203	1.312932375	1.321945609	1.331000000
4	1.411581610	1.424576522	1.437660951	1.450835306	1.464100000
5	1.538623955	1.556349850	1.574238741	1.592291749	1.610510000
6	1.677100111	1.700312211	1.723791421	1.747540194	1.771561000
7	1.828039121	1.857591091	1.887551606	1.917925363	1.948717100
8	1.992562642	2.029418267	2.066869009	2.104923086	2.143588810
9	2.171893279	2.217139456	2.263221565	2.310153087	2.357947691
10	2.367363675	2.422224856	2.478227613	2.535393013	2.593742460
11	2.580426405	2.646280655	2.713659237	2.782593832	2.853116706
12	2.812664782	2.891061616	2.971456864	3.053896730	3.138428377
13	3.065804612	3.158484815	3.253745266	3.351651661	3.452271214
14	3.341727027	3.450644661	3.562851067	3.678437698	3.797498336
15	3.642482460	3.769829292	3.901321918	4.037085374	4.177248169
16	3.970305881	4.118538502	4.271947500	4.430701198	4.594972986
17	4.327633410	4.499503313	4.677782513	4.862694565	5.054470285
18	4.717120417	4.915707369	5.122171851	5.336807285	5.559917313
19	5.141661255	5.370410301	5.608778177	5.857145995	6.115909045
20	5.604410768	5.867173254	6.141612104	6.428217729	6.727499949
21	6.108807737	6.409886780	6.725065254	7.054968958	7.400249944
22	6.658600433	7.002801307	7.363946453	7.742828432	8.140274939
23	7.257874472	7.650560428	8.063521366	8.497754204	8.954302433
24	7.911083175	8.358237268	8.829555896	9.326285238	9.849732676
25	8.623080660	9.131374215	9.668363706	10.235598049	10.834705943
26	9.399157920	9.976026330	10.586858258	11.233568859	11.918176538
27	10.245082133	10.898808765	11.592609793	12.328841823	13.109994192
28	11.167139525	11.906948576	12.693907723	13.530903900	14.420993611
29	12.172182082	13.008341319	13.899828957	14.850167031	15.863092972
30	13.267678469	14.211612891	15.220312708	16.298058316	17.449402269
31	14.461769531	15.526187084	16.666242415	17.887119002	19.194342496
32	15.763328789	16.962359389	18.249535444	19.631113105	21.113776745
33	17.182028380	18.531377632	19.983241311	21.545146633	23.225154420
34	18.728410934	20.245530063	21.881649236	23.645798429	25.547669862
35	20.413967919	22.118241594	23.960405913	25.951263776	28.102436848
36	22.251225031	24.164178942	26.236644475	28.481511994	30.912680533
37	24.253835284	26.399365494	28.729125700	31.258459414	34.003948586
38	26.436680460	28.841306802	31.458392642	34.306159206	37.404343445
39	28.815981701	31.509127681	34.446939943	37.651009729	41.144777789
40	31.409420054	34.423721992	37.719399237	41.321983178	45.259255568
41	34.236267859	37.607916276	41.302742165	45.350876538	49.785181125
42	37.317531966	41.086648532	45.226502671	49.772587000	54.763699237
43	40.676109843	44.887163521	49.523020424	54.625414232	60.240069161
44	44.336959729	49.039226146	54.227707365	59.951392120	66.264076077
45	48.327286105	53.575354565	59.379339564	65.796652852	72.890483685
46	52.676741854	58.531074862	65.020376823	72.211826505	80.179532054
47	57.417648621	63.945197827	71.197312621	79.254199589	88.197485259
48	62.585236997	69.860130221	77.961057320	86.979596349	97.017233785
49	68.217908326	76.322192266	85.367357765	95.460106993	106.718957163
50	74.357520076	83.381995051	93.477256753	104.767467425	117.390852880

t \ p	0.1025	0.105	0.1075	0.11	0.1125
1	1.102500000	1.105000000	1.107500000	1.110000000	1.112500000
2	1.215506250	1.221025000	1.226556250	1.232100000	1.237656250
3	1.340095641	1.349232625	1.358411047	1.367631000	1.376892578
4	1.477455444	1.490902051	1.504440234	1.518070410	1.531792993
5	1.628894627	1.647446766	1.666167560	1.685058155	1.704119705
6	1.795856326	1.820428676	1.845280572	1.870414552	1.895833172
7	1.979931599	2.011573687	2.043648234	2.076160153	2.109114404
8	2.182874588	2.222788925	2.263340419	2.304537770	2.346389774
9	2.406619234	2.456181762	2.506649514	2.558036924	2.610358623
10	2.653297705	2.714080847	2.776114337	2.839420986	2.904023969
11	2.925260720	2.999059336	3.074546628	3.151757295	3.230726665
12	3.225099944	3.313960566	3.405060390	3.498450597	3.594183415
13	3.555672688	3.661926425	3.771104382	3.883280163	3.998529049
14	3.920129138	4.046428700	4.176498103	4.310440980	4.448363567
15	4.321942375	4.471303713	4.625471650	4.784589488	4.948804468
16	4.764941469	4.940790603	5.122709852	5.310894332	5.505544971
17	5.253347969	5.459573616	5.673401161	5.895092709	6.124918780
18	5.791816136	6.032828846	6.283291786	6.543552907	6.813972143
19	6.385477290	6.666275875	6.958745653	7.263343726	7.580544009
20	7.039988712	7.366234842	7.706810810	8.062311536	8.433355210
21	7.761587555	8.139689500	8.535292973	8.949165805	9.382107671
22	8.557150280	8.994356898	9.452836967	9.933574044	10.437594784
23	9.434258183	9.938764372	10.469016941	11.026267188	11.611824198
24	10.401269647	10.982334631	11.594436262	12.239156579	12.918154420
25	11.467399786	12.135479767	12.840838160	13.585463803	14.371446792
26	12.642808264	13.409705143	14.221228263	15.079864821	15.988234556
27	13.938696111	14.817724183	15.750010301	16.738649952	17.786910944
28	15.367412462	16.373585222	17.443136408	18.579901446	19.787938425
29	16.942572240	18.092811671	19.318273572	20.623690605	22.014081498
30	18.679185894	19.992556896	21.394987981	22.892296572	24.490665666
31	20.593802448	22.091775370	23.694949189	25.410449195	27.245865554
32	22.704667199	24.411411784	26.242156227	28.205598606	30.311025429
33	25.031895587	26.974610021	29.063188022	31.308214453	33.7211051789
34	27.597664885	29.806944074	32.187480734	34.752118043	37.514630066
35	30.426425536	32.936673201	35.647634913	38.574851027	41.735025948
36	33.545134153	36.395023887	39.479755666	42.818084640	46.430216367
37	36.983510404	40.216501396	43.723829400	47.528073951	51.653615709
38	40.774320220	44.439234042	48.424141060	52.756162086	57.464647476
39	44.953688042	49.105353617	53.629736224	58.559339915	63.929420317
40	49.561441067	54.261415746	59.394932869	65.000867306	71.121480103
41	54.641488776	59.958864400	65.779888152	72.150962709	79.122646614
42	60.242241376	66.254545162	72.851226128	80.087568607	88.023944358
43	66.417071117	73.211272404	80.682732937	88.897201154	97.9226638099
44	73.224820906	80.898456006	89.356126728	98.675893281	108.943384885
45	80.730365049	89.392793887	98.961910351	109.530241542	121.199515684
46	89.005227467	98.779037245	109.600315714	121.578568111	134.834461199
47	98.128263282	109.150836156	121.382349653	134.952210604	150.003338083
48	108.186410268	120.611673952	134.430952241	149.796953770	166.878713618
49	119.275517321	133.275899717	148.882279606	166.274618685	185.652568900
50	131.501257846	147.269869187	164.887124664	184.564826740	206.538482901

t \ p	0.115	0.1175	0.12	0.1225	0.125
1	1.115000000	1.117500000	1.120000000	1.122500000	1.125000000
2	1.243225000	1.248806250	1.254400000	1.260006250	1.265625000
3	1.386195875	1.395540984	1.404928000	1.414357016	1.423828125
4	1.545608401	1.559517050	1.573519360	1.587615750	1.601806641
5	1.723353367	1.742760303	1.762341683	1.782098679	1.802032471
6	1.921539004	1.947534639	1.973822685	2.000405768	2.027286530
7	2.142515989	2.176369959	2.210681407	2.245455474	2.280697346
8	2.388905328	2.432093429	2.475963176	2.520523770	2.565784514
9	2.663629441	2.717864407	2.773078757	2.829287932	2.886507578
10	2.969946827	3.037213475	3.105848208	3.175875703	3.247321025
11	3.311490712	3.394086059	3.478549993	3.564920477	3.653236154
12	3.692312143	3.792891170	3.895975993	4.001623235	4.109890673
13	4.116928040	4.238555883	4.363493112	4.491822082	4.623627007
14	4.590374764	4.736586199	4.887112285	5.042070287	5.201580383
15	5.118267862	5.293135078	5.473565759	5.659723897	5.851777931
16	5.706868667	5.915078449	6.130393650	6.353040074	6.583250172
17	6.363158563	6.610100167	6.866040888	7.131287483	7.406156444
18	7.094921798	7.386786937	7.689965795	8.004870200	8.331925999
19	7.910837805	8.254734402	8.612761690	8.985466799	9.373416749
20	8.820584152	9.224665694	9.646293093	10.086186482	10.545093842
21	9.834951330	10.308563913	10.803848264	11.321744326	11.863230573
22	10.965970733	11.519820173	12.100310056	12.708658006	13.346134394
23	12.227057367	12.873399043	13.552347263	14.265468612	15.014401194
24	13.633168964	14.386023430	15.178628935	16.012988517	16.891201343
25	15.200983395	16.076381183	17.000064407	17.974579610	19.002601511
26	16.949096485	17.965355972	19.040072135	20.176465612	21.377926700
27	18.898242581	20.076285299	21.324880792	22.648082650	24.050167537
28	21.071540478	22.435248822	23.883866487	25.422472774	27.056438479
29	23.494767633	25.071390558	26.749930465	28.536725689	30.438493289
30	26.196665911	28.017278949	29.959922121	32.032474586	34.243304950
31	29.209282491	31.309309226	33.555112775	35.956452723	38.523718069
32	32.568349977	34.988153060	37.581726308	40.361118182	43.339182827
33	36.313710225	39.099261044	42.091533465	45.305355159	48.756580861
34	40.489786900	43.693424217	47.142517481	50.855261166	54.851153266
35	45.146112394	48.827401562	52.799619579	57.085030659	61.707547424
36	50.337915319	54.564621246	59.135573929	64.077946914	69.420990852
37	56.126775581	60.975964242	66.231842800	71.927495411	78.098614709
38	62.581354773	68.140640041	74.179663936	80.738613599	87.860941548
39	69.778210572	76.147165245	83.081223608	90.629093765	98.843559241
40	77.802704787	85.094457162	93.050970441	101.731157751	111.199004146
41	86.750015838	95.093055878	104.217086894	114.193224576	125.098879664
42	96.726267659	106.266489944	116.723137322	128.181894587	140.736239622
43	107.849788440	118.752802512	130.729913800	143.884176673	158.328269575
44	120.252514111	132.706256808	146.417503456	161.509988316	178.119303272
45	134.081553233	148.299241982	163.987603871	181.294961885	200.384216181
46	149.500931855	165.724402915	183.666116336	203.503594716	225.432243204
47	166.693539018	185.197020258	205.706050296	228.4842785068	253.611273604
48	185.863296006	206.957670138	230.390776331	256.415801239	285.312682805
49	207.237575046	231.275196379	258.037669491	287.826736891	320.976768155
50	231.069896177	258.450031954	289.002189830	323.085512160	361.098864175

t \ p	0.1275	0.13	0.1325	0.135	0.1375
1	1.127500000	1.130000000	1.132500000	1.135000000	1.137500000
2	1.271256250	1.276900000	1.282556250	1.288225000	1.293906250
3	1.433341422	1.442897000	1.452494953	1.462135375	1.471818359
4	1.616092453	1.630473610	1.644950534	1.659523651	1.674193384
5	1.822144241	1.842435179	1.862906480	1.883559343	1.904394974
6	2.054467632	2.081951753	2.109741589	2.137839855	2.166249283
7	2.316412255	2.352605480	2.389282349	2.426448235	2.464108559
8	2.611754817	2.658444193	2.705862261	2.754018747	2.802923486
9	2.944753556	3.004041938	3.064389010	3.125811278	3.188325466
10	3.320209635	3.394567390	3.470420554	3.547795800	3.626720217
11	3.743536363	3.835861151	3.930251277	4.026748233	4.125394247
12	4.220837250	4.334523100	4.451009572	4.570359245	4.692635956
13	4.758993999	4.898011103	5.040768340	5.187357743	5.337873400
14	5.365765734	5.534752547	5.708670145	5.887651038	6.071830993
15	6.049900865	6.254270378	6.465068939	6.682483928	6.906707754
16	6.821263225	7.067325527	7.321690574	7.584619259	7.856380070
17	7.690974286	7.986077845	8.291814575	8.608542859	8.936632330
18	8.671573508	9.024267965	9.390480006	9.770696145	10.165419275
19	9.777199130	10.197422801	10.634718607	11.089740124	11.563164426
20	11.023792019	11.523087765	12.043818822	12.586855041	13.153099534
21	12.429325501	13.021089174	13.639624816	14.286080471	14.961650720
22	14.014064503	14.713830767	15.446875104	16.214701335	17.018877694
23	15.800857727	16.626628766	17.493586055	18.403686015	19.358973377
24	17.815467087	18.788090506	19.811486208	20.888183627	22.020832216
25	20.086939141	21.230542272	22.436508130	23.708088417	25.048696646
26	22.648023881	23.990512767	25.409345457	26.908680353	28.492892435
27	25.535646926	27.109279427	28.776083731	30.541352201	32.410665145
28	28.791441909	30.633485752	32.588914825	34.664434748	36.867131602
29	32.462350753	34.615838900	36.906946039	39.344133439	41.936362197
30	36.601300474	39.115897957	41.797116389	44.655591453	47.702611999
31	41.267966284	44.200964692	47.335234311	50.684096300	54.261721149
32	46.529631985	49.947090102	53.607152857	57.526449300	61.722707807
33	52.462160063	56.440211815	60.710100611	65.292519956	70.209580131
34	59.151085471	63.774393351	68.754188942	74.107010150	79.863397399
35	66.692848869	72.068506467	77.864118976	84.111456520	90.844614541
36	75.196187100	81.437412307	88.181114741	95.466503150	103.335749040
37	84.783700955	92.024275907	99.865112444	108.354481075	117.544414533
38	95.593622827	103.987431775	113.097239843	122.982336020	133.706771532
39	107.781809737	117.505797906	128.082624122	139.584951383	152.091452617
40	121.523990479	132.781551634	145.053571818	158.428919820	173.004027352
41	137.018299265	150.043153346	164.273170084	179.816823995	196.792081113
42	154.488132421	169.548763281	186.039365120	204.092095235	223.850992266
43	174.185369304	191.590102507	210.689580999	231.6449528091	254.630503703
44	196.394003891	216.496815833	238.605950481	262.916539384	289.642197962
45	221.434239387	244.641401892	270.221238920	298.410272200	329.468000181
46	249.667104909	276.444784138	306.025553077	338.695658948	374.769850206
47	281.499660785	312.382606075	346.573938859	384.419527905	426.3040504610
48	317.390867535	352.992344865	392.494985758	436.316215248	484.917051494
49	357.858203145	398.881349698	444.500571371	495.218904306	551.593146074
50	403.485124046	450.735925158	503.396897078	562.073456387	627.437203659

t \ p	0.14	0.1425	0.145	0.1475	0.15
1	1.140000000	1.142500000	1.145000000	1.147500000	1.150000000
2	1.299600000	1.305306250	1.311025000	1.316756250	1.322500000
3	1.481544000	1.491312391	1.501123625	1.510977797	1.520875000
4	1.688960160	1.703824406	1.718786551	1.733847022	1.749006250
5	1.925414582	1.946619384	1.968010600	1.989589458	2.011357188
6	2.194972624	2.224012646	2.253372138	2.283053903	2.313060766
7	2.502268791	2.540934449	2.580111097	2.619804353	2.660019880
8	2.852586422	2.903017607	2.954227207	3.006225495	3.059022863
9	3.251948521	3.316697617	3.382590152	3.449643756	3.517876292
10	3.707221314	3.789327027	3.873065724	3.958466210	4.045557736
11	4.226232298	4.329306128	4.434660253	4.542339976	4.652391396
12	4.817904820	4.946232251	5.077685990	5.212335122	5.350250105
13	5.492411495	5.651070347	5.813950459	5.981154553	6.152787621
14	6.261349104	6.456347872	6.656973275	6.863374850	7.075705764
15	7.137937978	7.376377444	7.622234400	7.875722640	8.137061629
16	8.137242925	8.427511229	8.727458388	9.037391729	9.357620874
17	9.276464197	9.628431579	9.992939855	10.370407009	10.761264005
18	10.575169184	11.000483079	11.441916133	11.900042043	12.375453605
19	12.055692870	12.568051918	13.100993973	13.655298244	14.231771646
20	13.743489872	14.358999317	15.000638099	15.669454736	16.366537393
21	15.667578454	16.405156719	17.175730623	17.980699309	18.821518002
22	17.861039437	18.742891552	19.666211564	20.632852457	21.644745702
23	20.361584959	21.413753598	22.517812240	23.676198195	24.891457557
24	23.212206853	24.465213486	25.782895015	27.168437428	28.625176191
25	26.461915812	27.951506407	29.521414792	31.175781949	32.918952620
26	30.166584026	31.934596070	33.802019937	35.774209786	37.856795513
27	34.389905790	36.485276010	38.703312828	41.050905730	43.535314840
28	39.204492600	41.684427842	44.315293188	47.105914325	50.065612066
29	44.693121564	47.624458809	50.741010701	54.054036688	57.575453875
30	50.950158583	54.410944190	58.098457252	62.027007099	66.211771957
31	58.083180785	62.164503737	66.522733554	71.175990647	76.143537750
32	66.214826095	71.022945519	76.168529919	81.674449267	87.565068413
33	75.484901748	81.143715256	87.212966757	93.721430534	100.699828675
34	86.052787993	92.706694680	99.858846937	107.545341538	115.804802976
35	98.100178312	105.917398672	114.338379743	123.408279414	133.175523422
36	111.834203276	121.010627982	130.917444806	141.611000628	153.151851936
37	127.490991734	138.254642470	149.900474302	162.498623221	176.124629276
38	145.339730577	157.955929022	171.636043076	186.467170146	202.543324185
39	165.687292858	180.464648907	196.523269322	213.971077742	232.924822813
40	188.883513858	206.180861377	225.019143374	245.531811709	267.863546235
41	215.327205798	235.561634123	257.646919163	281.747753936	308.043078170
42	245.473014610	269.129166985	295.005722442	323.305547642	354.249539895
43	279.839236655	307.480073281	337.781552196	370.993115919	407.386970880
44	319.016729787	351.295983723	386.759877265	425.714600517	468.495016512
45	363.679071957	401.355661404	442.840059468	488.507504093	538.769268988
46	414.594142031	458.548843154	507.051868091	560.562360947	619.584659337
47	472.637321915	523.892053303	580.574388964	643.245309186	712.522358237
48	538.806546983	598.546670899	664.757675364	738.123992291	819.400711973
49	614.239463561	683.839571502	761.147538292	846.997281154	942.310818769
50	700.232988459	781.286710441	871.513931344	971.929380125	1083.657441584

t \ p	0.1525	0.155	0.1575	0.16	0.1625
1	1.152500000	1.155000000	1.157500000	1.160000000	1.162500000
2	1.328256250	1.334025000	1.339806250	1.345600000	1.351406250
3	1.530815328	1.540798875	1.550825734	1.560896000	1.571009766
4	1.764264666	1.779622701	1.795080788	1.810639360	1.826298853
5	2.033315027	2.055464219	2.077806012	2.100341658	2.123072416
6	2.343395569	2.374061173	2.405060458	2.436396323	2.468071684
7	2.700763393	2.742040655	2.783857481	2.826219734	2.869133332
8	3.112629811	3.167056957	3.222315034	3.278414892	3.335367499
9	3.587305857	3.657950785	3.729829652	3.802961275	3.877364717
10	4.134370000	4.224933157	4.317277822	4.411435079	4.507436484
11	4.764861425	4.879797796	4.997249079	5.117264691	5.239894913
12	5.491502792	5.636166454	5.784315809	5.936027042	6.091377836
13	6.328956968	6.509772254	6.695345548	6.885791369	7.081226734
14	7.294122905	7.518786954	7.749862472	7.987517987	8.231926078
15	8.406476648	8.684198932	8.970465812	9.265520865	9.569614066
16	9.688464337	10.030249766	10.383314177	10.748004204	11.124676352
17	11.165955149	11.584938480	12.018686160	12.467684877	12.932436259
18	12.868763309	13.380603944	13.911629230	14.462514457	15.033957151
19	14.831249714	15.454597556	16.102710834	16.776516770	17.476975188
20	17.093015295	17.850060177	18.638887790	19.460759453	20.316983656
21	19.699700127	20.616819504	21.574512617	22.574480966	23.618493501
22	22.703904397	23.812426527	24.972498354	26.186397920	27.456498694
23	26.166249817	27.503352639	28.905666845	30.376221587	31.918179732
24	30.156602914	31.766372298	33.458309373	35.236417041	37.104883939
25	34.755484859	36.690160005	38.727993099	40.874243768	43.134427579
26	40.055696300	42.377134805	44.827652013	47.414122771	50.143720660
27	46.164189985	48.945590700	51.888007205	55.000382414	58.292135020
28	53.204228958	56.532157259	60.060368339	63.800443600	67.764606961
29	61.317873874	65.294641634	69.519876353	74.008514577	78.776355592
30	70.668849640	75.415311087	80.469256878	85.849876909	91.577513376
31	81.445849210	87.104684305	93.143164837	99.585857214	106.458859300
32	93.866341215	100.605910373	107.813213298	115.519594368	123.758423936
33	108.180958250	116.199826481	124.793794393	134.002729467	143.869167825
34	124.678554383	134.210799585	144.448817010	155.443166182	167.247907597
35	143.692033927	155.013473521	167.199505689	180.314072771	194.425692581
36	165.605069100	179.040561916	193.533427835	209.164324415	226.019867626
37	190.859842138	206.791849013	224.014942719	242.630616321	262.748096115
38	219.965968064	238.844585611	259.297296197	281.451514932	305.444661734
39	253.510778194	275.865496380	300.136620348	326.483757322	355.079419266
40	292.171171869	318.624648319	347.408138053	378.721158493	412.779824896
41	336.727275579	368.011468809	402.124919796	439.316543852	479.856546442
42	388.078185104	425.053246474	465.459594664	509.607190868	557.833235239
43	447.260108333	490.936473967	538.769480823	591.144341407	648.481135965
44	515.467274853	567.031657127	623.625674053	685.727436032	753.859320559
45	594.076034269	654.921563982	721.846717716	795.443825798	876.361460150
46	684.672629495	756.434406399	835.537575756	922.714837925	1018.770197424
47	789.085205492	873.681739391	967.134743938	1070.34211993	1184.320354506
48	909.420699330	1009.102408997	1119.458466108	1241.605085912	1376.772412113
49	1048.107355978	1165.513282391	1295.773174520	1440.261899658	1600.497929081
50	1207.943727765	1346.167841162	1499.857449507	1670.703803603	1860.578842557

t \ p	0.165	0.1675	0.17	0.1725	0.175
1	1.165000000	1.167500000	1.170000000	1.172500000	1.175000000
2	1.357225000	1.363056250	1.368900000	1.374756250	1.380625000
3	1.581167125	1.591368172	1.601613000	1.611901703	1.622234375
4	1.842059701	1.857922341	1.873887210	1.889954747	1.906125391
5	2.145999551	2.169124333	2.192448036	2.215971941	2.239697334
6	2.500089477	2.532452658	2.565164202	2.598227101	2.631644367
7	2.912604241	2.956638479	3.001242116	3.046421275	3.092182132
8	3.393183941	3.451875424	3.511453276	3.571928945	3.633314005
9	3.953059291	4.030064557	4.108400333	4.188086688	4.269143956
10	4.605314074	4.705100371	4.806828389	4.910531642	5.016244148
11	5.365190896	5.493204683	5.623989215	5.757598351	5.894086874
12	6.250447394	6.413316467	6.580067382	6.750784066	6.925552077
13	7.281771214	7.487546976	7.698678837	7.915294317	8.137523690
14	8.483263464	8.741711094	9.007454239	9.280682587	9.561590336
15	9.883001936	10.205947702	10.538721460	10.881600333	11.234868645
16	11.513697255	11.915443942	12.330304108	12.758676391	13.200970657
17	13.413457302	13.911280803	14.426455807	14.959548068	15.511140522
18	15.626677757	16.241420337	16.878953294	17.540070110	18.225590114
19	18.205079587	18.961858244	19.748375354	20.565732204	21.415068384
20	21.208917719	22.137969499	23.105599164	24.113321009	25.162705351
21	24.708389143	25.846079391	27.033551021	28.272868883	29.566178787
22	28.785273351	30.175297689	31.629254695	33.149938766	34.740260075
23	33.534843454	35.229660051	37.006227993	38.868303203	40.819805588
24	39.068092624	41.130628110	43.297286752	45.573085505	47.963271566
25	45.514327907	48.020008318	50.657825500	53.434442755	56.356844090
26	53.024192012	56.063359712	59.269655835	62.651884130	66.219291806
27	61.773183694	65.453972464	69.345497327	73.459334143	77.807667872
28	71.965759003	76.417512851	81.134231873	86.131069282	91.424009750
29	83.840109239	89.217446254	94.927051291	100.988678733	107.423211456
30	97.673727263	104.161368501	111.064650010	118.409225815	126.222273461
31	113.789892261	121.608397725	129.945640512	138.834817268	148.311171316
32	132.565224484	141.977804344	152.036399399	162.783823247	174.265626297
33	154.438486524	165.759086572	177.882587297	190.864032757	204.762110899
34	179.920836801	193.523733573	208.122627138	223.788078407	240.595480306
35	209.607774873	225.938958946	243.503473751	262.391521933	282.699689359
36	244.193057727	263.783734570	284.899064289	307.654059466	332.172134997
37	284.484912252	307.967510110	333.331905218	360.724384724	390.302258622
38	331.424922773	359.552068054	389.998329105	422.949341089	458.605153881
39	386.110035031	419.777039452	456.298045052	495.908102427	538.861055810
40	449.818190811	490.089693561	533.868712711	581.452250095	633.161740577
41	524.038192295	572.179717232	624.626393872	681.752763237	743.965045177
42	610.504494024	668.019819869	730.812880830	799.355114895	874.158928084
43	711.237735538	779.913139697	855.051070572	937.243872215	1027.136740498
44	828.591961901	910.548590596	1000.409752569	1098.918440172	1206.885670085
45	965.309635615	1063.065479521	1170.479410505	1288.481871101	1418.090662350
46	1124.585725492	1241.128947340	1369.460910291	1510.744993866	1666.256528262
47	1310.142370198	1449.018046020	1602.269265041	1771.348505308	1957.851420207
48	1526.315861280	1691.728568728	1874.655040098	2076.906122474	2300.475419331
49	1778.157978392	1975.093103990	2193.346396915	2435.172428601	2703.058617714
50	2071.554044826	2305.921198908	2566.215284390	2855.239672534	3176.093875814

t \ p	0.1775	0.18	0.1825	0.185	0.1875
1	1.177500000	1.180000000	1.182500000	1.185000000	1.187500000
2	1.386506250	1.392400000	1.398306250	1.404225000	1.410156250
3	1.632611109	1.643032000	1.653497141	1.664006625	1.674560547
4	1.922399581	1.938777760	1.955260369	1.971847851	1.988540649
5	2.263625507	2.287757757	2.312095386	2.336639703	2.361392021
6	2.665419034	2.699554153	2.734052794	2.768918048	2.804153025
7	3.138530913	3.185473901	3.233017429	3.281167887	3.329931717
8	3.695620150	3.758859203	3.823043110	3.888183946	3.954293914
9	4.351592727	4.435453859	4.520748477	4.607497976	4.695274023
10	5.124000436	5.233835554	5.345785074	5.459885102	5.576172278
11	6.033510513	6.175925953	6.321390850	6.469963845	6.621704580
12	7.104458629	7.287592625	7.475044681	7.666907157	7.863274188
13	8.365500036	8.599359298	8.839240335	9.085284981	9.337638099
14	9.850376292	10.147243971	10.452401696	10.766062702	11.088445242
15	11.598818084	11.973747886	12.359965006	12.757784302	13.167528725
16	13.657608294	14.129022506	14.615658619	15.117974398	15.636440361
17	16.081833766	16.672246556	17.283016317	17.914799662	18.568727292
18	18.936359260	19.673250937	20.437166795	21.229037599	22.049824103
19	22.297563028	23.214436105	24.166949735	25.156409555	26.184166122
20	26.255380466	27.393034604	28.577418062	29.810345323	31.093697270
21	30.915710499	32.323780833	33.792796858	35.325259207	36.923765509
22	36.403249112	38.142061383	39.959982284	41.860432161	43.846971542
23	42.864825830	45.007632432	47.252679051	49.604612110	52.068278706
24	50.473332414	53.109006270	55.876292978	58.781465351	61.831080963
25	59.432348918	62.668627398	66.073716447	69.656036441	73.424408643
26	69.981590851	73.948980330	78.132169698	82.542403182	87.191485264
27	82.403323227	87.259796789	92.391290668	97.812747771	103.539888751
28	97.029913100	102.966560211	109.252701215	115.908106108	122.953617892
29	114.252722675	121.500541049	129.191319187	137.351105738	146.007421247
30	134.532580950	143.370638438	152.768734938	162.761060300	173.383812730
31	158.412114069	169.177353357	180.649029065	192.871856456	205.893277617
32	186.530264316	199.629276961	213.617476869	228.553149900	244.498267171
33	219.639386232	235.562546814	252.602666398	270.835482631	290.341692265
34	258.625377288	277.963805240	298.702653015	320.940046918	344.780759565
35	304.531381756	327.997290184	353.215887190	380.313955598	409.427151983
36	358.585702018	387.036802417	417.677786603	450.672037384	486.194742980
37	422.234664127	456.703426852	493.903982658	534.046364300	577.356257289
38	497.181317009	538.910043685	584.041459493	632.844941695	685.610555531
39	585.431000778	635.913851548	690.629025850	749.921255909	814.162534692
40	689.345003416	750.378344827	816.668823068	888.656688252	966.818009947
41	811.703741523	885.446446896	965.710883277	1053.058175579	1148.096386812
42	955.781155643	1044.826807337	1141.953119475	1247.873938061	1363.364459340
43	1125.432310769	1232.895632658	1350.359563780	1478.730616602	1618.995295466
44	1325.196545931	1454.816846537	1596.800184170	1752.295780673	1922.556913366
45	1560.418932834	1716.683878913	1888.216217781	2076.470500098	2283.036334622
46	1837.393293412	2025.686977118	2232.815677525	2460.617542616	2711.105647364
47	2163.530602992	2390.310632999	2640.304538674	2915.831788000	3219.435295244
48	2547.557285023	2820.566546939	3122.160116982	3455.260668779	3823.082573040
49	2999.748703115	3328.268525388	3691.954338331	4094.483892504	4539.910555485
50	3532.204097918	3927.356859957	4365.736005076	4851.963412617	5391.143784638

t \ p	0.19	0.1925	0.195	0.1975	0.2
1	1.190000000	1.192500000	1.195000000	1.197500000	1.200000000
2	1.416100000	1.422056250	1.428025000	1.434006250	1.440000000
3	1.685159000	1.695802078	1.706489875	1.717222484	1.728000000
4	2.005339210	2.022243978	2.039255401	2.056373925	2.073600000
5	2.386353660	2.411525944	2.436910204	2.462507775	2.488320000
6	2.839760855	2.875744688	2.912107693	2.948853061	2.985984000
7	3.379315418	3.429325541	3.479968694	3.531251540	3.583180800
8	4.021385347	4.089470707	4.158562589	4.228673720	4.299816960
9	4.785448563	4.876693818	4.969482294	5.063836779	5.159780352
10	5.694683790	5.815457378	5.938531341	6.063944543	6.191736422
11	6.776673710	6.934932924	7.096544953	7.261573590	7.430083707
12	8.064241715	8.269907512	8.480371218	8.695734374	8.916100448
13	9.596447641	9.861864708	10.134043606	10.413141913	10.699320538
14	11.419772693	11.760273664	12.110182109	12.469737441	12.839184645
15	13.589529505	14.024126344	14.471667620	14.932510586	15.407021575
16	16.171540110	16.723770665	17.293642806	17.881681427	18.488425890
17	19.244132731	19.943096518	20.665903154	21.413313508	22.186111067
18	22.900517950	23.782142598	24.695754269	25.642442926	26.623333281
19	27.251616361	28.360205048	29.511426351	30.706825404	31.947999937
20	32.429423469	33.819544520	35.266154490	36.771423422	38.337599924
21	38.591013929	40.329806840	42.143054615	44.033779547	46.005119909
22	45.923306575	48.093294657	50.360950265	52.730451008	55.206143891
23	54.648734824	57.351253878	60.181335567	63.144715082	66.247372669
24	65.031994441	68.391370250	71.916696002	75.615796311	79.496847203
25	77.388073385	81.556709023	85.940451722	90.549916082	95.396216644
26	92.091807328	97.256375510	102.698839808	108.433524509	114.475459973
27	109.589250720	115.978227795	122.725113571	129.849145599	137.370551967
28	130.411208357	138.304036646	146.656510717	155.494351855	164.844662361
29	155.189337945	164.927563700	175.254530307	186.204486346	197.813594833
30	184.675312154	196.676119712	209.429163717	222.979872399	237.376313800
31	219.763621464	234.536272757	250.267850642	267.018397198	284.851576560
32	261.518709542	279.684505263	299.070081517	319.754530645	341.821891872
33	311.207264355	333.523772526	357.388747413	382.906050447	410.186270246
34	370.336644582	397.727098737	427.079553158	458.529995411	492.223524295
35	440.700607053	474.289565244	510.360066024	549.089669504	590.668229154
36	524.433722392	565.590306553	609.880278899	657.534879231	708.801874985
37	624.076129647	674.466440565	728.806933284	787.398017880	850.562249982
38	742.650594280	804.301230374	870.924285275	942.909126411	1020.674699979
39	883.754207193	959.129127221	1040.754520903	1129.133678877	1224.809639974
40	1051.667506560	1143.761591536	1243.701652480	1352.137580455	1469.771567969
41	1251.484332806	1363.935697906	1486.223474713	1619.184752595	1763.725881563
42	1489.266356039	1626.493319753	1776.037052282	1938.973741233	2116.471057876
43	1772.226963687	1939.593283806	2122.364277477	2321.921055126	2539.765269451
44	2108.950086787	2312.964990938	2536.225311585	2780.500463513	3047.718323341
45	2509.650603277	2758.210751694	3030.789247344	3329.649305057	3657.261988009
46	2986.484217900	3289.166321395	3621.793150576	3987.255042806	4388.714385611
47	3553.916219301	3939.593283806	4328.042814939	4774.737913760	5266.457262733
48	4229.160300968	4677.379524629	5172.011163852	5717.748651728	6319.748715279
49	5032.700758152	5577.775083121	6180.553340803	6847.004010444	7583.698458335
50	5988.913902201	6651.496786621	7385.761242259	8199.287302507	9100.438150002

3.2 Druga finansijska tablica

$$II_p^t := \frac{1}{I_p^t}$$

3 Finansijske tablice

t \ p	0.0025	0.005	0.0075	0.01	0.0125
1	0.997506234	0.995024876	0.992555831	0.990099010	0.987654321
2	0.995018688	0.990074503	0.985167078	0.980296049	0.975461058
3	0.992537344	0.985148759	0.977833328	0.970590148	0.963418329
4	0.990062189	0.980247522	0.970554172	0.960980344	0.951524275
5	0.987593206	0.975370668	0.963329203	0.951465688	0.939777062
6	0.985130380	0.970518078	0.956158018	0.942045235	0.928174876
7	0.982673696	0.965689630	0.949040216	0.932718055	0.916715927
8	0.980223138	0.960885204	0.941975401	0.923483222	0.905398446
9	0.977778691	0.956104680	0.934963177	0.914339824	0.894220688
10	0.975340340	0.951347941	0.928003153	0.905286955	0.883180926
11	0.972908070	0.946614866	0.921094941	0.896323718	0.872277458
12	0.970481865	0.941905340	0.914238155	0.887449225	0.861508600
13	0.968061711	0.937219243	0.907432412	0.878662599	0.850872692
14	0.965647592	0.932556461	0.900677332	0.869962970	0.840368091
15	0.963239493	0.927916877	0.893972538	0.861349475	0.829993176
16	0.960837400	0.923300375	0.887317655	0.852821262	0.819746347
17	0.958441297	0.918706841	0.880712313	0.844377487	0.809626021
18	0.956051169	0.914136160	0.874156142	0.836017314	0.799630638
19	0.953667001	0.909588219	0.867648776	0.827739915	0.789758655
20	0.951288779	0.905062904	0.861189852	0.819544470	0.780008548
21	0.948916488	0.900560104	0.854779010	0.811430169	0.770378813
22	0.946550113	0.896079705	0.848415891	0.803396207	0.760867964
23	0.944189639	0.891621597	0.842100139	0.795441789	0.751474532
24	0.941835051	0.887185669	0.835831404	0.787566127	0.742197069
25	0.939486335	0.882771810	0.829609334	0.779768443	0.733034142
26	0.937143477	0.878379910	0.823433582	0.772047963	0.723984338
27	0.934806460	0.874009861	0.817303804	0.764403924	0.715046259
28	0.932475272	0.869661553	0.811219656	0.756835568	0.706218528
29	0.930149897	0.865334879	0.805180800	0.749342147	0.697499781
30	0.927830322	0.861029730	0.799186898	0.741922918	0.688888672
31	0.925516530	0.856746000	0.793237616	0.734577146	0.680383874
32	0.923208509	0.852483582	0.787332622	0.727304105	0.671984073
33	0.920906243	0.848242370	0.781471585	0.720103075	0.663687973
34	0.918609719	0.844022259	0.775654178	0.712973341	0.655494294
35	0.916318922	0.839823143	0.769880078	0.705914199	0.647401772
36	0.914033837	0.835644919	0.764148961	0.698924950	0.639409158
37	0.911754451	0.831487481	0.758460507	0.692004901	0.631515218
38	0.909480749	0.827350728	0.752814399	0.685153367	0.623718733
39	0.907212717	0.823234555	0.747210321	0.678369670	0.616018502
40	0.904950342	0.819138861	0.741647962	0.671653139	0.608413335
41	0.902693608	0.815063543	0.736127009	0.665003108	0.600902060
42	0.900442501	0.811008500	0.730647155	0.658418919	0.593483516
43	0.898197009	0.806973632	0.725208095	0.651899919	0.586156559
44	0.895957116	0.802958838	0.719809523	0.645445465	0.578920058
45	0.893722809	0.798964018	0.714451140	0.639054916	0.571772897
46	0.891494074	0.794989073	0.709132645	0.632727639	0.564713972
47	0.889270897	0.791033903	0.703853742	0.626463009	0.557421295
48	0.887053263	0.787098411	0.698614136	0.620260405	0.550856489
49	0.884841161	0.783182499	0.693413534	0.614119213	0.544055791
50	0.882634574	0.779286068	0.688251647	0.608038825	0.537339053

t \ p	0.015	0.0175	0.02	0.0225	0.025
1	0.985221675	0.982800983	0.980392157	0.977995110	0.975609756
2	0.970661749	0.965897772	0.961168781	0.956474435	0.951814396
3	0.956316994	0.949285279	0.942322335	0.935427321	0.928599411
4	0.942184230	0.932958506	0.923845426	0.914843345	0.905950645
5	0.928260325	0.916912536	0.905730810	0.894712318	0.883854288
6	0.914542193	0.901142542	0.887971382	0.875024272	0.862296866
7	0.901026791	0.885643776	0.870560179	0.855769459	0.841265235
8	0.887711124	0.870411573	0.853490371	0.836938346	0.820746571
9	0.874592240	0.855441349	0.836755266	0.818521610	0.800728362
10	0.861667232	0.840728599	0.820348300	0.800510132	0.781198402
11	0.848933233	0.826268893	0.804263039	0.782894995	0.762144782
12	0.836387422	0.812057880	0.788493176	0.765667477	0.743555885
13	0.824027017	0.798091283	0.773032525	0.748819048	0.725420376
14	0.811849277	0.784364897	0.757875025	0.732341367	0.707727196
15	0.799851505	0.770874592	0.743014730	0.716226276	0.690465557
16	0.788031039	0.757616307	0.728445814	0.700465796	0.673624934
17	0.776385260	0.744586051	0.714162562	0.685052123	0.657195057
18	0.764911587	0.731779902	0.700159375	0.669977626	0.641165909
19	0.753607474	0.719194007	0.686430760	0.655234842	0.625527716
20	0.742470418	0.706824577	0.672971333	0.640816472	0.610270943
21	0.731497949	0.694667889	0.659775817	0.626715376	0.595386286
22	0.720687634	0.682720284	0.646839036	0.612924573	0.580864669
23	0.710037078	0.670978166	0.634155918	0.599437235	0.566697238
24	0.699543920	0.659438001	0.621721488	0.586246685	0.552875354
25	0.689205832	0.648096316	0.609530871	0.573346391	0.539390589
26	0.679020524	0.636949696	0.597579285	0.560729967	0.526234721
27	0.668985738	0.625994787	0.585862044	0.548391165	0.513399728
28	0.659099249	0.615228292	0.574374553	0.536323878	0.500877784
29	0.649358866	0.604646970	0.563112307	0.524522130	0.488661252
30	0.639762430	0.594247636	0.552070889	0.512980078	0.476742685
31	0.630307813	0.584027161	0.541245970	0.501692008	0.465114815
32	0.620992919	0.573982468	0.530633304	0.490652331	0.453770551
33	0.611815684	0.564110534	0.520228729	0.479855580	0.442702977
34	0.602774073	0.554408387	0.510028166	0.469296411	0.431905343
35	0.593866081	0.544873107	0.500027613	0.458969595	0.421371066
36	0.585089735	0.535501826	0.490223150	0.448870020	0.411093723
37	0.576443089	0.526291720	0.480610932	0.438992684	0.401067047
38	0.567924226	0.517240020	0.471187188	0.429332699	0.391284924
39	0.559531257	0.508344000	0.461948223	0.419885280	0.381741389
40	0.551262322	0.499600983	0.452890415	0.410645750	0.372430624
41	0.543115588	0.491008337	0.444010211	0.401609536	0.363346950
42	0.535089249	0.482563476	0.435304128	0.392772162	0.354484829
43	0.527181526	0.474263859	0.426768753	0.384129254	0.345838858
44	0.519390666	0.466106986	0.418400739	0.375676532	0.337403764
45	0.511714942	0.458090404	0.410196803	0.367409811	0.329174404
46	0.504152653	0.450211700	0.402153728	0.359324999	0.321145760
47	0.496702121	0.442468501	0.394268361	0.351418092	0.313312936
48	0.489361695	0.434858477	0.386537609	0.343685175	0.305671157
49	0.482129749	0.427379339	0.378958440	0.336122421	0.298215763
50	0.475004679	0.420028834	0.371527882	0.328726084	0.290942208

t \ p	0.0275	0.03	0.0325	0.035	0.0375
1	0.973236010	0.970873786	0.968523002	0.966183575	0.963855422
2	0.947188331	0.942595909	0.938036806	0.933510700	0.929017274
3	0.921837791	0.915141659	0.908510224	0.901942706	0.895438336
4	0.897165734	0.888487048	0.879913050	0.871442228	0.863073095
5	0.873153999	0.862608784	0.852216029	0.841973167	0.831877682
6	0.849784914	0.837484257	0.825390827	0.813500644	0.801809814
7	0.827041278	0.813091511	0.799410002	0.785990961	0.772828737
8	0.804906354	0.789409234	0.774246975	0.759411556	0.744895168
9	0.783363848	0.766416732	0.749876005	0.733730972	0.717971246
10	0.762397906	0.744093915	0.726272160	0.708918814	0.692020478
11	0.741993095	0.722421277	0.703411293	0.684945714	0.667007690
12	0.722134399	0.701379880	0.681270017	0.661783298	0.642898978
13	0.702807201	0.680951340	0.659825683	0.639404153	0.619661666
14	0.683997276	0.661117806	0.639056351	0.617781790	0.597264256
15	0.665690780	0.641861947	0.618940776	0.596890619	0.575676391
16	0.647874238	0.623166939	0.599458379	0.576705912	0.554868811
17	0.630534538	0.605016446	0.580589229	0.557203779	0.534813312
18	0.613658918	0.587394608	0.562314023	0.538361140	0.515482710
19	0.597234957	0.570286027	0.544614066	0.520155690	0.496850805
20	0.581250566	0.553675754	0.527471250	0.502565884	0.478892342
21	0.565693982	0.537549276	0.510868039	0.485570903	0.461582980
22	0.550553754	0.521892501	0.494787447	0.469150631	0.444899258
23	0.535818738	0.506691748	0.479213024	0.453285634	0.428818562
24	0.521478091	0.491933736	0.464128836	0.437957134	0.413319096
25	0.507521256	0.477605569	0.449519454	0.423146989	0.398379852
26	0.493937962	0.463694727	0.435369931	0.408837671	0.383980580
27	0.480718211	0.450189056	0.421665793	0.395012242	0.370101764
28	0.467852274	0.437076753	0.408393020	0.381654340	0.356724591
29	0.455330680	0.424346362	0.395538034	0.368748155	0.343830932
30	0.443144214	0.411986760	0.383087684	0.356278411	0.331403307
31	0.431283907	0.399987145	0.371029234	0.344230348	0.319424875
32	0.419741029	0.388337034	0.359350348	0.332589709	0.307879397
33	0.408507084	0.377026247	0.348039078	0.321342714	0.296751226
34	0.397573804	0.366044900	0.337083853	0.310476052	0.286025278
35	0.386933143	0.355383398	0.326473465	0.299976862	0.275687015
36	0.376577268	0.345032425	0.316197060	0.289832717	0.265722424
37	0.366498558	0.334982937	0.306244126	0.280031610	0.256117999
38	0.356689594	0.325226152	0.296604481	0.270561942	0.246860722
39	0.347143157	0.315753546	0.287268262	0.261412505	0.237938046
40	0.337852221	0.306556841	0.278225920	0.252572468	0.229337875
41	0.328809947	0.297628001	0.269468203	0.244031370	0.221048554
42	0.320009681	0.288959224	0.260986153	0.235779102	0.213058848
43	0.311444945	0.280542936	0.252771093	0.227805895	0.205357925
44	0.303109436	0.272371782	0.244814618	0.220102314	0.197935350
45	0.294997018	0.264438624	0.237108589	0.212659241	0.190781060
46	0.287101720	0.256736528	0.229645122	0.205467866	0.183885359
47	0.279417733	0.249258765	0.222416583	0.198519677	0.177238900
48	0.271939399	0.241998801	0.215415577	0.191806451	0.170832675
49	0.264661216	0.234950292	0.208634941	0.185320243	0.164658000
50	0.257577826	0.228107080	0.202067740	0.179053375	0.158706506

t \ p	0.04	0.0425	0.045	0.0475	0.05
1	0.961538462	0.959232614	0.956937799	0.954653938	0.952380952
2	0.924556213	0.920127208	0.915729951	0.911364141	0.907029478
3	0.888996359	0.882616026	0.876296604	0.870037366	0.863837599
4	0.854804191	0.846634078	0.838561344	0.830584598	0.822702475
5	0.821927107	0.812119020	0.802451047	0.792920857	0.783526166
6	0.790314526	0.779011050	0.767895738	0.756965019	0.746215397
7	0.759917813	0.747252806	0.734828458	0.722639636	0.710681330
8	0.730690205	0.716789262	0.703185127	0.689870774	0.676839362
9	0.702586736	0.687567638	0.672904428	0.658587851	0.644608916
10	0.675564169	0.659537302	0.643927682	0.628723486	0.613913254
11	0.649580932	0.632649690	0.616198739	0.600213352	0.584679289
12	0.624597050	0.606858216	0.589663865	0.572996040	0.556837418
13	0.600574086	0.582118193	0.564271641	0.547012926	0.530321351
14	0.577475083	0.558386756	0.539972862	0.522208044	0.505067953
15	0.555264503	0.535622787	0.516720442	0.498527965	0.481017098
16	0.533908176	0.513786847	0.494469323	0.475921685	0.458111522
17	0.513373246	0.492841100	0.473176385	0.454340511	0.436296688
18	0.493628121	0.472749256	0.452800369	0.433737958	0.415520655
19	0.474642424	0.453476505	0.433301788	0.414069650	0.395733957
20	0.456386946	0.434989453	0.414642860	0.395293222	0.376889483
21	0.438833602	0.417256070	0.396787426	0.377368231	0.358942365
22	0.421955387	0.400245631	0.379700886	0.360256067	0.341849871
23	0.405726333	0.383928663	0.363350130	0.343919873	0.325571306
24	0.390121474	0.368276895	0.347703474	0.328324462	0.310067910
25	0.375116802	0.353263208	0.332730597	0.313436240	0.295302772
26	0.360689233	0.338861591	0.318402485	0.299223141	0.281240735
27	0.346816570	0.325047089	0.304691373	0.285654550	0.267848319
28	0.333477471	0.311795769	0.291570692	0.272701241	0.255093637
29	0.320651415	0.299084671	0.279015016	0.260335313	0.242946321
30	0.308318668	0.286891770	0.267000016	0.248530132	0.231377449
31	0.296460258	0.275195943	0.255502407	0.237260269	0.220359475
32	0.285057940	0.263976924	0.244499911	0.226501451	0.209866167
33	0.274094173	0.253215274	0.233971207	0.216233052	0.199872540
34	0.263552090	0.242892350	0.223895892	0.206425300	0.190354800
35	0.253415471	0.232990263	0.214254442	0.197064725	0.181290285
36	0.243668722	0.223491859	0.205028174	0.188128616	0.172657415
37	0.234296848	0.214380680	0.196199210	0.179597724	0.164435633
38	0.225285431	0.205640941	0.187750440	0.171453675	0.156605365
39	0.216620606	0.197257497	0.179665493	0.163678926	0.149147966
40	0.208289045	0.189215824	0.171928701	0.156256731	0.142045682
41	0.200277928	0.181501990	0.164525073	0.149171104	0.135281602
42	0.192574930	0.174102628	0.157440261	0.142406782	0.128839621
43	0.185168202	0.167004919	0.150660537	0.135949195	0.122704401
44	0.178046348	0.160196565	0.144172763	0.129784434	0.116861334
45	0.171198412	0.153665770	0.137964366	0.123899221	0.111296509
46	0.164613858	0.147401218	0.132023317	0.118280879	0.105996675
47	0.158282555	0.141392056	0.126338102	0.112917307	0.100949214
48	0.152194765	0.135627871	0.120897706	0.107796952	0.096142109
49	0.146341120	0.130098677	0.115691584	0.102908785	0.091563913
50	0.140712615	0.124794894	0.110709650	0.098242277	0.087203727

t \ p	0.0525	0.055	0.0575	0.06	0.0625
1	0.950118765	0.947867299	0.945626478	0.943396226	0.941176471
2	0.902725667	0.898452416	0.894209435	0.889996440	0.885813149
3	0.857696596	0.851613664	0.845588118	0.839619283	0.833706493
4	0.814913630	0.807216743	0.799610514	0.792093663	0.784664935
5	0.774264732	0.765134354	0.756132873	0.747258173	0.738508174
6	0.735643451	0.725245833	0.715019266	0.704966054	0.695066516
7	0.698948647	0.687436809	0.676141150	0.665057114	0.654180251
8	0.664084225	0.651598871	0.639376974	0.627412371	0.615699060
9	0.630958884	0.617629261	0.604611795	0.591898464	0.579481468
10	0.599485875	0.585430579	0.571736922	0.558394777	0.545394323
11	0.569582779	0.554910502	0.540649572	0.526787525	0.513312304
12	0.541171287	0.525981518	0.511252550	0.496969364	0.483117462
13	0.514176995	0.498560681	0.483453948	0.468839022	0.454698788
14	0.488529211	0.472569366	0.457166854	0.442300964	0.427951800
15	0.464160771	0.447933048	0.432309082	0.417265061	0.402778165
16	0.441007858	0.424581088	0.408802914	0.393646284	0.379085332
17	0.419009841	0.402446529	0.386574860	0.371364419	0.356786195
18	0.398109113	0.381465904	0.365555423	0.350343791	0.335798772
19	0.378250939	0.361579056	0.345678887	0.330513010	0.316045903
20	0.359383315	0.342728963	0.326883108	0.311804727	0.297454967
21	0.341456831	0.324861577	0.309109322	0.294155403	0.279957616
22	0.324424542	0.307925665	0.292301960	0.277505097	0.263489521
23	0.308241846	0.291872668	0.276408472	0.261797261	0.247990137
24	0.292866362	0.276656558	0.261379170	0.246978548	0.233402482
25	0.278257826	0.262233704	0.247167064	0.232998631	0.219672925
26	0.264377982	0.248562753	0.233727720	0.219810029	0.206750988
27	0.251190481	0.235604505	0.221019121	0.207367952	0.194589165
28	0.238660790	0.223321805	0.209001533	0.195630143	0.183142744
29	0.226756095	0.211679436	0.197637383	0.184556739	0.172369641
30	0.215445221	0.200644016	0.186891142	0.174110131	0.162230250
31	0.204698547	0.190183901	0.176729213	0.164254840	0.152687294
32	0.194487931	0.180269101	0.167119823	0.154957397	0.143705689
33	0.184786633	0.170871185	0.158032929	0.146186223	0.135252413
34	0.175569247	0.161963209	0.149440122	0.137911531	0.127296389
35	0.166811636	0.153519629	0.141314536	0.130105218	0.119808366
36	0.158490866	0.145516236	0.133630767	0.122740772	0.112760815
37	0.150585146	0.137930082	0.126364792	0.115793181	0.106127826
38	0.143073773	0.130739414	0.119493893	0.109238850	0.099885013
39	0.135937076	0.123923615	0.112996589	0.103055519	0.094009424
40	0.129156367	0.117463142	0.106852567	0.097222188	0.088479457
41	0.122713888	0.111339471	0.101042616	0.091719045	0.083274784
42	0.116592767	0.105535044	0.095548573	0.086527401	0.078376267
43	0.110776976	0.100033217	0.090353261	0.081629624	0.073765898
44	0.105251284	0.094818215	0.085440436	0.077009079	0.069426728
45	0.100001220	0.089875085	0.080794738	0.072650074	0.065342803
46	0.095013035	0.085189654	0.076401644	0.068537806	0.061499108
47	0.090273668	0.080748488	0.072247417	0.064658308	0.057881514
48	0.085770706	0.076538851	0.068319071	0.060998403	0.054476719
49	0.081492357	0.072548674	0.064604322	0.057545664	0.051272206
50	0.077427418	0.068766515	0.061091558	0.054288362	0.048256194

t \ p	0.065	0.0675	0.07	0.0725	0.075
1	0.938967136	0.936768150	0.934579439	0.932400932	0.930232558
2	0.881659283	0.877534567	0.873438728	0.869371499	0.865332612
3	0.827849092	0.822046432	0.816297877	0.810602796	0.804960570
4	0.777323091	0.770066916	0.762895212	0.755806803	0.748800530
5	0.729880837	0.721374160	0.712986179	0.704714968	0.696558632
6	0.685334119	0.675760337	0.666342224	0.657076893	0.647961518
7	0.643506215	0.633030761	0.622749742	0.612659108	0.602754901
8	0.604231188	0.593003055	0.582009105	0.571243923	0.560702233
9	0.567353228	0.555506374	0.543933743	0.532628367	0.521583473
10	0.532726036	0.520380678	0.508349292	0.496623186	0.485193928
11	0.500212240	0.487476045	0.475092796	0.463051921	0.451343189
12	0.469682854	0.456652033	0.444011959	0.431750043	0.419854129
13	0.441016765	0.427777080	0.414964448	0.402564143	0.390561981
14	0.414100249	0.400727944	0.387817241	0.375351182	0.363313471
15	0.388826524	0.375389175	0.362446020	0.349977792	0.337966019
16	0.365095328	0.351652623	0.338734598	0.326319620	0.314386995
17	0.342812515	0.329416977	0.316574390	0.304260718	0.292453018
18	0.321889685	0.308587332	0.295863916	0.283692977	0.272049319
19	0.302243836	0.289074784	0.276508333	0.264515596	0.253069134
20	0.283797029	0.270796051	0.258419003	0.246634589	0.235413148
21	0.266476083	0.253673115	0.241513087	0.229962320	0.218988975
22	0.250212285	0.237632895	0.225713165	0.214417082	0.203710674
23	0.234941113	0.222606927	0.210946883	0.199922687	0.189498302
24	0.220601984	0.208531079	0.197146620	0.186408100	0.176277490
25	0.207138013	0.195345273	0.184249178	0.173807086	0.163979060
26	0.194495787	0.182993230	0.172195493	0.162057889	0.152538661
27	0.182625152	0.171422230	0.160930367	0.151102927	0.141896429
28	0.171479016	0.160582885	0.150402212	0.140888510	0.131996678
29	0.161013160	0.150428932	0.140562815	0.131364578	0.122787607
30	0.151186066	0.140917033	0.131367117	0.122484455	0.114221030
31	0.141958748	0.132006588	0.122773007	0.114204620	0.106252121
32	0.133294599	0.123659567	0.114741128	0.106484494	0.098839182
33	0.125159248	0.115840344	0.107234699	0.099286242	0.091943425
34	0.117520420	0.108515545	0.100219345	0.092574584	0.085528768
35	0.110347812	0.101653906	0.093662939	0.086316629	0.079561644
36	0.103612969	0.095226141	0.087535457	0.080481705	0.074010832
37	0.097289173	0.089204816	0.081808838	0.075041217	0.068847286
38	0.091351336	0.083564231	0.076456858	0.069968501	0.064043987
39	0.085775903	0.078280310	0.071455008	0.065238695	0.059575802
40	0.080540754	0.073330501	0.066780381	0.060828620	0.055419350
41	0.075625121	0.068693678	0.062411571	0.056716662	0.051552884
42	0.071009503	0.064350049	0.058328571	0.052882669	0.047956171
43	0.066675590	0.060281077	0.054512683	0.049307850	0.044610392
44	0.062606188	0.056469393	0.050946433	0.045974685	0.041498039
45	0.058785153	0.052898729	0.047613489	0.042866839	0.038602827
46	0.055197326	0.049553844	0.044498588	0.039969081	0.035909606
47	0.051828476	0.046420463	0.041587465	0.037267208	0.033404285
48	0.048665235	0.043485211	0.038866790	0.034747980	0.031073753
49	0.045695057	0.040735561	0.036324103	0.032399049	0.028905817
50	0.042906156	0.038159776	0.033947759	0.030208903	0.026889132

t \ p	0.0775	0.08	0.0825	0.085	0.0875
1	0.928074246	0.925925926	0.923787529	0.921658986	0.919540230
2	0.861321806	0.857338820	0.853383398	0.849455287	0.845554234
3	0.799370586	0.793832241	0.788344941	0.782908098	0.777521135
4	0.741875253	0.735029853	0.728263225	0.721574284	0.714961963
5	0.688515316	0.680583197	0.672760485	0.665045423	0.657436288
6	0.638993333	0.630169627	0.621487746	0.612945091	0.604539115
7	0.593033256	0.583490395	0.574122629	0.564926351	0.555898037
8	0.550378892	0.540268885	0.530367325	0.520669448	0.511170609
9	0.510792475	0.500248967	0.489946720	0.479879675	0.470041939
10	0.474053341	0.463193488	0.452606670	0.442285415	0.432222473
11	0.439956697	0.428882859	0.418112397	0.407636327	0.397445952
12	0.408312480	0.397113759	0.386247018	0.375701684	0.365467542
13	0.378944297	0.367697925	0.356810178	0.346268833	0.336062108
14	0.351688442	0.340461041	0.329616793	0.319141782	0.309022628
15	0.326392986	0.315241705	0.304495883	0.294139891	0.284158738
16	0.302916924	0.291890468	0.281289499	0.271096674	0.261295391
17	0.281129396	0.270268951	0.259851731	0.249858686	0.240071624
18	0.260908952	0.250249029	0.240047789	0.230284503	0.220939425
19	0.242142879	0.231712064	0.221753153	0.212243781	0.203162689
20	0.224726570	0.214548207	0.204852798	0.195616388	0.186816266
21	0.208562942	0.198655748	0.189240460	0.180291602	0.171785072
22	0.193561895	0.183940507	0.174817977	0.166167375	0.157963285
23	0.179639810	0.170315284	0.161494667	0.153149655	0.145253595
24	0.166719081	0.157699337	0.149186759	0.141151755	0.133566524
25	0.154727686	0.146017905	0.137816867	0.130093784	0.122819793
26	0.143598780	0.135201764	0.127313503	0.119902105	0.112937740
27	0.133270330	0.125186818	0.117610627	0.110508852	0.103850796
28	0.123684761	0.115913721	0.108647230	0.101851477	0.095494984
29	0.114788641	0.107327519	0.100366956	0.093872329	0.087811480
30	0.106532381	0.099377333	0.092717743	0.086518276	0.080746188
31	0.098869959	0.092016049	0.085651494	0.079740346	0.074249369
32	0.091758663	0.085200045	0.079123782	0.073493407	0.068275282
33	0.085158852	0.078888931	0.073093563	0.067733589	0.062781868
34	0.079033737	0.073045306	0.067522922	0.062429363	0.057730453
35	0.073349176	0.067634543	0.062376833	0.057538583	0.053085474
36	0.068073481	0.062624577	0.057622941	0.053030952	0.048814229
37	0.063177245	0.057985719	0.053231354	0.048876454	0.044886648
38	0.058633174	0.053690481	0.049174461	0.045047423	0.041275078
39	0.054415939	0.049713408	0.045426754	0.041518362	0.037954095
40	0.050502031	0.046030933	0.041964669	0.038265771	0.034900317
41	0.046869635	0.042621235	0.038766438	0.035267992	0.032092246
42	0.043498501	0.039464106	0.035811952	0.032505062	0.029510111
43	0.040369838	0.036540839	0.033082634	0.029958582	0.027135734
44	0.037466207	0.033834110	0.030561325	0.027611597	0.024952399
45	0.034771422	0.031327880	0.028232171	0.025448476	0.022944735
46	0.032270461	0.029007296	0.026080527	0.023454817	0.021098607
47	0.029949384	0.026858607	0.024092866	0.021617343	0.019401018
48	0.027795252	0.024869081	0.022256689	0.019923818	0.017840016
49	0.025796058	0.023026927	0.020560452	0.018362966	0.016404613
50	0.023940657	0.021321229	0.018993489	0.016924393	0.015084701

t \ p	0.09	0.0925	0.095	0.0975	0.1
1	0.917431193	0.915331808	0.913242009	0.911161731	0.909090909
2	0.841679993	0.837832318	0.834010967	0.830215700	0.826446281
3	0.772183480	0.766894571	0.761653851	0.756460775	0.751314801
4	0.708425211	0.701962994	0.695574293	0.689258109	0.683013455
5	0.649931386	0.642529056	0.635227665	0.628025612	0.620921323
6	0.596267327	0.588127282	0.580116589	0.572232904	0.564473930
7	0.547034245	0.538331609	0.529786840	0.521396723	0.513158118
8	0.501866280	0.492752044	0.483823598	0.475076741	0.466507380
9	0.460427780	0.451031620	0.441848034	0.432871746	0.424097618
10	0.422410807	0.412843588	0.403514187	0.394416169	0.385543289
11	0.387532850	0.377888868	0.368506107	0.359376920	0.350493899
12	0.355534725	0.345893700	0.336535257	0.327450496	0.318630818
13	0.326178647	0.316607506	0.307338134	0.298360361	0.289664380
14	0.299246465	0.289800921	0.280674095	0.271854543	0.263331254
15	0.274538041	0.265264001	0.256323375	0.247703456	0.239392049
16	0.251869763	0.242804577	0.234085274	0.225697910	0.217629136
17	0.231073177	0.222246753	0.213776506	0.205647298	0.197846669
18	0.211993740	0.203429522	0.195229686	0.187377948	0.179858790
19	0.194489670	0.186205512	0.178291950	0.170731616	0.163507991
20	0.178430890	0.170439828	0.162823699	0.155564115	0.148643628
21	0.163698064	0.156008996	0.148697442	0.141744068	0.135130571
22	0.150181710	0.142799996	0.135796751	0.129151770	0.122845974
23	0.137781385	0.130709379	0.124015297	0.117678151	0.111678158
24	0.126404941	0.119642452	0.113255979	0.107223828	0.101525598
25	0.115967836	0.109512542	0.103430118	0.097698248	0.092295998
26	0.106392510	0.100240313	0.094456729	0.089018905	0.083905453
27	0.097607807	0.091753147	0.086261853	0.081110620	0.076277684
28	0.089548447	0.083984574	0.078777948	0.073904893	0.069343349
29	0.082154538	0.076873752	0.071943331	0.067339310	0.063039409
30	0.075371136	0.070364990	0.065701672	0.061357002	0.057308553
31	0.069147831	0.064407314	0.060001527	0.055906152	0.052098685
32	0.063438377	0.058954063	0.054795915	0.050939547	0.047362441
33	0.058200346	0.053962529	0.050041932	0.046414165	0.043056764
34	0.053394813	0.049393619	0.045700394	0.042290811	0.039142513
35	0.048986067	0.045211551	0.041735520	0.038533769	0.035584103
36	0.044941346	0.041383570	0.038114630	0.035110496	0.032349184
37	0.041230593	0.037879698	0.034807881	0.031991340	0.029408349
38	0.037826232	0.034672493	0.031788020	0.029149285	0.026734863
39	0.034702965	0.031736835	0.029030155	0.026559713	0.024304421
40	0.031837582	0.029049735	0.026511557	0.024200194	0.022094928
41	0.029208791	0.026590146	0.024211468	0.022050290	0.020086298
42	0.026797056	0.024338807	0.022110929	0.020091381	0.018260271
43	0.024584455	0.022278084	0.020192629	0.018306497	0.016600247
44	0.022554546	0.020391839	0.018440757	0.016680180	0.015091133
45	0.020692244	0.018665299	0.016840874	0.015198342	0.013719212
46	0.018983710	0.017084942	0.015379794	0.013848147	0.012472011
47	0.017416248	0.015638391	0.014045474	0.012617902	0.011338192
48	0.015978209	0.014314316	0.012826917	0.011496949	0.010307447
49	0.014658907	0.013102349	0.011714079	0.010475580	0.009370406
50	0.013448539	0.011992997	0.010697789	0.009544948	0.008518551

t \ p	0.1025	0.105	0.1075	0.11	0.1125
1	0.907029478	0.904977376	0.902934537	0.900900901	0.898876404
2	0.8227202475	0.818984050	0.815290779	0.811622433	0.807978791
3	0.746215397	0.741162036	0.736154202	0.731191381	0.726273070
4	0.676839362	0.670734875	0.664699054	0.658730974	0.652829726
5	0.613913254	0.606999887	0.600179732	0.593451328	0.586813237
6	0.556837418	0.549321164	0.541923009	0.534640836	0.527472572
7	0.505067953	0.497123226	0.489321001	0.481658411	0.474132649
8	0.458111522	0.449885272	0.441824832	0.433926496	0.426186651
9	0.415520655	0.407135993	0.398938900	0.390924771	0.383089125
10	0.376889483	0.368448862	0.360215711	0.352184479	0.344349775
11	0.341849871	0.333437884	0.325251206	0.317283314	0.309527888
12	0.310067910	0.301753742	0.293680548	0.285840824	0.278227315
13	0.281240735	0.273080309	0.265174309	0.257514256	0.250091968
14	0.255093637	0.247131501	0.239435042	0.231994825	0.224801769
15	0.231377449	0.223648418	0.216194169	0.209004347	0.202069006
16	0.209866167	0.202396758	0.195209182	0.188292204	0.181635062
17	0.190354800	0.183164487	0.176261112	0.169632616	0.163267471
18	0.172657415	0.165759717	0.159152246	0.152822177	0.146757277
19	0.156605365	0.150008793	0.143704060	0.137677637	0.131916654
20	0.142045682	0.135754564	0.129755359	0.124033907	0.118576767
21	0.128839621	0.122854809	0.117160595	0.111742259	0.106585858
22	0.116861334	0.111180823	0.105788347	0.100668701	0.095807513
23	0.105996675	0.100616129	0.095519952	0.090692524	0.086119113
24	0.096142109	0.091055321	0.086248264	0.081704976	0.077410439
25	0.087203727	0.082403005	0.077876536	0.073608087	0.069582417
26	0.079096351	0.074572855	0.070317414	0.066313592	0.062545993
27	0.071742722	0.067486747	0.063492022	0.059741975	0.056221117
28	0.065072764	0.061073979	0.057329139	0.053821599	0.050535835
29	0.059022915	0.055270569	0.051764460	0.048487927	0.045425470
30	0.053535524	0.050018615	0.046739919	0.043682817	0.040831883
31	0.048558298	0.045265715	0.042203087	0.039353889	0.036702816
32	0.044043808	0.040964448	0.038106625	0.035453954	0.032991296
33	0.039949032	0.037071898	0.034407788	0.031940499	0.029655097
34	0.036234950	0.033549229	0.031067980	0.028775225	0.026656267
35	0.032866168	0.030361293	0.028052352	0.025923626	0.023960690
36	0.029810583	0.027476284	0.025329437	0.023354618	0.021537698
37	0.027039077	0.024865415	0.022870824	0.021040196	0.019359729
38	0.024525240	0.022502638	0.020650857	0.018955132	0.017402004
39	0.022245116	0.020364378	0.018646372	0.017076695	0.015642250
40	0.020176976	0.018429302	0.016836453	0.015384410	0.014060450
41	0.018301112	0.016678101	0.015202215	0.013859829	0.012638607
42	0.016599648	0.015093304	0.013726605	0.012486332	0.011360545
43	0.015056370	0.013659099	0.012394226	0.011248948	0.010211726
44	0.013656571	0.012361175	0.011191174	0.010134187	0.009179080
45	0.012386913	0.011186584	0.010104898	0.009129899	0.008250858
46	0.011235295	0.010123605	0.009124061	0.008225134	0.007416502
47	0.010190744	0.009161634	0.008238430	0.007410031	0.00666518
48	0.009243305	0.008291071	0.007438763	0.006675703	0.005992376
49	0.008383950	0.007503232	0.006716716	0.006014147	0.005386405
50	0.007604490	0.006790255	0.006064755	0.005418150	0.004841713

t \ p	0.115	0.1175	0.12	0.1225	0.125
1	0.896860987	0.894854586	0.892857143	0.890868597	0.888888889
2	0.804359629	0.800764730	0.797193878	0.793646857	0.790123457
3	0.721398771	0.716567991	0.711780248	0.707035062	0.702331962
4	0.646994413	0.641224153	0.635518078	0.629875333	0.624295077
5	0.580264048	0.573802374	0.567426856	0.561136155	0.554928957
6	0.520416186	0.513469686	0.506631121	0.499898579	0.493270184
7	0.466740974	0.459480704	0.452349215	0.445343945	0.438462386
8	0.418601771	0.411168415	0.403883228	0.396742936	0.389744343
9	0.375427597	0.367935942	0.360610025	0.353445822	0.346439416
10	0.336706365	0.329249165	0.321973237	0.314873784	0.307946148
11	0.301978803	0.294630125	0.287476104	0.280511166	0.273729909
12	0.270833007	0.263651119	0.256675093	0.249898589	0.243315475
13	0.242899558	0.235929413	0.229174190	0.222626805	0.216280422
14	0.217847137	0.211122517	0.204619813	0.198331230	0.192249264
15	0.195378598	0.188923953	0.182696261	0.176687064	0.170888235
16	0.175227442	0.169059465	0.163121662	0.157404957	0.151900653
17	0.157154657	0.151283638	0.145644341	0.140227133	0.135022803
18	0.140945881	0.135376857	0.130039590	0.124923949	0.120020269
19	0.126408861	0.121142601	0.116106777	0.111290824	0.106684684
20	0.113371176	0.108405013	0.103666765	0.099145500	0.094830830
21	0.101678185	0.097006723	0.092559612	0.088325612	0.084294071
22	0.091191197	0.086806911	0.082642510	0.078686514	0.074928063
23	0.081785827	0.077679562	0.073787956	0.070099345	0.066602723
24	0.073350518	0.069511912	0.065882103	0.062449305	0.059202420
25	0.065785218	0.062203054	0.058823307	0.055634125	0.052624374
26	0.059000195	0.055662688	0.052520809	0.049562694	0.046777221
27	0.052914973	0.049810011	0.046893580	0.044153848	0.041579752
28	0.047457375	0.044572717	0.041869268	0.039335277	0.036959779
29	0.042562668	0.039886100	0.037383275	0.035042563	0.032853137
30	0.038172797	0.035692260	0.033377924	0.031218319	0.029202789
31	0.034235692	0.031939382	0.029801718	0.027811420	0.025958034
32	0.030704657	0.028581103	0.026608677	0.024776321	0.023073808
33	0.027537809	0.025575931	0.023757747	0.022072446	0.020510052
34	0.024697586	0.022886739	0.021212274	0.019666349	0.018231157
35	0.022150301	0.020480303	0.018939530	0.017517727	0.016205473
36	0.019865741	0.018326893	0.016910295	0.015605993	0.014404865
37	0.017816808	0.016399905	0.015098478	0.013902889	0.012804324
38	0.015979200	0.014675530	0.013480784	0.012385647	0.011381622
39	0.014331121	0.013132465	0.012036414	0.011033984	0.010116997
40	0.012853024	0.011751647	0.010746798	0.009829830	0.008992886
41	0.011527375	0.010516015	0.009595356	0.008757087	0.007993677
42	0.010338453	0.009410304	0.008567282	0.007801414	0.007105490
43	0.009272155	0.008420854	0.007649359	0.006950035	0.006315991
44	0.008315834	0.007535440	0.006829785	0.006191568	0.005614215
45	0.007458147	0.006743123	0.006098022	0.005515873	0.004990413
46	0.006688922	0.006034114	0.005444662	0.004913918	0.004435923
47	0.005999033	0.005399655	0.004861306	0.004377655	0.003943042
48	0.005380298	0.004831906	0.004340452	0.003899916	0.003504927
49	0.004825380	0.004323853	0.003875403	0.003474312	0.003115490
50	0.004327695	0.003869220	0.003460181	0.003095156	0.002769325

t \ p	0.1275	0.13	0.1325	0.135	0.1375
1	0.886917960	0.884955752	0.883002208	0.881057269	0.879120879
2	0.786623468	0.783146683	0.779692898	0.776261911	0.772853520
3	0.697670482	0.693050162	0.688470551	0.683931199	0.679431666
4	0.618776480	0.613318728	0.607921016	0.602582554	0.597302564
5	0.548803974	0.542759936	0.536795599	0.530909739	0.525101155
6	0.486744101	0.480318527	0.473991699	0.467761885	0.461627389
7	0.431702085	0.425060644	0.418535716	0.412125009	0.405826276
8	0.382884333	0.376159862	0.369567962	0.363105735	0.356770352
9	0.339586991	0.332884833	0.326329326	0.319916947	0.313644266
10	0.301185801	0.294588348	0.288149515	0.281865151	0.275731223
11	0.267127097	0.260697653	0.254436658	0.248339340	0.242401075
12	0.236919820	0.230705888	0.224668131	0.218801181	0.213099846
13	0.210128443	0.204164502	0.198382455	0.192776371	0.187340524
14	0.186366690	0.180676551	0.175172146	0.169847023	0.164694966
15	0.165291965	0.159890753	0.154677392	0.149644954	0.144786783
16	0.146600412	0.141496242	0.136580478	0.131845774	0.127285084
17	0.130022538	0.125217913	0.120600864	0.116163678	0.111898975
18	0.115319325	0.110812312	0.106490829	0.102346853	0.098372726
19	0.102278780	0.098063993	0.094031637	0.090173439	0.086481517
20	0.090712887	0.086782295	0.083030143	0.079447964	0.076027707
21	0.080454889	0.076798491	0.073315800	0.069998206	0.066837545
22	0.071356886	0.067963266	0.064738013	0.061672428	0.058758281
23	0.063287704	0.060144484	0.057163808	0.054336941	0.051655632
24	0.056131001	0.053225207	0.050475769	0.047873957	0.045411544
25	0.049783593	0.047101953	0.044570215	0.042179698	0.039922237
26	0.044153963	0.041683144	0.039355599	0.037162729	0.035096472
27	0.039160942	0.036887738	0.034751080	0.032742493	0.030854041
28	0.034732543	0.032644016	0.030685281	0.028848011	0.027124432
29	0.030804916	0.028888510	0.027095171	0.025416750	0.023845654
30	0.027321434	0.025565053	0.023925095	0.022393612	0.020963213
31	0.024231870	0.022623941	0.021125912	0.019730055	0.018429198
32	0.021491681	0.020021186	0.018654227	0.017383308	0.016201493
33	0.019061358	0.017717864	0.016471724	0.015315690	0.014243071
34	0.016905861	0.015679526	0.014544568	0.013494000	0.012521381
35	0.014994111	0.013875686	0.012842886	0.011888987	0.011007807
36	0.013298547	0.012279369	0.011340297	0.010474878	0.009677193
37	0.011794720	0.010866698	0.010013507	0.009228968	0.008507423
38	0.010460949	0.009616547	0.008841949	0.008131249	0.007479053
39	0.009278003	0.008510218	0.007807460	0.007164096	0.006574991
40	0.008228828	0.007531167	0.006894005	0.006311979	0.005780212
41	0.007298295	0.006664749	0.006087421	0.005561215	0.005081505
42	0.006472989	0.005898008	0.005375206	0.004899749	0.004467257
43	0.005741010	0.005219476	0.004746319	0.004316959	0.003927259
44	0.005091805	0.004619006	0.004191010	0.003803488	0.003452536
45	0.004516013	0.004087616	0.003700671	0.003351091	0.003035196
46	0.004005333	0.003617359	0.003267701	0.002952503	0.002668304
47	0.003552402	0.003201203	0.002885387	0.002601324	0.002345762
48	0.003150689	0.002832923	0.002547803	0.002291916	0.002062208
49	0.002794403	0.002507011	0.002249716	0.002019309	0.001812930
50	0.002478406	0.002218594	0.001986504	0.001779127	0.001593785

t \ p	0.14	0.1425	0.145	0.1475	0.15
1	0.877192982	0.875273523	0.873362445	0.871459695	0.869565217
2	0.769467528	0.766103740	0.762761961	0.759442000	0.756143667
3	0.674971516	0.670550319	0.666167652	0.661823094	0.657516232
4	0.592080277	0.586914940	0.581805809	0.576752151	0.571753246
5	0.519368664	0.513711108	0.508127344	0.502616254	0.497176735
6	0.455586548	0.449637731	0.443779340	0.438009807	0.432327596
7	0.399637323	0.393556001	0.387580210	0.381707893	0.375937040
8	0.350559055	0.344469147	0.338498000	0.332643044	0.326901774
9	0.307507943	0.301504724	0.295631441	0.289885006	0.284262412
10	0.269743810	0.263899102	0.258193398	0.252623099	0.247184706
11	0.236617377	0.230983897	0.225496418	0.220150849	0.214943223
12	0.207559102	0.202174089	0.196940103	0.191852591	0.186907150
13	0.182069388	0.176957627	0.172000090	0.167191801	0.162527957
14	0.159709990	0.154886326	0.150218419	0.145700916	0.141328658
15	0.140096482	0.135567900	0.131195126	0.126972476	0.122894485
16	0.122891651	0.118658993	0.114580896	0.110651395	0.106864770
17	0.107799694	0.103859075	0.100070651	0.096428231	0.092925887
18	0.094561135	0.090905099	0.087397949	0.084033317	0.080805119
19	0.082948364	0.079566826	0.076330086	0.073231648	0.070265321
20	0.072761723	0.069642736	0.066663831	0.063818430	0.061100279
21	0.063826073	0.060956443	0.058221686	0.055615190	0.053130677
22	0.055987783	0.053353561	0.050848634	0.048466396	0.046200589
23	0.049112090	0.046698959	0.044409288	0.042236511	0.040174425
24	0.043080781	0.040874362	0.038785404	0.036807417	0.034934283
25	0.037790159	0.035776247	0.033873715	0.032076180	0.030377637
26	0.033149262	0.031314002	0.029584031	0.027953098	0.026415337
27	0.029078300	0.027408317	0.025837582	0.024359998	0.022969858
28	0.025507281	0.023989774	0.022565573	0.021228757	0.019973790
29	0.022374808	0.020997614	0.019707924	0.018500006	0.017368513
30	0.019627024	0.018378656	0.017212161	0.016122010	0.015103054
31	0.017216688	0.016086351	0.015032455	0.014049682	0.013133091
32	0.015102358	0.014079957	0.013128782	0.012243731	0.011420079
33	0.013247682	0.012323813	0.011466185	0.010669918	0.009930503
34	0.011620774	0.010786708	0.010014135	0.009298404	0.008635220
35	0.010193661	0.009441319	0.008745970	0.008103184	0.007508887
36	0.008941808	0.008263737	0.007638401	0.007061598	0.006529467
37	0.007843691	0.007233030	0.006671093	0.006153898	0.005677798
38	0.006880431	0.006330880	0.005826282	0.005362874	0.004937215
39	0.006035466	0.005541251	0.005088456	0.004673529	0.004293231
40	0.005294268	0.004850111	0.004444066	0.004072792	0.003733244
41	0.004644095	0.004245173	0.003881281	0.003549274	0.003246299
42	0.004073768	0.003715688	0.003389765	0.003093049	0.002822869
43	0.003573480	0.003252243	0.002960493	0.002695468	0.002454669
44	0.003134632	0.002846602	0.002585584	0.002348992	0.002134494
45	0.002749677	0.002491556	0.002258152	0.002047051	0.001856082
46	0.002411997	0.002180793	0.001972185	0.001783923	0.001613984
47	0.002115787	0.001908790	0.001722432	0.001554617	0.001403465
48	0.001855954	0.001670713	0.001504308	0.001354786	0.001220404
49	0.001628030	0.001462331	0.001313806	0.001180641	0.001061221
50	0.001428096	0.001279940	0.001147429	0.001028881	0.000922801

t \ p	0.1525	0.155	0.1575	0.16	0.1625
1	0.867678959	0.865800866	0.863930886	0.862068966	0.860215054
2	0.752866776	0.749611139	0.746376575	0.743162901	0.739969939
3	0.653246660	0.649013973	0.644817775	0.640657674	0.636533281
4	0.566808382	0.561916860	0.557077992	0.552291098	0.547555510
5	0.491807706	0.486508104	0.481276883	0.476113015	0.471015493
6	0.426731199	0.421219138	0.415789963	0.410442255	0.405174617
7	0.370265682	0.364691894	0.359213791	0.353829530	0.348537305
8	0.321271742	0.315750558	0.310335889	0.305025457	0.299817037
9	0.278760730	0.273377106	0.268108759	0.262952980	0.257907128
10	0.241874820	0.236690135	0.231627438	0.226683603	0.221855594
11	0.209869692	0.204926524	0.200110097	0.195416900	0.190843522
12	0.182099516	0.177425562	0.172881294	0.168462844	0.164166471
13	0.158003918	0.153615205	0.149357489	0.145226590	0.141218469
14	0.137096675	0.133000178	0.129034548	0.125195336	0.121478253
15	0.118955901	0.115151669	0.111476931	0.107927014	0.104497422
16	0.103215532	0.099698415	0.096308364	0.093040529	0.089890256
17	0.089557945	0.086318974	0.083203770	0.080207353	0.077324951
18	0.077707545	0.074735042	0.071882307	0.069144270	0.066516087
19	0.067425201	0.064705664	0.062101345	0.059607129	0.057218139
20	0.058503429	0.056022220	0.053651270	0.051385456	0.049219905
21	0.050762194	0.048504087	0.046350989	0.044297807	0.042339703
22	0.044045288	0.041994880	0.040044051	0.038187765	0.036421250
23	0.038217169	0.036359204	0.034595293	0.032920487	0.031330107
24	0.033160234	0.031479830	0.029887942	0.028379730	0.026950630
25	0.028772437	0.027255264	0.025821116	0.024465284	0.023183338
26	0.024965238	0.023597631	0.022307660	0.021090762	0.019942656
27	0.021661812	0.020430850	0.019272276	0.018181692	0.017154973
28	0.018795498	0.017689047	0.016649915	0.015673872	0.014756966
29	0.016308458	0.015315192	0.014384375	0.013511959	0.012694164
30	0.014150506	0.013259907	0.012427106	0.011648240	0.010919711
31	0.012278097	0.011480439	0.010736161	0.010041587	0.009393300
32	0.010653446	0.009939774	0.009275301	0.008656540	0.008080258
33	0.009243771	0.008605865	0.008013219	0.007462535	0.006950760
34	0.008020626	0.007450965	0.006922867	0.006433219	0.005979148
35	0.006959328	0.006451052	0.005980879	0.005545879	0.005143353
36	0.006038463	0.005585327	0.005167066	0.004780930	0.004424390
37	0.005239447	0.004835781	0.004463988	0.004121491	0.003805927
38	0.004546158	0.004186823	0.003856577	0.003553010	0.003273915
39	0.003944605	0.003624955	0.003331816	0.003062940	0.002816271
40	0.003422651	0.003138489	0.002878459	0.002640465	0.002422599
41	0.002969762	0.002717307	0.002486789	0.002276263	0.002083956
42	0.002576800	0.002352646	0.002148414	0.001962296	0.001792650
43	0.002235835	0.002036923	0.001856081	0.001691634	0.001542065
44	0.001939987	0.001763570	0.001603526	0.001458305	0.001326507
45	0.001683286	0.001526900	0.001385336	0.001257160	0.001141082
46	0.001460552	0.001321992	0.001196834	0.001083758	0.000981576
47	0.001267290	0.001144582	0.001033982	0.000934275	0.000844366
48	0.001099601	0.000990980	0.000893289	0.000805409	0.000726336
49	0.000954101	0.000857991	0.000771740	0.000694318	0.000624806
50	0.000827853	0.000742849	0.000666730	0.000598550	0.000537467

t \ p	0.165	0.1675	0.17	0.1725	0.175
1	0.858369099	0.856531049	0.854700855	0.852878465	0.851063830
2	0.736797510	0.733645438	0.730513551	0.727401676	0.724309642
3	0.632444214	0.628390097	0.624370556	0.620385225	0.616433738
4	0.542870570	0.538235629	0.533650048	0.529113198	0.524624458
5	0.465983322	0.461015528	0.456111152	0.451269252	0.446488900
6	0.399985684	0.394874114	0.389838592	0.384877827	0.379990554
7	0.343335351	0.338221939	0.333195378	0.328254010	0.323396216
8	0.294708456	0.289697593	0.284782374	0.279960776	0.275230822
9	0.252968632	0.248134983	0.243403738	0.238772517	0.234238997
10	0.217140456	0.212535317	0.208037383	0.203643938	0.199352338
11	0.186386658	0.182043098	0.177809729	0.173683529	0.169661564
12	0.159988548	0.155925566	0.151974128	0.148130942	0.144392821
13	0.137329225	0.133555089	0.129892417	0.126337690	0.122887507
14	0.117879163	0.114394080	0.111019160	0.107750695	0.104585112
15	0.101183831	0.097982082	0.094888171	0.091898247	0.089008606
16	0.086853074	0.083924695	0.081101001	0.078378036	0.075752005
17	0.074551995	0.071884107	0.069317094	0.066846939	0.064469792
18	0.063993129	0.061570970	0.059245380	0.057012315	0.054867908
19	0.054929724	0.052737447	0.050637077	0.048624576	0.046696092
20	0.047149978	0.045171261	0.043279553	0.041470853	0.039741355
21	0.040472084	0.038690588	0.036991071	0.035369598	0.033822430
22	0.034739986	0.033139690	0.031616300	0.030165968	0.028785046
23	0.029819731	0.028385173	0.027022478	0.025727905	0.024497912
24	0.025596335	0.024312782	0.023096135	0.021942776	0.020849287
25	0.021971103	0.020824653	0.019740287	0.018714521	0.017744074
26	0.018859316	0.017836962	0.016872040	0.015961212	0.015101339
27	0.016188254	0.015277912	0.014420547	0.013612974	0.012852204
28	0.013895497	0.013086006	0.012325254	0.011610212	0.010938046
29	0.011927465	0.011208570	0.010534405	0.009902100	0.009308975
30	0.010238168	0.009600488	0.009003765	0.008445288	0.007922532
31	0.008788127	0.008223116	0.007695526	0.007202804	0.006742580
32	0.007543456	0.007043354	0.006577372	0.006143117	0.005738366
33	0.006475070	0.006032852	0.005621686	0.005239332	0.004883716
34	0.005558000	0.005167325	0.004804860	0.004468513	0.004156354
35	0.004770815	0.004425974	0.004106718	0.003811099	0.003537323
36	0.004095121	0.003790984	0.003510015	0.003250404	0.003010487
37	0.003515125	0.003247096	0.003000013	0.002772200	0.002562117
38	0.003017275	0.002781238	0.002564114	0.002364349	0.002180525
39	0.002589935	0.002382217	0.002191550	0.002016503	0.001855766
40	0.002223120	0.002040443	0.001873120	0.001719832	0.001579375
41	0.001908258	0.001747703	0.001600957	0.001466807	0.001344149
42	0.001637990	0.001496962	0.001368339	0.001251008	0.001143957
43	0.001406000	0.001282194	0.001169521	0.001066958	0.000973580
44	0.001206867	0.001098239	0.000999590	0.000909986	0.000828579
45	0.001035937	0.000940676	0.000854351	0.000776107	0.000705174
46	0.000889216	0.000805718	0.000730214	0.000661925	0.000600148
47	0.000763276	0.000690123	0.000624115	0.000564542	0.000510764
48	0.000655172	0.000591111	0.000533431	0.000481485	0.000434693
49	0.000562380	0.000506305	0.000455924	0.000410649	0.000369951
50	0.000482729	0.000433666	0.000389679	0.000350233	0.000314852

t \ p	0.1775	0.18	0.1825	0.185	0.1875
1	0.849256900	0.847457627	0.845665962	0.843881857	0.842105263
2	0.721237283	0.718184430	0.715150919	0.712136588	0.709141274
3	0.612515739	0.608630873	0.604778790	0.600959146	0.597171599
4	0.520183218	0.515788875	0.511440837	0.507138520	0.502881347
5	0.441769187	0.437109216	0.432508108	0.427964996	0.423479029
6	0.375175530	0.370431539	0.365757385	0.361151895	0.356613919
7	0.318620408	0.313925033	0.309308571	0.304769532	0.300306458
8	0.270590580	0.266038164	0.261571730	0.257189478	0.252889649
9	0.229800917	0.225456071	0.221202309	0.217037534	0.212959704
10	0.195160015	0.191064467	0.187063263	0.183154037	0.179334488
11	0.165740989	0.161919040	0.158193034	0.154560369	0.151018516
12	0.140756679	0.137219525	0.133778465	0.130430691	0.127173487
13	0.119538581	0.116287733	0.113131894	0.110068094	0.107093463
14	0.101518964	0.098548926	0.095671792	0.092884467	0.090183969
15	0.086215681	0.083516039	0.080906378	0.078383517	0.075944395
16	0.073219262	0.070776305	0.068419770	0.066146428	0.063953175
17	0.062181963	0.059979919	0.057860271	0.055819770	0.053855305
18	0.052808462	0.050830440	0.048930461	0.047105291	0.045351836
19	0.044847950	0.043076644	0.041378826	0.039751301	0.038191020
20	0.038087431	0.036505631	0.034992664	0.033545401	0.032160859
21	0.032346014	0.030936975	0.029592105	0.028308356	0.027082828
22	0.027470075	0.026217775	0.025025036	0.023888908	0.022806592
23	0.023329151	0.022218454	0.021162821	0.020159416	0.019205551
24	0.019812443	0.018829198	0.017896678	0.017012165	0.016173096
25	0.016825854	0.015956948	0.015134611	0.014356258	0.013619449
26	0.014289472	0.013522837	0.012798825	0.012114985	0.011469010
27	0.012135433	0.011460031	0.010823531	0.010223616	0.009658114
28	0.010306100	0.009711891	0.009153092	0.008627524	0.008133148
29	0.008752527	0.008230416	0.007740458	0.007280611	0.006848967
30	0.007433144	0.006974929	0.006545842	0.006143976	0.005767551
31	0.006312649	0.005910957	0.005535596	0.005184790	0.004856885
32	0.005361060	0.005009285	0.004681265	0.004375350	0.004090009
33	0.004552917	0.004245157	0.003958786	0.003692278	0.003444218
34	0.003866597	0.003597591	0.003347811	0.003115847	0.002900394
35	0.003283734	0.003048806	0.002831130	0.002629407	0.002442437
36	0.002788734	0.002583734	0.002394190	0.002218908	0.002056789
37	0.002368351	0.002189605	0.002024685	0.001872497	0.001732033
38	0.002011339	0.001855597	0.001712207	0.001580166	0.001458554
39	0.001708143	0.001572540	0.001447955	0.001333473	0.001228256
40	0.001450652	0.001332661	0.001224487	0.001125294	0.001034321
41	0.001231977	0.001129374	0.001035507	0.000949615	0.000871007
42	0.001046265	0.000957096	0.000875693	0.000801363	0.000733480
43	0.000888547	0.000811099	0.000740544	0.000676256	0.000617667
44	0.000754605	0.000687372	0.000626252	0.000570680	0.000520141
45	0.000640854	0.000582518	0.000529600	0.000481586	0.000438013
46	0.000544249	0.000493660	0.000447865	0.000406402	0.000368853
47	0.000462207	0.000418356	0.000378744	0.000342955	0.000310613
48	0.000392533	0.000354539	0.000320291	0.000289414	0.000261569
49	0.000333361	0.000300457	0.000270859	0.000244231	0.000220269
50	0.000283109	0.000254624	0.000229056	0.000206102	0.000185489

t \ p	0.19	0.1925	0.195	0.1975	0.2
1	0.840336134	0.838574423	0.836820084	0.835073069	0.833333333
2	0.706164819	0.703207064	0.700267852	0.697347030	0.694444444
3	0.593415814	0.589691458	0.585998203	0.582335725	0.578703704
4	0.498668751	0.494500174	0.490375065	0.486292881	0.482253086
5	0.419049371	0.414675199	0.410355703	0.406090088	0.401877572
6	0.352142329	0.347736016	0.343393894	0.339114896	0.334897977
7	0.295917923	0.291602529	0.287358907	0.283185717	0.279081647
8	0.248670524	0.244530423	0.240467705	0.236480766	0.232568039
9	0.208966827	0.205056958	0.201228205	0.197478719	0.193806699
10	0.175602375	0.171955520	0.168391803	0.164909160	0.161505583
11	0.147565021	0.144197501	0.140913643	0.137711198	0.134587986
12	0.124004220	0.120920337	0.117919366	0.114998913	0.112156655
13	0.104205226	0.101400702	0.098677294	0.096032495	0.093463879
14	0.087567417	0.085032035	0.082575141	0.080194150	0.077886566
15	0.073586065	0.071305690	0.069100537	0.066967975	0.064905472
16	0.061837029	0.059795128	0.057824717	0.055923153	0.054087893
17	0.051963890	0.050142665	0.048388884	0.046699919	0.045073244
18	0.043667135	0.042048356	0.040492790	0.038997844	0.037561037
19	0.036695071	0.035260676	0.033885180	0.032566050	0.031300864
20	0.030836194	0.029568701	0.028355799	0.027195031	0.026084053
21	0.025912768	0.024795556	0.023728702	0.022709838	0.021736711
22	0.021775435	0.020792919	0.019856655	0.018964374	0.018113926
23	0.018298685	0.017436410	0.016616447	0.015836638	0.015094938
24	0.015377046	0.014621728	0.013904977	0.013224750	0.012579115
25	0.012921888	0.012261407	0.011635964	0.011043633	0.010482596
26	0.010858729	0.010282102	0.009737208	0.009222240	0.008735497
27	0.009124983	0.008622308	0.008148292	0.007701244	0.007279581
28	0.007668053	0.007230447	0.006818654	0.006431102	0.006066317
29	0.006443742	0.006063268	0.005705987	0.005370440	0.005055264
30	0.005414909	0.005084501	0.004774884	0.004484710	0.004212720
31	0.004550344	0.004263733	0.003995719	0.003745060	0.003510600
32	0.003823818	0.003575457	0.003343698	0.003127399	0.002925500
33	0.003213293	0.002998287	0.002798074	0.002611607	0.002437917
34	0.002700246	0.002514287	0.002341484	0.002180882	0.002031597
35	0.002269114	0.002108417	0.001959401	0.001821196	0.001692998
36	0.001906819	0.001768064	0.001639666	0.001520832	0.001410831
37	0.001602369	0.001482653	0.001372105	0.001270006	0.001175693
38	0.001346528	0.001243315	0.001148205	0.001060548	0.000979744
39	0.001131536	0.001042612	0.000960841	0.000885635	0.000816453
40	0.000950871	0.000874308	0.000804051	0.000739570	0.000680378
41	0.000799051	0.000733172	0.000672846	0.000617595	0.000566982
42	0.000671472	0.000614820	0.000563051	0.000515737	0.000472485
43	0.000564262	0.000515572	0.000471173	0.000430678	0.000393737
44	0.000474170	0.000432345	0.000394287	0.000359647	0.000328114
45	0.000398462	0.000362554	0.000329947	0.000300332	0.000273429
46	0.000334842	0.000304028	0.000276106	0.000250799	0.000227857
47	0.000281380	0.000254950	0.000231051	0.000209436	0.000189881
48	0.000236454	0.000213795	0.000193348	0.000174894	0.000158234
49	0.000198700	0.000179283	0.000161798	0.000146049	0.000131862
50	0.000166975	0.000150342	0.000135396	0.000121962	0.000109885

3.3 Treća finansijska tablica

$$III_p^t := I_p^t + I_p^{t-1} + \dots + I_p^1$$

3 *Finansijske tablice*

t \ p	0.0025	0.005	0.0075	0.01	0.0125
1	1.002500000	1.005000000	1.007500000	1.010000000	1.012500000
2	2.00750625	2.01502500	2.02255625	2.03010000	2.03765625
3	3.01502502	3.03010013	3.04522542	3.06040100	3.07562695
4	4.02506258	4.05025063	4.07556461	4.10100501	4.12657229
5	5.03762523	5.07550188	5.11363135	5.15201506	5.19065444
6	6.05271930	6.10587939	6.15948358	6.21353521	6.26803762
7	7.07035110	7.14140879	7.21317971	7.28567056	7.35888809
8	8.09052697	8.18211583	8.27477856	8.36852727	8.46337420
9	9.11325329	9.22802641	9.34433940	9.46221254	9.58166637
10	10.13853642	10.27916654	10.42192194	10.56683467	10.71393720
11	11.16638277	11.33556237	11.50758636	11.68250301	11.86036142
12	12.19679872	12.39724018	12.60139325	12.80932804	13.02111594
13	13.22979072	13.46422639	13.70340370	13.94742132	14.19637988
14	14.26536520	14.53654752	14.81367923	15.09689554	15.38633463
15	15.30352861	15.61423026	15.93228183	16.25786449	16.59116382
16	16.34428743	16.69730141	17.05927394	17.43044314	17.81105336
17	17.38764815	17.78578791	18.19471849	18.61474757	19.04619153
18	18.43361727	18.87971685	19.33867888	19.81089504	20.29676893
19	19.48220131	19.979711544	20.49121897	21.01900399	21.56297854
20	20.53340682	21.08401101	21.65240312	22.23919403	22.84501577
21	21.58724033	22.19443107	22.82229614	23.47158598	24.14307847
22	22.64370843	23.31040322	24.00096336	24.71630183	25.45736695
23	23.70281770	24.43195524	25.18847059	25.97346485	26.78808403
24	24.76457475	25.55911502	26.38488412	27.24319950	28.13543508
25	25.82898619	26.69191059	27.59027075	28.52563150	29.49962802
26	26.89605865	27.83037015	28.80469778	29.82088781	30.88087337
27	27.96579880	28.97452200	30.02823301	31.12909669	32.27938429
28	29.03821330	30.12439461	31.26094476	32.45038766	33.69537659
29	30.11330883	31.28001658	32.50290184	33.78489153	35.12906880
30	31.19109210	32.44141666	33.75417361	35.13274045	36.58068216
31	32.27156983	33.60862375	35.01482991	36.49406785	38.05044069
32	33.35474876	34.78166686	36.28494113	37.86900853	39.53857120
33	34.44063563	35.96057520	37.56457819	39.25769862	41.04530334
34	35.52923722	37.14537807	38.85381253	40.66027560	42.57086963
35	36.62056031	38.33610496	40.15271612	42.07687836	44.11550550
36	37.71461171	39.53278549	41.46136149	43.50764714	45.67944932
37	38.81139824	40.73544942	42.77982170	44.95272361	47.26294243
38	39.91092673	41.94412666	44.10817037	46.41225085	48.86622921
39	41.01320405	43.15884730	45.44648164	47.88637336	50.48955708
40	42.11823706	44.37964153	46.79483026	49.37523709	52.13317654
41	43.22603265	45.60653974	48.15329148	50.87898946	53.79734125
42	44.33659774	46.83957244	49.52194117	52.39777936	55.48230801
43	45.44993923	48.07877030	50.90085573	53.93175715	57.18833687
44	46.56606408	49.32416415	52.29011215	55.48107472	58.91569108
45	47.68497924	50.57578497	53.68978799	57.04588547	60.66463721
46	48.80669169	51.83366390	55.09996140	58.62634432	62.43544518
47	49.93120842	53.09783222	56.52071111	60.22607777	64.22838824
48	51.05853644	54.36832138	57.95211644	61.83483385	66.04374310
49	52.18868278	55.64516299	59.39425732	63.46318218	67.88178989
50	53.32165449	56.92838880	60.84721424	65.10781401	69.74281226

t \ p	0.015	0.0175	0.02	0.0225	0.025
1	1.015000000	1.017500000	1.020000000	1.022500000	1.025000000
2	2.045225000	2.052806250	2.060400000	2.068006250	2.075625000
3	3.090903380	3.106230360	3.121608000	3.137036390	3.152515630
4	4.152266930	4.178089390	4.204040160	4.230119710	4.256328520
5	5.229550930	5.268705960	5.308120960	5.347797400	5.387736730
6	6.322994190	6.378408310	6.434283380	6.490622280	6.547430150
7	7.432839110	7.507530450	7.582969050	7.659161860	7.736111590
8	8.559331690	8.656412240	8.754628430	8.853993000	8.954518800
9	9.702721670	9.825399450	9.949721000	10.075570780	10.203381770
10	10.863262490	11.014843940	11.168715420	11.324911270	11.483466310
11	12.041211143	12.225103710	12.412089730	12.602221770	12.795552970
12	13.236829600	13.456543030	13.680331520	13.908271760	14.140441790
13	14.450382050	14.709532530	14.973938150	15.243707880	15.518952840
14	15.682137780	15.984449350	16.293416920	16.609191300	16.931926660
15	16.932369840	17.281677210	17.639285250	18.005398110	18.380224830
16	18.201355390	18.601606560	19.012070960	19.433019570	19.864730450
17	19.489375720	19.944634680	20.412312380	20.892762510	21.386348710
18	20.796716360	21.311165780	21.840558630	22.385349660	22.946007430
19	22.123667100	22.701611190	23.297369800	23.911520003	24.544657610
20	23.470522110	24.116389380	24.783317190	25.472029230	26.183274050
21	24.837579940	25.555926200	26.298983540	27.067649890	27.862855900
22	26.225143640	27.020654900	27.844963210	28.699172010	29.584427300
23	27.633520800	28.511016370	29.421862470	30.367403380	31.349037980
24	29.063023610	30.027459150	31.030299720	32.073169960	33.157763930
25	30.513968960	31.570439690	32.670905720	33.817316280	35.011708030
26	31.986678500	33.140422380	34.344323830	35.600705900	36.912000730
27	33.481478670	34.737879770	36.051210310	37.424221780	38.859800750
28	34.998700850	36.363292670	37.792234510	39.288766770	40.856295770
29	36.538681370	38.017150290	39.568079210	41.195264020	42.902703160
30	38.101761590	39.699950420	41.379440790	43.144657460	45.000270740
31	39.688288010	41.412199550	43.227029610	45.137912260	47.150277510
32	41.298612330	43.154413050	45.111570200	47.176015280	49.354034450
33	42.933091520	44.927111527	47.033801600	49.259975630	51.612885310
34	44.592087890	46.730839790	48.994477630	51.390825080	53.928207440
35	46.275969210	48.566129490	50.994367190	53.569618640	56.301412630
36	47.985108740	50.433536750	53.034254530	55.797435060	58.733947940
37	49.719885380	52.333623650	55.114939620	58.075377350	61.227296640
38	51.480683660	54.266962060	57.237238410	60.404573340	63.782979060
39	53.267893910	56.234133900	59.401983180	62.786176240	66.402553540
40	55.081912320	58.235731240	61.610022840	65.221365210	69.087617370
41	56.923141000	60.272356540	63.862223300	67.711345920	71.839807810
42	58.791988120	62.344622780	66.159467770	70.257351210	74.660803000
43	60.688867940	64.453153670	68.502657120	72.860641610	77.552323080
44	62.614200960	66.598583860	70.892710270	75.522506050	80.516131160
45	64.568413980	68.781559080	73.330564470	78.244262430	83.554034430
46	66.551940180	71.002736370	75.817175760	81.027258340	86.667885300
47	68.565219290	73.262784250	78.353519270	83.872871650	89.859582430
48	70.608697580	75.562382980	80.940589660	86.782511260	93.131071990
49	72.682828040	77.902224680	83.579401450	89.757617760	96.484348790
50	74.788070460	80.283013610	86.270989480	92.799664160	99.921457510

t \ p	0.0275	0.03	0.0325	0.035	0.0375
1	1.027500000	1.030000000	1.032500000	1.035000000	1.037500000
2	2.08325625	2.090900000	2.09855625	2.10622500	2.11390625
3	3.16804580	3.18362700	3.19925933	3.21494288	3.23067773
4	4.28266706	4.30913581	4.33573526	4.36246588	4.38932815
5	5.42794040	5.46840988	5.50914665	5.55015218	5.59142796
6	6.60470876	6.66246218	6.72069392	6.77940751	6.83860650
7	7.81383825	7.89233605	7.97161647	8.05168677	8.13255425
8	9.05621880	9.15910613	9.26319401	9.36849581	9.47502503
9	10.33276482	10.46387931	10.59674781	10.73139316	10.86783847
10	11.64441585	11.80779569	11.97364212	12.14199192	12.31288241
11	12.99213729	13.19202956	13.39528548	13.60196164	13.81211550
12	14.37692107	14.61779045	14.86313226	15.11303030	15.36756983
13	15.79978639	16.08632416	16.37868406	16.67698636	16.98135370
14	17.26178052	17.59891389	17.94349129	18.29568088	18.65565447
15	18.76397948	19.15688130	19.55915476	19.97102971	20.39274151
16	20.30748892	20.76158774	21.22732729	21.70501575	22.19496932
17	21.89344487	22.41443537	22.94971543	23.49969130	24.06478067
18	23.52301460	24.11686844	24.72808118	25.35718050	26.00470994
19	25.19739750	25.87037449	26.56424382	27.27968181	28.01738656
20	26.91782593	27.67648572	28.46008174	29.26947068	30.10553856
21	28.68556615	29.53678030	30.41753440	31.32890215	32.27199626
22	30.50191921	31.45288370	32.43860426	33.46041373	34.51969612
23	32.36822199	33.42647022	34.52535890	35.66652821	36.85168472
24	34.28584810	35.45926432	36.67993307	37.94985669	39.27112290
25	36.25620892	37.55304225	38.90453089	40.31310168	41.78129001
26	38.28075467	39.70963352	41.20142815	42.75906024	44.38558838
27	40.36097542	41.93092252	43.57297456	45.29062734	47.08754794
28	42.49840224	44.21885020	46.02159623	47.91079930	49.89083099
29	44.69460831	46.57541571	48.54979811	50.62267728	52.79923715
30	46.95121003	49.00267818	51.16016655	53.42947098	55.81670855
31	49.26986831	51.50275852	53.85537196	56.33450247	58.94733512
32	51.65228969	54.07784128	56.63817155	59.34121005	62.19536019
33	54.10022765	56.73017652	59.51141213	62.45315240	65.56518619
34	56.61548391	59.46208181	62.47803302	65.67401274	69.06138067
35	59.19990972	62.27594427	65.54106909	69.00760318	72.68868245
36	61.85540724	65.17422259	68.70365384	72.45786930	76.45200804
37	64.58393094	68.15944927	71.96902259	76.02889472	80.35645834
38	67.38748904	71.23423275	75.34051582	79.72490604	84.40732553
39	70.26814499	74.40125973	78.82158259	83.55027775	88.61010024
40	73.22801898	77.66329753	82.41578402	87.50953747	92.97047900
41	76.26928950	81.02319645	86.12679700	91.60737128	97.49437196
42	79.39419496	84.48389234	89.95841791	95.84862928	102.18791091
43	82.60503532	88.04840911	93.91456649	100.23833130	107.05745757
44	85.90417379	91.71986139	97.99928990	104.78167290	112.10961223
45	89.29403857	95.50145723	102.21676682	109.48403145	117.35122269
46	92.77712463	99.39650095	106.57131174	114.35097255	122.78939354
47	96.35599556	103.40839598	111.06737937	119.38825659	128.43149579
48	100.03328544	107.54064785	115.70956920	124.60184557	134.28517689
49	103.81170079	111.79686729	120.50263020	129.99791016	140.35837102
50	107.69402256	116.18077331	125.45146568	135.58283702	146.65930993

t \ p	0.04	0.0425	0.045	0.0475	0.05
1	1.040000000	1.042500000	1.045000000	1.047500000	1.050000000
2	2.121600000	2.129306250	2.137025000	2.144756250	2.152500000
3	3.246464000	3.262301770	3.278191130	3.294132170	3.310125000
4	4.416322560	4.443449590	4.470709730	4.498103345	4.525631250
5	5.632975460	5.674796200	5.716891660	5.759263360	5.801912810
6	6.898294480	6.958475040	7.019151790	7.080328370	7.142008450
7	8.214226260	8.296710230	8.380013620	8.464143970	8.549108880
8	9.582795310	9.691820410	9.802114230	9.913690810	10.026564320
9	11.006107120	11.146222780	11.288209370	11.432091120	11.577892540
10	12.486351410	12.662437250	12.841178790	13.022615450	13.206787160
11	14.025805460	14.243090830	14.464031840	14.688689690	14.917126520
12	15.626837680	15.890922190	16.159913270	16.433902450	16.712982850
13	17.291911190	17.608786380	17.932109370	18.262012810	18.598631990
14	19.023587640	19.399659800	19.784054290	20.176958420	20.578563590
15	20.824531140	21.266645340	21.719336730	22.182863950	22.657491770
16	22.697512390	23.212977770	23.741706890	24.284049980	24.840366360
17	24.645412880	25.242029330	25.855083700	26.485042360	27.132384670
18	26.671229400	27.357315570	28.063562460	28.790581870	29.539003910
19	28.778078580	29.562501490	30.371422770	31.205634510	32.065954100
20	30.969201720	31.861407800	32.783136800	33.735402150	34.719251810
21	33.247969790	34.258017630	35.303377950	36.385333750	37.505214440
22	35.617888580	36.756483380	37.937029960	39.161137100	40.430475120
23	38.082604120	39.361133920	40.689196310	42.068791110	43.501998870
24	40.645908290	42.076482110	43.565210150	45.114558690	46.727098820
25	43.311744620	44.907232600	46.570644600	48.305000230	50.113453760
26	46.084214400	47.858289990	49.711323610	51.646987740	53.669126450
27	48.967582980	50.934767320	52.993333170	55.147719660	57.402582770
28	51.966286300	54.141994930	56.423033160	58.814736340	61.322711910
29	55.084937750	57.485529710	60.007069660	62.655936320	65.438847500
30	58.328335260	60.971164720	63.752387790	66.679593290	69.760789880
31	61.701468670	64.604939220	67.666245240	70.894373980	74.298829370
32	65.209527420	68.393149140	71.756226280	75.309356740	79.063770840
33	68.857908510	72.342357980	76.030256460	79.934051190	84.066959380
34	72.652224860	76.459408190	80.496618000	84.778418620	89.320307350
35	76.598313850	80.751433040	85.163965810	89.852893500	94.836322720
36	80.702246400	85.225868950	90.041344270	95.168405940	100.628138860
37	84.970336260	89.890468380	95.138204760	100.736405220	106.709545800
38	89.409149710	94.753313280	100.464423980	106.568884470	113.095023090
39	94.025515700	99.822829100	106.030323060	112.678406480	119.799774240
40	98.826536330	105.107799330	111.846687600	119.078130790	126.839762950
41	103.819597780	110.617380800	117.924788540	125.781842010	134.231751100
42	109.012381690	116.361119490	124.276404020	132.803979500	141.993338660
43	114.412876960	122.348967070	130.913842200	140.159668530	150.143005590
44	120.029392040	128.591298170	137.849965100	147.864752780	158.700155870
45	125.870567720	135.098928340	145.098213530	155.935828540	167.685163660
46	131.945390430	141.883132790	152.672633140	164.390280390	177.119421850
47	138.263260400	148.955665940	160.587901630	173.246318710	187.205392940
48	144.833734290	156.328781740	168.859357200	182.523018850	197.426662590
49	151.667083660	164.015254960	177.503028280	192.240362250	208.347995720
50	158.773767000	172.028403300	186.535664550	202.419279450	219.815395500

t \ p	0.0525	0.055	0.0575	0.06	0.0625
1	1.052500000	1.055000000	1.057500000	1.060000000	1.062500000
2	2.16025625	2.16802500	2.17580625	2.18360000	2.19140625
3	3.32616970	3.34226638	3.35841511	3.37461600	3.39086914
4	4.55329361	4.58109103	4.60902398	4.63709296	4.66529846
5	5.84484153	5.88805103	5.93154286	5.97531854	6.01937962
6	7.20419571	7.26689384	7.33010657	7.39383765	7.45809084
7	8.63491598	8.72157300	8.80908770	8.89746791	8.98672152
8	10.14074907	10.25625951	10.37311024	10.49131598	10.61089161
9	11.72563840	11.87535379	12.02706408	12.18079494	12.33657234
10	13.39373441	13.58349825	13.77612027	13.97164264	14.17010811
11	15.14940547	15.38559065	15.62574718	15.86994120	16.11823987
12	16.99724926	17.28679814	17.58172764	17.88213767	18.18812986
13	18.94210484	19.29257203	19.65017698	20.01506593	20.38738798
14	20.98906535	21.40866350	21.83756216	22.27596988	22.72409973
15	23.14349128	23.64113999	24.15072198	24.67252808	25.20685596
16	25.41102457	25.99640269	26.59688850	27.21287976	27.84478446
17	27.79760336	28.48120483	29.18370959	29.90565255	30.64758348
18	30.30947754	31.10267110	31.91927289	32.75999170	33.62555745
19	32.95322511	33.86831801	34.81213108	35.78559120	36.78965479
20	35.73576943	36.78607550	37.87132862	38.99272668	40.15150822
21	38.66439732	39.86430965	41.10643001	42.39229028	43.72347748
22	41.74677818	43.11184669	44.52754974	45.99582769	47.51869482
23	44.99098403	46.53799825	48.14538385	49.81557735	51.55111325
24	48.40551070	50.15258816	51.97124342	53.86451200	55.83555783
25	51.99930001	53.96598051	56.01708991	58.15638272	60.38778019
26	55.78176326	57.98910943	60.29557258	62.70576568	65.22451645
27	59.76280583	62.23351045	64.82006801	67.52811162	70.36354873
28	63.95285313	66.71135353	69.60472192	72.63979832	75.82377053
29	68.36287792	71.43547797	74.66449343	78.05818622	81.62525619
30	73.00442901	76.41942926	80.01520180	83.80167739	87.78933470
31	77.88966154	81.67749787	85.67357590	89.88977803	94.33866812
32	83.03136877	87.22476025	91.65730652	96.34316471	101.29733487
33	88.44301563	93.07712207	97.98510164	103.18375460	108.69091830
34	94.13877395	99.25136378	104.67674499	110.43477987	116.54660070
35	100.13355958	105.76518879	111.75315782	118.12086666	124.89326324
36	106.44307146	112.63727417	119.23646440	126.26811866	133.76159219
37	113.08383271	119.88732425	127.15006110	134.90420578	143.18419170
38	120.07323393	127.53612708	135.51868962	144.05845813	153.19570369
39	127.42957871	135.60561407	144.36851427	153.76196562	163.83293517
40	135.17213159	144.11892285	153.72720384	164.04768356	175.13499361
41	143.32116850	153.10046360	163.62401806	174.95054457	187.14343071
42	151.89802985	162.57598910	174.08989910	186.50757724	199.90239513
43	160.92517642	172.57266850	185.15756830	198.75803188	213.45879483
44	170.42624818	183.11916527	196.86162847	211.74351379	227.86246951
45	180.42612621	194.24571936	209.23867211	225.50812462	243.16637385
46	190.95099783	205.98423392	222.32739576	240.09861210	259.42677222
47	202.02842522	218.36836679	236.16872101	255.56452882	276.70344548
48	213.68741754	231.43362696	250.80592247	271.95840055	295.05991082
49	225.95850696	245.21747645	266.28476301	289.33590458	314.56365525
50	238.87382858	259.75943765	282.65363689	307.75605886	335.28638370

t \ p	0.065	0.0675	0.07	0.0725	0.075
1	1.065000000	1.067500000	1.070000000	1.072500000	1.075000000
2	2.199225000	2.207056250	2.214900000	2.222756250	2.230625000
3	3.407174630	3.423532550	3.439943000	3.456406080	3.472921880
4	4.693640980	4.722120990	4.750739010	4.779495520	4.808391020
5	6.063727640	6.108364160	6.153290740	6.198508940	6.244020340
6	7.522869994	7.588178740	7.654021090	7.720400084	7.787321870
7	9.076856480	9.167880801	9.259802570	9.352629900	9.446371010
8	10.731852150	10.854212760	10.977988750	11.103195570	11.229848883
9	12.494422540	12.654372120	12.816447960	12.980677250	13.147087500
10	14.371560001	14.576042240	14.783599320	14.994276350	15.208119060
11	16.370711410	16.627425090	16.888451270	17.153861390	17.423727790
12	18.499807650	18.817276290	19.140642860	19.470016340	19.805507590
13	20.767295150	21.154942440	21.550487860	21.954092520	22.365920660
14	23.182169330	23.650401050	24.129022010	24.618264230	25.118364700
15	25.754010340	26.314303120	26.888053550	27.475588390	28.077242060
16	28.493021010	29.158018580	29.840217300	30.540068540	31.258035210
17	31.410067380	32.193684840	32.999032510	33.826723510	34.677387850
18	34.516721760	35.434258560	36.378964790	37.351660970	38.353191940
19	37.825308670	38.893571010	39.995492320	41.132156390	42.304681340
20	41.348953730	42.586387060	43.865176780	45.186737730	46.552532440
21	45.101635570	46.528468180	48.005739160	49.532076210	51.118972370
22	49.098242050	50.736639790	52.436140900	54.199083740	56.027895300
23	53.354627780	55.228862970	57.176670760	59.201017310	61.304987440
24	57.887678590	60.024311220	62.249037720	64.565591060	66.977861500
25	62.715377690	65.143452230	67.676470360	70.319096410	73.076201120
26	67.856877250	70.608135260	73.483823280	76.489730900	79.631916200
27	73.332574270	76.441684390	79.697690910	83.107736390	86.679309910
28	79.164191590	82.668998080	86.346529270	90.205547280	94.255258160
29	85.374864050	89.316655450	93.460786320	97.817949460	102.399402520
30	91.989230210	96.413029700	101.073041370	105.982250800	111.154357710
31	99.033530170	103.988409200	109.218154260	114.738463980	120.565934540
32	106.535709630	112.075126820	117.933425060	124.129502620	130.683379630
33	114.525530760	120.707697880	127.258764810	134.201391560	141.559632100
34	123.034690260	129.922967490	137.236878350	145.003492450	153.251605580
35	132.096945130	139.760267790	147.913459840	156.588745650	165.820476000
36	141.748246560	150.261585870	159.337402020	169.013929710	179.332011700
37	152.026882590	161.471742920	171.561020170	182.339939610	193.856912580
38	162.973629960	173.438585560	184.640291580	196.632085230	209.471181020
39	174.631915900	186.213190090	198.635111990	211.960411410	226.256519600
40	187.047990440	199.850080420	213.609569830	228.400041240	244.300758570
41	200.271109810	214.407460850	229.632239720	246.031544230	263.698315460
42	214.353731950	229.947464460	246.776496500	264.941331190	284.550689120
43	229.351724530	246.536418310	265.120851250	285.222077700	306.966990800
44	245.324586620	264.245126540	284.749310840	306.973178330	331.064515110
45	262.335684750	283.149172580	305.751762600	330.301233760	356.969353750
46	280.452504260	303.329241730	328.224385980	355.320573210	384.817055280
47	299.746917040	324.871465550	352.270093000	382.153814770	414.753334420
48	320.295466650	347.867789470	377.998999510	410.932466340	446.934834510
49	342.179671980	372.416365260	405.528929470	441.797570150	481.529947090
50	365.486350660	398.621969920	434.985954540	474.900393980	518.719693130

t \ p	0.0775	0.08	0.0825	0.085	0.0875
1	1.077500000	1.080000000	1.082500000	1.085000000	1.087500000
2	2.23850625	2.24640000	2.25430625	2.26222500	2.27015625
3	3.48949048	3.50611200	3.52278652	3.53951413	3.55629492
4	4.83742600	4.86660096	4.89591640	4.92537283	4.95497073
5	6.28982651	6.33592904	6.38232951	6.42902952	6.47603067
6	7.85478807	7.92280336	7.99137169	8.06049702	8.13018335
7	9.54103414	9.63662763	9.73315986	9.83063927	9.92907439
8	11.35796429	11.48755784	11.61864554	11.75124361	11.88536840
9	13.31570652	13.48656247	13.65968380	13.83509932	14.01283814
10	15.42517377	15.64548746	15.86910771	16.09608276	16.32646147
11	17.69812474	17.97712646	18.26080910	18.54924979	18.84252685
12	20.14722941	20.49529658	20.84982585	21.21093603	21.57874795
13	22.78613969	23.21492030	23.65243648	24.09886559	24.55438840
14	25.62956552	26.15211393	26.68626249	27.23226916	27.79039738
15	28.69335684	29.32428304	29.97037915	30.63201204	31.30955715
16	31.99459200	32.75022569	33.52543543	34.32073306	35.13664341
17	35.55167288	36.45024374	37.37378385	38.32299538	39.29859970
18	39.38442753	40.44626324	41.53962102	42.66544998	43.82472718
19	43.51422066	44.76196430	46.04913975	47.37701323	48.74689081
20	47.96407276	49.42292144	50.93069378	52.48905936	54.09974375
21	52.75878840	54.45675516	56.21497602	58.03562940	59.92097133
22	57.92509450	59.89329557	61.93521154	64.05365790	66.25155632
23	63.49178932	65.76475922	68.12736650	70.58321882	73.13606750
24	69.48990300	72.10593995	74.83037423	77.66777924	80.62297340
25	75.95287048	78.95441515	82.08638011	85.35455478	88.76498358
26	82.91671794	86.35076836	89.94100646	93.69469193	97.61941964
27	90.42026358	94.33882983	98.44363950	102.74374075	107.24861886
28	98.50533401	102.96593622	107.64773976	112.56195871	117.72037301
29	107.21699739	112.28321111	117.61117829	123.21472520	129.10840565
30	116.60381469	122.34586800	128.39660049	134.77297684	141.49289114
31	126.71811033	133.21353744	140.07182004	147.31367987	154.96101912
32	137.61626388	144.95062044	152.71024519	160.92034266	169.60760829
33	149.35902433	157.62667007	166.39134042	175.68357179	185.53577402
34	162.01184872	171.31680368	181.20112600	191.70167539	202.85765424
35	175.64526699	186.10214797	197.23271890	209.08131780	221.69519899
36	190.33527519	202.07031981	214.58691820	227.93822981	242.18102890
37	206.16375901	219.31594540	233.37283896	248.39797935	264.45936893
38	223.21895034	237.94122103	253.70859817	270.59680759	288.68706371
39	241.59591899	258.05651871	275.72205752	294.68253624	315.03468178
40	261.39710271	279.78104021	299.55162726	320.81555182	343.68771644
41	282.73287817	303.24352342	325.34713651	349.16987372	374.84789163
42	305.72217623	328.58300530	353.27077528	379.93431299	408.73458215
43	330.49314489	355.94964572	383.49811424	413.31372959	445.58635808
44	357.18386361	385.50561738	416.21920866	449.53039661	485.66266442
45	385.94311304	417.42606677	451.63979338	488.82548032	529.24564755
46	416.93120430	451.90015211	489.98257633	531.46064615	576.64214171
47	450.32087264	489.13216428	531.48863888	577.71980107	628.18582911
48	486.29824027	529.34273742	576.41895158	627.91098416	684.23958916
49	525.06385389	572.77015642	625.05601509	682.36841782	745.19805321
50	566.83380256	619.67176893	677.70563633	741.45473333	811.49038287

t \ p	0.09	0.0925	0.095	0.0975	0.1
1	1.090000000	1.092500000	1.095000000	1.097500000	1.100000000
2	2.278100000	2.286056250	2.294025000	2.302006250	2.310000000
3	3.573129000	3.590016450	3.606957380	3.623951860	3.641000000
4	4.984710610	5.014592980	5.044618330	5.074787170	5.105100000
5	6.523334560	6.570942830	6.618857070	6.667078910	6.715610000
6	8.200434680	8.271255040	8.342648490	8.414619110	8.487171000
7	10.028473800	10.128846130	10.230200090	10.332544470	10.435888100
8	12.021036440	12.158264390	12.297069100	12.437467560	12.579476910
9	14.192929720	14.375403850	14.560290670	14.747620640	14.937424600
10	16.560293390	16.797628710	17.038518280	17.283013660	17.531167060
11	19.140719800	19.443909360	19.752177520	20.065607490	20.384283770
12	21.953384580	22.334970980	22.723634380	23.119504220	23.522712140
13	25.019189190	25.493455790	25.977379650	26.471155880	26.974983360
14	28.360916220	28.944100450	29.540230720	30.149593580	30.772481690
15	32.003398680	32.713929750	33.441552630	34.186678950	34.949729860
16	35.973704560	36.832468250	37.713500130	38.617380150	39.544702850
17	40.301337970	41.331971560	42.391282650	43.480074720	44.599173130
18	45.018458390	46.247678930	47.513454500	48.816882000	50.159090450
19	50.160119640	51.618089230	53.122232670	54.674027990	56.274999490
20	55.764530410	57.485262490	59.263844780	61.102245720	63.002499440
21	61.873338150	63.895149270	65.988910030	68.157214680	70.402749390
22	68.531938580	70.897950570	73.352856490	75.900043110	78.543024330
23	75.789813050	78.548511000	81.416377850	84.397797320	87.497326760
24	83.700896230	86.906748270	90.245933750	93.724082560	97.347059430
25	92.323976890	96.038122480	99.914297450	103.959680610	108.181765380
26	101.723134810	106.014148810	110.501155710	115.193249460	120.099941910
27	111.968216940	116.912957580	122.093765510	127.522091290	133.209936110
28	123.135356460	128.819906150	134.787673230	141.052995190	147.630929720
29	135.307538550	141.828247470	148.687502180	155.903162220	163.494022690
30	148.575217020	156.039860360	163.907814890	172.201220530	180.943424960
31	163.036986550	171.566047450	180.574057310	190.088339540	200.137767450
32	178.800315340	188.528406840	198.823592750	209.719452640	221.251544200
33	195.982343720	207.059784470	218.806834060	231.264599270	244.476698620
34	214.710754660	227.305314530	240.688483300	254.910397700	270.024368480
35	235.124722570	249.423556130	264.648889210	280.861661480	298.126805330
36	257.375947600	273.587735070	290.885533690	309.343173470	329.039485860
37	281.629782880	299.987100560	319.614659390	340.601632890	363.043434450
38	308.066463340	328.828407370	351.073052030	374.907792090	400.447777890
39	336.882445040	360.337535050	385.519991970	412.558801820	441.592555680
40	368.291865100	394.761257040	423.239391210	453.880785000	486.851811250
41	402.528132960	432.369173310	464.542133370	499.2316661540	536.636992370
42	439.845664920	473.455821850	509.768636040	549.004248540	591.400691610
43	480.521774770	518.342985370	559.291656470	603.629662770	651.640760770
44	524.858734500	567.382211510	613.519363830	663.581054890	717.904836850
45	573.186020600	620.957566080	672.898703400	729.377707740	790.795320540
46	625.862762450	679.488640940	737.919080220	801.5895334250	870.974852590
47	683.280411070	743.433840230	809.116392840	880.842013840	959.172337850
48	745.865648070	813.293970450	887.077450160	967.821610180	1056.189571630
49	814.083556400	889.616162710	972.444807930	1063.281717180	1162.908528800
50	888.441076470	972.998157770	1065.922064680	1168.049184600	1280.299381680

t \ p	0.1025	0.105	0.1075	0.11	0.1125
1	1.102500000	1.105000000	1.107500000	1.110000000	1.112500000
2	2.31800625	2.32602500	2.33405625	2.34210000	2.35015625
3	3.65810189	3.67525763	3.69246730	3.70973100	3.72704883
4	5.13555733	5.16615968	5.19690753	5.22780141	5.25884182
5	6.76445196	6.81360644	6.86307509	6.91285957	6.96296153
6	8.56030829	8.63403512	8.70835566	8.78327412	8.85879470
7	10.54023989	10.64560881	10.75200390	10.85943427	10.96790910
8	12.72311448	12.86839773	13.01534432	13.16397204	13.31429888
9	15.12973371	15.32457949	15.52199383	15.72200896	15.92465750
10	17.78303141	18.03866034	18.29810817	18.56142995	18.82868147
11	20.70829213	21.03771967	21.37265479	21.71318724	22.05940813
12	23.93339208	24.35168024	24.77771518	25.21163784	25.65359155
13	27.48906477	28.01360666	28.54881957	29.09491800	29.65212060
14	31.40919390	32.06003536	32.72531767	33.40535898	34.10048416
15	35.73113628	36.53133908	37.35078932	38.18994847	39.04928863
16	40.49607775	41.47212968	42.47349917	43.50084281	44.55483360
17	45.74942572	46.93170330	48.14690033	49.39593551	50.6795238
18	51.54124185	52.96453214	54.43019212	55.93948842	57.49372453
19	57.92671914	59.63080802	61.38893777	63.20283215	65.07426854
20	64.96670785	66.99704286	69.09574858	71.26514368	73.50762375
21	72.72829541	75.13673236	77.63104155	80.21430949	82.88973142
22	81.28544569	84.13108926	87.08387852	90.14788353	93.32732620
23	90.71970387	94.06985363	97.55289546	101.17415072	104.93915040
24	101.12097352	105.05218826	109.14733173	113.41330730	117.85730482
25	112.58837331	117.18766803	121.98816989	126.99877110	132.22875161
26	125.23118157	130.59737317	136.20939815	142.07863592	148.21698617
27	139.16987768	145.41509736	151.95940845	158.81728587	166.00389711
28	154.53729014	161.78868258	169.40254486	177.39718732	185.79183554
29	171.47986238	179.88149425	188.72081843	198.02087793	207.80591704
30	190.15904828	199.87405114	210.11580641	220.91317450	232.29658270
31	210.75285072	221.96582651	233.81075560	246.32362369	259.54244826
32	233.45751792	246.37723830	260.05291183	274.52922230	289.85347368
33	258.48941351	273.35184832	289.11609985	305.83743675	323.57448947
34	286.08707840	303.15879239	321.30358058	340.58955480	361.08911954
35	316.51350393	336.09546560	356.95121550	379.16440582	402.82414549
36	350.05863808	372.49048948	396.43097116	421.98249046	449.25436185
37	387.04214849	412.70699088	440.15480056	469.51056441	500.90797756
38	427.81646871	457.14622492	488.57894162	522.26672650	558.37262504
39	472.77015675	506.25157854	542.20867785	580.82606641	622.30204536
40	522.33159782	560.51299428	601.60361072	645.82693372	693.42352546
41	576.97308659	620.47185868	667.38349887	717.97789643	772.54617207
42	637.21532797	686.72640385	740.23472500	798.06546504	860.57011643
43	703.63239909	759.93767625	820.91745793	886.96266619	958.49675453
44	776.85721999	840.83613225	910.27358466	985.63855947	1067.44013941
45	857.58758504	930.22892614	1009.23549501	1095.16880101	1188.63965510
46	946.59281251	1029.00796339	1118.83581072	1216.74736912	1323.47411630
47	1044.72107579	1138.15879954	1240.21816038	1351.69957973	1473.47745438
48	1152.90748606	1258.77047349	1374.64911262	1501.49653350	1640.35616800
49	1272.18300338	1392.04637321	1523.53139222	1667.77115218	1826.00873690
50	1403.68426122	1539.31624240	1688.41851689	1852.33597892	2032.54721980

t \ p	0.115	0.1175	0.12	0.1225	0.125
1	1.115000000	1.117500000	1.120000000	1.122500000	1.125000000
2	2.358225000	2.366306250	2.374400000	2.382506250	2.390625000
3	3.744420888	3.761847233	3.779328000	3.796863277	3.814453133
4	5.290029288	5.321364428	5.352847366	5.384479202	5.416259777
5	7.013382644	7.064124599	7.115189044	7.166577700	7.218292244
6	8.934921655	9.011659233	9.089011733	9.166983466	9.245578777
7	11.077437644	11.188029199	11.299693144	11.412438944	11.526276111
8	13.466342966	13.620122266	13.775656311	13.932962711	14.092060633
9	16.129972400	16.337987200	16.548735700	16.762250644	16.978568820
10	19.099919233	19.375200500	19.654583288	19.938126344	20.225889233
11	22.411409944	22.769286566	23.133133277	23.503046802	23.879125388
12	26.103722099	26.562177733	27.029109266	27.504670055	27.989016066
13	30.220650133	30.800733611	31.392602388	31.996492144	32.612643066
14	34.811024899	35.537319811	36.279714666	37.038562422	37.814223455
15	39.929292755	40.830454899	41.753280422	42.698286322	43.666001388
16	45.636161422	46.745533344	47.883674077	49.051326399	50.249251555
17	51.999319988	53.355633500	54.749714966	56.182613888	57.655407799
18	59.094241788	60.742420444	62.439680755	64.187484088	65.987333999
19	67.005079588	68.997154844	71.052442444	73.172950877	75.360750744
20	75.825663744	78.221820533	80.698735544	83.259137366	85.905844588
21	85.660615077	88.530384455	91.502583800	94.580881688	97.769075155
22	96.626585800	100.050204622	103.602893866	107.289539699	111.115209555
23	108.853643177	112.923603666	117.155241122	121.555008300	126.129610744
24	122.486812133	127.309627099	132.333870066	137.567996822	143.020812099
25	137.687795533	143.386008288	149.333934466	155.542576433	162.023413600
26	154.636892011	161.351364255	168.374006600	175.719042044	183.401340300
27	173.535134599	181.427649555	189.698887399	198.367124699	207.451507833
28	194.606675077	203.862898377	213.582753888	223.789597466	234.507946311
29	218.101442700	228.934288933	240.332684344	252.326323155	264.946439600
30	244.298108611	256.951567888	270.292606466	284.358797744	299.189744555
31	273.507391111	288.260877100	303.847719244	320.315250466	337.713462622
32	306.075741088	323.249030166	341.429445555	360.676368644	381.052645455
33	342.389451311	362.348291211	383.520979011	405.981723800	429.809226133
34	382.879238211	406.041715422	430.663496499	456.836984977	484.660379399
35	428.025350600	454.869116999	483.463116077	513.922015633	546.367926822
36	478.363265922	509.433738233	542.598690000	577.999962544	615.788917677
37	534.490041500	570.409702477	608.830532800	649.927457955	693.887532388
38	597.071396277	638.550342511	683.010196744	730.666071555	781.748473933
39	666.849606885	714.697507766	766.091420344	821.295165322	880.592033177
40	744.652311633	799.791964922	859.142390799	923.026323077	991.791037311
41	831.402327477	894.885020800	963.359477688	1037.219547655	1116.889916988
42	928.128595133	1001.151510744	1080.082615000	1165.401442233	1257.626156600
43	1035.978383577	1119.904313266	1210.812528800	1309.285618911	1415.954426188
44	1156.230897688	1252.610570066	1357.230032266	1470.795607222	1594.073729455
45	1290.312450911	1400.909812055	1521.217636133	1652.090569111	1794.457945633
46	1439.813382777	1566.634214966	1704.883752477	1855.594163822	2019.890188833
47	1606.506921799	1751.831235222	1910.589802766	2084.026948899	2273.501462444
48	1792.370217799	1958.788905366	2140.980579099	2340.442750133	2558.814145244
49	1999.607792844	2190.064101744	2399.018248588	2628.269487022	2879.790913400
50	2230.677689022	2448.514133699	2688.020438411	2951.354999918	3240.889777577

t \ p	0.1275	0.13	0.1325	0.135	0.1375
1	1.127500000	1.130000000	1.132500000	1.135000000	1.137500000
2	2.39875625	2.40690000	2.41505625	2.42322500	2.43140625
3	3.83209767	3.84979700	3.86755120	3.88536038	3.90322461
4	5.44819013	5.48027061	5.51250174	5.54488403	5.57741799
5	7.27033437	7.32270579	7.37540822	7.42844337	7.48181297
6	9.32480200	9.40465754	9.48514981	9.56628322	9.64806225
7	11.64121425	11.75726302	11.87443216	11.99273146	12.11217081
8	14.25296907	14.41570722	14.58029442	14.74675021	14.91509430
9	17.19772263	17.41974915	17.64468343	17.87256148	18.10341976
10	20.51793226	20.81431654	21.11510398	21.42035728	21.73013998
11	24.26146862	24.65017769	25.04535526	25.447110552	25.85553423
12	28.48230587	28.98470079	29.49636483	30.01746476	30.54817018
13	33.24129987	33.88271190	34.53713317	35.20482251	35.88604358
14	38.60706561	39.41746444	40.24580332	41.09247354	41.95787457
15	44.65696647	45.67173482	46.71087225	47.77495747	48.86458233
16	51.47822970	52.73906035	54.03256283	55.35957673	56.72096240
17	59.16920398	60.72513819	62.32437740	63.96811959	65.65759473
18	67.84077749	69.74940616	71.71485741	73.73881573	75.82301400
19	77.61797662	79.94682896	82.34957602	84.82855586	87.38617843
20	88.64176864	91.46991672	94.39339484	97.41541090	100.53927796
21	101.07109414	104.49100590	108.03301965	111.70149137	115.50092868
22	115.08515864	119.20483667	123.47989476	127.91619271	132.51980638
23	130.88601637	135.83146543	140.97348081	146.31987872	151.87877975
24	148.70148346	154.61955594	160.78496702	167.20806235	173.89961197
25	168.78842260	175.85009821	183.22147515	190.91615077	198.94830862
26	191.43644648	199.84061098	208.63082061	217.82483112	227.44120105
27	216.97209341	226.94989040	237.40690434	248.36618332	259.85186620
28	245.76353531	257.58337616	269.99581916	283.03061807	296.71899780
29	278.22588607	292.19921506	306.90276520	322.37475151	338.65535999
30	314.82718654	331.31511301	348.69988159	367.03034296	386.35797199
31	356.09515282	375.51607771	396.03511590	417.71443926	440.61969314
32	402.62478481	425.46316781	449.64226876	475.24088856	502.34240095
33	455.08694487	481.90337962	510.35236937	540.53340851	572.55198108
34	514.23803034	545.68081897	579.10655831	614.64041866	658.41537848
35	580.93087921	617.74932544	656.97067729	698.75187518	743.25999302
36	656.12706631	699.18673775	745.15179203	794.21837833	846.59574206
37	740.91076727	791.21101365	845.01690447	902.57285941	964.14015659
38	836.50439009	895.19844543	958.11414432	1025.55519543	1097.84692813
39	944.28619983	1012.70424333	1086.19676844	1165.14014681	1249.93838074
40	1065.81019031	1145.48579497	1231.25034026	1323.56906663	1422.94240809
41	1202.82848957	1295.52894831	1395.52351034	1503.38589063	1619.73448921
42	1357.31662200	1465.07771159	1581.56287546	1707.47798586	1843.58548147
43	1531.50199130	1656.66781410	1792.25245646	1939.12251395	2098.21598518
44	1727.89599519	1873.16462994	2030.85840694	2202.03905334	2387.85818314
45	1949.33023458	2117.80603183	2301.07964586	2500.44932554	2717.32618332
46	2198.99733949	2394.25081596	2607.10519894	2839.14498448	3092.09603353
47	2480.49700027	2706.6342204	2953.67913780	3223.56455739	3518.39673814
48	2797.88786781	3059.62576691	3346.17412356	3659.88077264	4003.31378963
49	3155.74607095	3458.50711660	3790.67469493	4155.09967694	4554.90693570
50	3559.23119500	3909.24304176	4294.07159200	4717.17313333	5182.34413936

t \ p	0.14	0.1425	0.145	0.1475	0.15
1	1.140000000	1.142500000	1.145000000	1.147500000	1.150000000
2	2.439600000	2.44780625	2.456025000	2.46425625	2.472500000
3	3.921144000	3.93911864	3.95714863	3.97523405	3.993375000
4	5.61010416	5.64294305	5.67593518	5.70908107	5.74238125
5	7.53551874	7.58956243	7.64394578	7.69867053	7.75373844
6	9.73049137	9.81357508	9.89731791	9.98172443	10.06679920
7	12.23276016	12.35450953	12.47742901	12.60152878	12.72681908
8	15.08534658	15.25752713	15.43165622	15.60775428	15.78584195
9	18.33729510	18.57422475	18.81424637	19.05739803	19.30371824
10	22.04451641	22.36355178	22.68731209	23.01586424	23.34927597
11	26.27074871	26.69285791	27.12197235	27.55820422	28.00166737
12	31.08865353	31.63909016	32.19965834	32.77053934	33.35191748
13	36.58106503	37.29016050	38.01360880	38.75169390	39.50470510
14	42.84241413	43.74650838	44.67058207	45.61506874	46.58041086
15	49.98035211	51.12288582	52.29281647	53.49079138	54.71747249
16	58.11760141	59.55039705	61.02027486	62.52818311	64.07509336
17	67.39406560	69.17882863	71.01321471	72.89859012	74.83635737
18	77.96923479	80.17931171	82.45513085	84.79863217	87.21181097
19	90.02492766	92.74736363	95.55612482	98.45393041	101.44358262
20	103.76841753	107.10636294	110.55676292	114.12338515	117.81012001
21	119.43599598	123.51151966	127.73249354	132.10408445	136.63163801
22	137.29703542	142.25441121	147.39870511	152.73693691	158.27638372
23	157.65862038	163.66816481	169.91651735	176.41313511	183.16784127
24	180.87082723	188.13337830	195.69941236	203.58157253	211.793011747
25	207.33274304	216.08488470	225.22082715	234.75735448	244.71197009
26	237.49932707	248.01948078	259.02284709	270.53156427	282.56876560
27	271.88923286	284.50475679	297.72615992	311.58247000	326.10408044
28	311.09372546	326.18918463	342.04145311	358.68838432	376.16969250
29	355.78684702	373.81364344	392.78246381	412.74242101	433.74514638
30	406.73700561	428.22458763	450.88092106	474.76942811	499.95691834
31	464.82018639	490.38909136	517.40365461	545.94541876	576.10045609
32	531.03501249	561.41203688	593.57218453	627.61986803	663.66552450
33	606.51991423	642.55575214	680.78515129	721.34129856	764.36535317
34	692.57270223	735.26244682	780.64399823	828.88664010	880.17015615
35	790.67288054	841.17984549	894.98237797	952.29491951	1013.34567957
36	902.50708382	962.19047347	1025.89982278	1093.90592014	1166.49753151
37	1029.99807555	1100.44511594	1175.80029708	1256.40454336	1342.62216123
38	1175.33780613	1258.40104496	1347.43634015	1442.87171351	1545.16548542
39	1341.02509898	1438.86569387	1543.95960948	1656.84279125	1778.09030823
40	1529.90861284	1645.04655525	1768.97875285	1902.37460296	2045.95385447
41	1745.23581864	1880.60818937	2026.62567201	2184.12235689	2353.99693264
42	1990.70883325	2149.73735636	2321.63139446	2507.42790453	2708.24647253
43	2270.54806990	2457.21742964	2659.41294665	2878.42102045	3115.63344341
44	2589.56479969	2808.51341336	3046.17282392	3304.13562097	3584.12845992
45	2953.24387165	3209.86907476	3489.01288339	3792.64312506	4122.89772891
46	3367.83801368	3668.41791792	3996.06475148	4353.20548601	4742.48238825
47	3840.47533559	4192.30997122	4576.63914044	4996.45109250	5455.00474648
48	4379.28188258	4790.85664212	5241.39681580	5734.57478749	6274.40545846
49	4993.52134614	5474.69621362	6002.54435410	6581.57206864	7216.71627723
50	5693.75433460	6255.98292406	6874.05828544	7553.50144877	8300.37371881

t \ p	0.1525	0.155	0.1575	0.16	0.1625
1	1.152500000	1.155000000	1.157500000	1.160000000	1.162500000
2	2.48075625	2.48902500	2.49730625	2.50560000	2.51390625
3	4.01157158	4.02982388	4.04813198	4.06649600	4.08491602
4	5.77583624	5.80944658	5.84321277	5.87713536	5.91121487
5	7.80915127	7.86491079	7.92101878	7.97747702	8.03428728
6	10.15254684	10.23897197	10.32607924	10.41387334	10.50235897
7	12.85331023	12.98101262	13.10993672	13.24009307	13.37149230
8	15.96594004	16.14806958	16.33225176	16.51850797	16.70685980
9	19.55324590	19.80602036	20.06208141	20.32146924	20.58422452
10	23.68761590	24.03095352	24.37935923	24.73290432	25.09166100
11	28.45247732	28.91075132	29.37660831	29.85016901	30.33155591
12	33.94398012	34.54691777	35.16092412	35.78619605	36.42293375
13	40.27293708	41.05669003	41.85626967	42.67198742	43.50416048
14	47.56705999	48.57547698	49.60613214	50.65950541	51.73608656
15	55.97353664	57.25967591	58.57659795	59.92502627	61.30570063
16	65.66200098	67.28992568	68.95991213	70.67303048	72.43037698
17	76.82795612	78.87486416	80.97859829	83.14071536	85.36281324
18	89.69671943	92.25546810	94.89022752	97.60322981	100.39677039
19	104.52796915	107.71006566	110.99293835	114.37974658	117.87374558
20	121.62098444	125.56012583	129.63182614	133.84050604	138.19072923
21	141.32068457	146.17694534	151.20633876	156.41498700	161.80922274
22	164.02458897	169.98937187	176.17883711	182.60138492	189.26572143
23	190.19083878	197.49272451	205.08450396	212.97760651	221.18390116
24	220.34744170	229.25909680	238.54281333	248.21402355	258.28878510
25	255.10292656	265.94925681	277.27080643	289.08826732	301.42321268
26	295.15862285	308.32639161	322.09845844	336.50239009	351.56698474
27	341.32281284	357.27198231	373.98646565	391.50277250	409.85911976
28	394.52704180	413.80413957	434.04683399	455.30321610	477.62372672
29	455.84491567	479.09878121	503.56671034	529.31173068	556.40008231
30	526.51376531	554.51409229	584.03596722	615.16160759	647.97759569
31	607.95961452	641.61877660	677.17913205	714.74746480	754.43645499
32	701.82595574	742.22468697	784.99234535	830.26705917	878.19487892
33	810.00691399	858.42451345	909.78613974	964.26978864	1022.06404675
34	934.68546837	992.63513304	1054.23495675	1119.71295482	1189.31195435
35	1078.37750230	1147.64878656	1221.43446244	1300.02702759	1383.73764693
36	1243.98257140	1326.68934847	1414.96789028	1509.19135201	1609.75751455
37	1434.84241354	1533.48119749	1638.98283300	1751.82196833	1872.50561067
38	1654.80838160	1772.32578310	1898.28012919	2033.27348326	2177.95027240
39	1908.31915979	2048.19127948	2198.41674954	2359.75724058	2533.02969167
40	2200.49033166	2366.81592780	2545.82488759	2738.47839907	2945.80951656
41	2537.21760724	2734.82739661	2947.94980739	3177.79494293	3425.66606301
42	2925.29579235	3159.88064308	3413.40940205	3687.40213380	3983.49929825
43	3372.55590068	3650.81714276	3952.17888288	4278.54647520	4631.98043421
44	3888.02317553	4217.84879988	4575.80455693	4964.27391123	5385.83975477
45	4482.09920980	4872.77036387	5297.65127464	5759.71773703	6262.20121492
46	5166.77183929	5629.20477027	6133.18885040	6682.43257496	7280.97141234
47	5955.85704479	6502.88650966	7100.32359434	7752.78178695	8465.29176685
48	6865.27774412	7511.98891865	8219.78206045	8994.38687286	9842.06417896
49	7913.38510010	8677.50220105	9515.55523497	10434.64877252	11442.56210804
50	9121.32882786	10023.67004221	11015.41268448	12105.35257612	13303.14095060

t \ p	0.165	0.1675	0.17	0.1725	0.175
1	1.165000000	1.167500000	1.170000000	1.172500000	1.175000000
2	2.522225000	2.530556250	2.538900000	2.547256250	2.555625000
3	4.103392130	4.121924420	4.140513000	4.159157950	4.177859380
4	5.945451830	5.979846760	6.014400210	6.049112700	6.083984770
5	8.091451380	8.148971100	8.206848250	8.265084640	8.323682100
6	10.591540850	10.681423750	10.772012450	10.863311740	10.955326470
7	13.504145090	13.638062230	13.773254560	13.909733020	14.047508600
8	16.897329040	17.089937660	17.284707840	17.481661960	17.680822600
9	20.850388330	21.120002210	21.393108170	21.669748650	21.949966560
10	25.455702400	25.825102580	26.199936560	26.580280290	26.966210710
11	30.820893300	31.318307270	31.823925780	32.337878640	32.860297580
12	37.071340690	37.731623730	38.403993160	39.088662710	39.785849660
13	44.353111900	45.219170710	46.102672000	47.003957030	47.923373350
14	52.836375370	53.960881800	55.110126230	56.284639610	57.484963680
15	62.719377300	64.166829510	65.648847690	67.166239950	68.719832330
16	74.233074560	76.082273450	77.979151800	79.924916340	81.920802990
17	87.646531860	89.993554250	92.405607610	94.884464410	97.431943510
18	103.273209620	106.234974590	109.284560900	112.424534520	115.657533620
19	121.478289210	125.196832830	129.032936260	132.990266720	137.072602010
20	142.687206930	147.334802330	152.138535420	157.103587730	162.235307360
21	167.395596070	173.180881720	179.172086440	185.376456610	191.801486110
22	196.180869420	203.356179410	210.801341140	218.526395380	226.541746220
23	229.715712870	238.585839460	247.807569130	257.394698580	267.361551810
24	268.783805500	279.716467570	291.104855880	302.967784090	315.324823370
25	314.298133400	327.736475890	341.762681380	356.402226840	371.681667460
26	367.322325420	383.799835600	401.032337220	419.054110970	437.900959270
27	429.095509110	449.253808070	470.377834540	492.513445110	515.708627140
28	501.061268110	525.671320920	551.512066420	578.644514400	607.132636890
29	584.901377350	614.888767170	646.439117710	679.633193130	714.555848350
30	682.575104610	719.050135670	757.503767720	798.042418950	840.778121810
31	796.364996870	840.658533400	887.449408230	936.877236210	989.089293120
32	928.930221360	982.636337740	1039.485807630	1099.661059460	1163.354919420
33	1083.368707880	1148.395424310	1217.368394930	1290.525092220	1368.117030320
34	1263.289544680	1341.919157890	1425.491022060	1514.313170620	1608.712510630
35	1472.897319560	1567.858116830	1668.994495810	1776.704692560	1891.412199980
36	1717.090377280	1831.641851400	1953.893560100	2084.358752020	2223.584334980
37	2001.575289540	2139.609361510	2287.225465320	2445.083136750	2613.886593600
38	2333.000212310	2499.161429570	2677.223794430	2868.032477840	3072.491747480
39	2719.110247340	2918.938469020	3133.521839480	3363.940580260	3611.352803290
40	3168.928438150	3409.028162580	3667.390552190	3945.392830360	4244.514543870
41	3692.966630450	3981.207879810	4292.016946060	4627.145593600	4988.479589050
42	4303.471124470	4649.227699680	5022.829826890	5426.500708490	5862.638517130
43	5014.708860010	5429.140839380	5877.880897460	6363.744580710	6889.775257630
44	5843.300821910	6339.689429970	6878.290650030	7462.663020880	8096.660927720
45	6808.610457520	7402.754909490	8048.770060540	8751.144891980	9514.751590070
46	7933.196183020	8643.883856830	9418.230970830	10261.889885840	11181.008118330
47	9243.338553210	10092.901902850	11020.500235870	12033.238391150	13138.859539030
48	10769.654414490	11784.630471580	12895.155275970	14110.144513630	15439.334958370
49	12547.812392890	13759.723575570	15088.501672880	16545.316942230	18142.393576080
50	14619.366437710	16065.644774480	17654.716957270	19400.556614760	21318.487451890

t \ p	0.1775	0.18	0.1825	0.185	0.1875
1	1.177500000	1.180000000	1.182500000	1.185000000	1.187500000
2	2.56400625	2.57240000	2.58080625	2.58922500	2.59765625
3	4.19661736	4.21543200	4.23430339	4.25323163	4.27221680
4	6.11901694	6.15420976	6.18956376	6.22507948	6.26075745
5	8.38264245	8.44196752	8.50165915	8.56171918	8.62214947
6	11.04806148	11.14152167	11.23571194	11.33063723	11.42630249
7	14.18659240	14.32699557	14.46872937	14.61180511	14.75623421
8	17.88221255	18.08585477	18.29177248	18.49998906	18.71052812
9	22.23380527	22.52130863	22.81252096	23.10748704	23.40625215
10	27.35780571	27.75514419	28.15830603	28.56737214	28.98242443
11	33.39131622	33.93107014	34.47969688	35.03733598	35.60412901
12	40.49577485	41.21866276	41.95474156	42.70424314	43.46740319
13	48.86127489	49.81802206	50.79398190	51.78952812	52.80504129
14	58.71165118	59.96526603	61.24638359	62.55559082	63.89348653
15	70.31046926	71.93901392	73.60634860	75.31337512	77.06101526
16	83.96807756	86.06803642	88.22200722	90.43134952	92.69745562
17	100.04991132	102.74028298	105.50502353	108.34614918	111.26572855
18	118.98627058	122.41353392	125.94219033	129.57518678	133.31555265
19	141.28383361	145.62797002	150.10914006	154.73159634	159.49971878
20	167.53921408	173.02100463	178.68655813	184.54194166	190.59341605
21	198.45492458	205.34478546	212.47935498	219.86720087	227.51718155
22	234.85817369	243.48684684	252.43933727	261.72763303	271.36415310
23	277.72299952	288.49447928	299.69201632	311.33224514	323.43243180
24	328.19633193	341.60348554	355.56830930	370.11371049	385.26351276
25	387.62868085	404.27211294	421.64202574	439.76974693	458.68792141
26	457.61027170	478.22109327	499.77419544	522.31215011	545.87940667
27	540.01359493	565.48089006	592.16548611	620.12489788	649.41929542
28	637.04350803	668.44745027	701.41818732	736.03300399	772.37291332
29	751.29623070	789.94799132	830.60950651	873.38410973	918.38033456
30	885.82881165	933.31862976	983.37824145	1036.14517003	1091.76414729
31	1044.24092572	1102.49598312	1164.02727051	1229.01702649	1297.65742491
32	1230.77119004	1302.12526008	1377.64474738	1457.57017639	1542.15569208
33	1450.41057627	1537.68780689	1630.24741378	1728.40565902	1832.49738435
34	1709.03595356	1815.65161213	1928.95006680	2049.34570594	2177.27814391
35	2013.56733531	2143.64890232	2282.16595399	2429.65966153	2586.70529589
36	2372.15303733	2530.68570473	2699.84374059	2880.33169892	3072.90003887
37	2794.38770146	2987.38913158	3193.74772325	3414.37806322	3650.25629616
38	3291.56901847	3526.29917527	3777.78918274	4047.22300491	4335.86685169
39	3877.00001925	4162.21302682	4468.41820859	4797.14426082	5150.02938639
40	4566.34502266	4912.59137165	5285.08703166	5685.80094907	6116.84739633
41	5378.04876418	5798.03781854	6250.79791493	6738.85912465	7264.94378315
42	6333.82991983	6842.86462588	7392.75103441	7986.73306271	8628.30824249
43	7459.26223060	8075.76025854	8743.11059819	9465.46367931	10243.30353795
44	8784.45877653	9530.57710507	10339.91078236	11217.75945999	12169.86045132
45	10344.87770936	11247.26098399	12228.12700014	13294.22996008	14452.89678594
46	12182.27100277	13272.94796110	14460.94267767	15754.84750270	17164.00243330
47	14345.80160577	15663.25859410	17101.24721634	18670.67929070	20383.44038955
48	16893.35889079	18483.82514104	20223.40733332	22125.93995948	24206.52296259
49	19893.10759390	21812.09366643	23915.36167165	26220.42385198	28746.43351807
50	23425.31169182	25739.45052639	28281.09767673	31072.38726460	34137.57730271

t \ p	0.19	0.1925	0.195	0.1975	0.2
1	1.190000000	1.192500000	1.195000000	1.197500000	1.200000000
2	2.60610000	2.61455625	2.62302500	2.63150625	2.64000000
3	4.29125900	4.31035833	4.32951488	4.34872873	4.36800000
4	6.29659821	6.33260231	6.36877028	6.40510266	6.44160000
5	8.68295187	8.74412825	8.80568048	8.86761043	8.92992000
6	11.52271273	11.61987294	11.71778817	11.81646350	11.91590400
7	14.90202814	15.04919848	15.19775687	15.34771504	15.49908480
8	18.92341349	19.13866919	19.35631946	19.57638876	19.79890176
9	23.70886205	24.01536300	24.32580175	24.64022553	24.95868211
10	29.40354584	29.83082038	30.26433309	30.70417008	31.15041853
11	36.18021955	36.76575331	37.36087804	37.96574367	38.58050224
12	44.24446127	45.03566082	45.84124926	46.66147804	47.49660269
13	53.84090891	54.89752553	55.97529287	57.07461996	58.19592323
14	65.26068160	66.65779919	68.08547498	69.54435740	71.03510787
15	78.85021111	80.68192553	82.55714260	84.47686798	86.44212945
16	95.02175122	97.40569620	99.85078540	102.35854941	104.93055534
17	114.26588395	117.34879272	120.51668856	123.77186292	127.11666640
18	137.16640190	141.13093532	145.21244283	149.41430584	153.73999969
19	164.41801826	169.49114036	174.72386918	180.12113125	185.68799962
20	196.84744173	203.31068488	209.99002367	216.89255467	224.02559955
21	235.43845566	243.64049172	252.13307828	260.92633422	270.03071946
22	281.36176223	291.73378638	302.49402855	313.65678523	325.23686335
23	336.01049706	349.08504026	362.67536411	376.80150031	391.48423602
24	401.04249150	417.47641051	434.59206012	452.41729662	470.98108322
25	478.43056488	499.03311953	520.53251184	542.96721270	566.37729986
26	570.52237221	596.28949504	623.23135165	651.40073721	680.85275984
27	680.11162293	712.26772284	745.95646522	781.24988281	818.22331180
28	810.52283129	850.57175948	892.61297593	936.74423466	983.06797417
29	965.71216923	1015.49932318	1067.86750624	1122.94872101	1180.88156900
30	1150.38748139	1212.17544289	1277.29666996	1345.92859341	1418.25788280
31	1370.15110285	1446.71171565	1527.56452060	1612.94699061	1703.10945936
32	1631.66981239	1726.39622091	1826.63460212	1932.70152125	2044.93135123
33	1942.87707675	2059.91999344	2184.02334953	2315.60757170	2455.11762148
34	2313.21372133	2457.64092118	2611.10290269	2774.13756711	2947.34114577
35	2753.91432838	2931.93665742	3121.46296871	3323.22723661	3538.00937493
36	3278.34805077	3497.52696397	3731.34324761	3980.76211585	4246.81124991
37	3902.42418042	4171.99340454	4460.15018090	4768.16013373	5097.37349989
38	4645.07477470	4976.29463491	5331.07446617	5711.06926014	6118.04819987
39	5528.82898189	5935.42385213	6371.82898707	6840.20293901	7342.85783985
40	6580.49648845	7079.18544367	7615.53063955	8192.34051947	8812.62940781
41	7831.98082126	8443.12114158	9101.75411427	9811.52527206	10576.35528938
42	9321.24717730	10069.61446133	10877.79116655	11750.49901330	12692.82634725
43	11093.47414099	12009.20774513	13000.15544403	14072.42006842	15232.59161670
44	13202.42422777	14322.17273607	15536.38075561	16852.92053194	18280.30994004
45	15712.07483105	17080.38348777	18567.17000296	20182.56983699	21937.57192805
46	18698.55904895	20369.54980916	22188.96315353	24169.82487980	26326.28631366
47	22252.47526825	24291.88064743	26517.00596847	28944.56279356	31592.74357640
48	26481.63556922	28969.26017205	31689.01713232	34662.31144529	37912.49229168
49	31514.33632737	34547.03525518	37869.57047312	41509.31545573	45496.19075001
50	37503.25022957	41198.53204180	45255.33171538	49708.60275824	54596.62890001

3.4 Četvrta finansijska tablica

$$IV_p^t := II_p^t + II_p^{t-1} + \dots + II_p^1$$

3 Finansijske tablice

t \ p	0.0025	0.005	0.0075	0.01	0.0125
1	0.997506234	0.995024876	0.992555831	0.990099010	0.987654321
2	1.992524922	1.985099379	1.977722909	1.970395059	1.963115379
3	2.985062266	2.970248138	2.955556238	2.940985207	2.926533707
4	3.975124455	3.950495660	3.926110410	3.901965552	3.878057983
5	4.962717661	4.925866328	4.889439612	4.853431239	4.817835045
6	5.947848041	5.896384406	5.845597630	5.795476475	5.746009921
7	6.930521737	6.862074036	6.794637846	6.728194529	6.662725847
8	7.910744875	7.822959240	7.736613247	7.651677752	7.568124294
9	8.888523566	8.779063920	8.671576424	8.566017576	8.462344982
10	9.863863906	9.730411861	9.599579577	9.471304531	9.345525908
11	10.836771976	10.677026727	10.520674518	10.367628248	10.217803366
12	11.807253841	11.618932067	11.434912673	11.255077473	11.079311966
13	12.775315552	12.556151310	12.342345085	12.133740073	11.930184658
14	13.740963145	13.488707771	13.243022417	13.003703042	12.770552748
15	14.704202638	14.416624648	14.136994955	13.865052517	13.600545924
16	15.665040038	15.339925023	15.024312610	14.717873779	14.420292271
17	16.623481335	16.258631864	15.905024923	15.562251267	15.229918292
18	17.579532503	17.172768024	16.779181065	16.398268581	16.029548931
19	18.533199505	18.082356242	17.646829841	17.226008496	16.819307586
20	19.484488284	18.987419147	18.508019694	18.045552966	17.599316134
21	20.433404772	19.887979250	19.362798703	18.856983135	18.369694947
22	21.379954885	20.784058956	20.211214594	19.660379342	19.130562911
23	22.324144523	21.675680553	21.053314733	20.455821130	19.882037443
24	23.265979574	22.562866222	21.889146137	21.243387258	20.624234512
25	24.205465910	23.445638032	22.718755471	22.023155701	21.357268653
26	25.142609386	24.324017942	23.542189054	22.795203664	22.081252991
27	26.077415847	25.198027803	24.359492857	23.559607588	22.796299250
28	27.009891119	26.067689356	25.170712513	24.316443157	23.502517778
29	27.940041016	26.933024235	25.975893313	25.065785304	24.200017559
30	28.867871338	27.794053965	26.775080212	25.807708221	24.888906231
31	29.793387868	28.650799965	27.568317828	26.542285368	25.569290104
32	30.716596377	29.503283548	28.355650450	27.269589473	26.241274177
33	31.637502621	30.351525918	29.137122034	27.989692547	26.904962150
34	32.556112340	31.195548177	29.912776213	28.702665889	27.560456445
35	33.472431262	32.035371320	30.682656291	29.408580088	28.207858217
36	34.386465099	32.871016239	31.446805251	30.107505037	28.847267375
37	35.298219550	33.702503721	32.205265578	30.799509938	29.478782593
38	36.207700299	34.529854448	32.958080157	31.484663305	30.102501326
39	37.114913017	35.353089003	33.705290478	32.163032975	30.718519828
40	38.019863358	36.172227864	34.446938440	32.834686114	31.326933164
41	38.922556966	36.987291407	35.183065449	33.499689222	31.927835223
42	39.822999467	37.798299908	35.913712605	34.158108140	32.521318739
43	40.721196476	38.605273540	36.638920699	34.810080806	33.107475298
44	41.617153592	39.408232378	37.358730223	35.455453524	33.686395356
45	42.510876401	40.207196396	38.073181362	36.094508440	34.258168253
46	43.402370475	41.002185469	38.782314007	36.727236079	34.822882225
47	44.291641372	41.793219372	39.486167749	37.353699088	35.380624420
48	45.178694635	42.580317783	40.184781885	37.973959493	35.931480908
49	46.063535795	43.363500281	40.878195420	38.588078706	36.475536700
50	46.946170370	44.142786350	41.566447067	39.196117531	37.012875753

t \ p	0.015	0.0175	0.02	0.0225	0.025
1	0.985221675	0.982800983	0.980392157	0.977995110	0.975609756
2	1.955883424	1.948698755	1.941560938	1.934469545	1.927424152
3	2.912200417	2.897984034	2.883883273	2.869898666	2.856023563
4	3.854384648	3.830942540	3.807728699	3.784740211	3.761974208
5	4.782644973	4.747855076	4.713459509	4.679452529	4.645828496
6	5.697187165	5.648997617	5.601430891	5.554476801	5.508125362
7	6.598213956	6.534641393	6.471991069	6.410246260	6.349390597
8	7.485925080	7.405052966	7.325481440	7.247184607	7.170137167
9	8.360517320	8.260494316	8.162236706	8.065706217	7.970865529
10	9.222184552	9.101222915	8.982585006	8.866216349	8.752063931
11	10.071117785	9.927491808	9.786848045	9.649111344	9.514208713
12	10.907505207	10.739549688	10.575341221	10.414778820	10.257764598
13	11.731532224	11.537332224	11.348373746	11.163597868	10.983184974
14	12.543381501	12.322005869	12.106248771	11.895939235	11.690912170
15	13.343233006	13.092880461	12.849263501	12.612165511	12.381377726
16	14.131264045	13.850496767	13.577709314	13.312631307	13.055002660
17	14.907649306	14.595082818	14.291871877	13.997683430	13.712197717
18	15.672560892	15.326862720	14.992031252	14.667661056	14.353363626
19	16.426168367	16.046056728	15.678462011	15.322895898	14.978891343
20	17.168638785	16.752881305	16.351433345	15.963712370	15.589162286
21	17.900136734	17.447549194	17.011209161	16.590427746	16.184548571
22	18.620824369	18.130269478	17.658048197	17.203352319	16.765413240
23	19.330861447	18.801247644	18.292204115	17.802789554	17.332110478
24	20.030405366	19.460685645	18.913925603	18.389036238	17.884985833
25	20.719611198	20.108781961	19.523456474	18.962382629	18.424376422
26	21.398631723	20.745731657	20.121035758	19.523112596	18.950611143
27	22.067617461	21.371726444	20.706897802	20.071503761	19.464010872
28	22.726716710	21.986954736	21.281272355	20.607827639	19.964888655
29	23.376075576	22.591601707	21.844384662	21.132349769	20.453549908
30	24.015838006	23.185849343	22.396455551	21.645329848	20.930292593
31	24.646145819	23.769876504	22.937701521	22.147021856	21.395407408
32	25.267138738	24.343858972	23.468334824	22.637674187	21.849177959
33	25.878954422	24.907969506	23.988563553	23.117529767	22.291880935
34	26.481728494	25.462377893	24.498591719	23.586826178	22.723786278
35	27.075594576	26.007251000	24.998619332	24.045795773	23.145157345
36	27.660684311	26.542752826	25.488842482	24.494665793	23.556251068
37	28.237127400	27.069044546	25.969453414	24.933658477	23.957318115
38	28.805051625	27.586284566	26.440640602	25.362991176	24.348603039
39	29.364582882	28.094628566	26.902588826	25.782876455	24.730344428
40	29.915845204	28.594229549	27.355479241	26.193522206	25.102775052
41	30.458960792	29.085237886	27.799489452	26.595131742	25.466122002
42	30.994050042	29.567801362	28.234793580	26.987903904	25.820606831
43	31.521231568	30.042065221	28.661562333	27.372033158	26.166445689
44	32.040622235	30.508172207	29.079963072	27.747709690	26.503849453
45	32.552337177	30.966262612	29.490159875	28.115119501	26.833023856
46	33.056489830	31.416474311	29.892313602	28.474444500	27.154169616
47	33.553191950	31.858942812	30.286581963	28.825862591	27.467482552
48	34.042553646	32.293801290	30.673119572	29.169547767	27.773153709
49	34.524683395	32.721180629	31.052078012	29.505670187	28.071369473
50	34.999688074	33.141209463	31.423605894	29.834396271	28.362311681

t \ p	0.0275	0.03	0.0325	0.035	0.0375
1	0.973236010	0.970873786	0.968523002	0.966183575	0.963855422
2	1.920424340	1.913469696	1.906559809	1.899694275	1.892872696
3	2.842262132	2.828611355	2.815070033	2.801636981	2.788311032
4	3.739427865	3.717098403	3.694983082	3.673079209	3.651384127
5	4.612581864	4.579707187	4.547199111	4.515052375	4.483261809
6	5.462366778	5.417191444	5.372589938	5.328553020	5.285071623
7	6.289408056	6.230282955	6.171999940	6.114543980	6.057900360
8	7.094314410	7.019692190	6.946246915	6.873955537	6.802795528
9	7.877678258	7.786108922	7.696122921	7.607686509	7.520766774
10	8.640076163	8.530202837	8.422395080	8.316605323	8.212787252
11	9.382069259	9.252624113	9.125806373	9.001551036	8.879794941
12	10.104203658	9.954003994	9.807076391	9.663334335	9.522693919
13	10.807010860	10.634955334	10.466902073	10.302738488	10.142355585
14	11.491008136	11.296073139	11.105958424	10.920520278	10.739619841
15	12.156698916	11.937935087	11.724899200	11.517410896	11.315296232
16	12.804573154	12.561102026	12.324357579	12.094116808	11.870165043
17	13.435107692	13.166118472	12.904946808	12.651320588	12.404978355
18	14.048766611	13.753513079	13.467260831	13.189681727	12.920461065
19	14.646001567	14.323799106	14.011874897	13.709837418	13.417311870
20	15.227252134	14.877474860	14.539346147	14.212403302	13.896204212
21	15.792946116	15.415024136	15.050214186	14.697974205	14.357787192
22	16.343499869	15.936916637	15.545001633	15.167124836	14.802686450
23	16.879318607	16.443608386	16.024214656	15.620410469	15.231505012
24	17.400796698	16.935542122	16.488343493	16.058367603	15.644824108
25	17.908317955	17.413147691	16.937862947	16.481514592	16.043203960
26	18.402255917	17.876842419	17.373232879	16.890352263	16.427184539
27	18.882974128	18.327031474	17.794898672	17.285364505	16.797286303
28	19.350826402	18.764108228	18.203291692	17.667018846	17.154010895
29	19.806157082	19.188454590	18.598829726	18.035767001	17.497841826
30	20.249301297	19.600441349	18.981917410	18.392045411	17.829245134
31	20.680585204	20.000428495	19.352946644	18.736275760	18.148670008
32	21.100326232	20.388765529	19.712296992	19.068865468	18.456549406
33	21.508833316	20.765791776	20.060336069	19.390208182	18.753300632
34	21.906407120	21.131836675	20.397419922	19.700684234	19.039325910
35	22.293340263	21.487220073	20.723893387	20.000661095	19.315012926
36	22.669917531	21.832252498	21.040090447	20.290493812	19.580735350
37	23.036416089	22.167235435	21.346334574	20.570525422	19.836853349
38	23.393105682	22.492461587	21.642939054	20.841087365	20.083714072
39	23.740248839	22.808215133	21.930207317	21.102499869	20.321652117
40	24.078101060	23.114771974	22.208433237	21.355072337	20.550989993
41	24.406911007	23.412399975	22.477901440	21.599103708	20.772038547
42	24.726920688	23.701359199	22.738887593	21.834882809	20.985097395
43	25.038365633	23.981902135	22.991658686	22.062688705	21.190455320
44	25.341475069	24.254273917	23.236473303	22.282791019	21.388390670
45	25.636472087	24.518712541	23.473581892	22.495450260	21.579171730
46	25.923573807	24.775449069	23.703227014	22.700918125	21.763057089
47	26.202991540	25.024707834	23.925643597	22.899437802	21.940295990
48	26.474930939	25.266706635	24.141059174	23.091244253	22.111128665
49	26.739592155	25.501656927	24.349694115	23.276564496	22.275786665
50	26.997169980	25.729764007	24.551761855	23.455617871	22.434493171

t \ p	0.04	0.0425	0.045	0.0475	0.05
1	0.961538462	0.959232614	0.956937799	0.954653938	0.952380952
2	1.886094675	1.879359821	1.872667750	1.866018079	1.859410431
3	2.775091033	2.761975848	2.748964354	2.736055446	2.723248029
4	3.629895224	3.608609926	3.587525698	3.566640043	3.545950504
5	4.451822331	4.420728946	4.389976744	4.359560901	4.329476671
6	5.242136857	5.199739996	5.157872483	5.116525920	5.075692067
7	6.002054670	5.946992802	5.892700940	5.839165556	5.786373397
8	6.732744875	6.663782064	6.595886067	6.529036330	6.463212759
9	7.435331611	7.351349702	7.268790495	7.187624181	7.107821676
10	8.110895779	8.010887004	7.912718177	7.816347667	7.721734929
11	8.760476711	8.643536695	8.528916916	8.416561019	8.306414218
12	9.385073760	9.250394911	9.118580781	8.989557058	8.863251636
13	9.985647847	9.832513104	9.682852422	9.536569984	9.393572987
14	10.563122929	10.390899860	10.222825284	10.058778028	9.898640940
15	11.118387432	10.926522648	10.739545726	10.557305993	10.379658038
16	11.652295608	11.440309494	11.234015049	11.033227678	10.837769560
17	12.165668854	11.933150594	11.707191435	11.487568189	11.274066248
18	12.659296975	12.405899850	12.159991803	11.921306147	11.689586903
19	13.133939399	12.859376355	12.593293592	12.335375797	12.085320860
20	13.590326345	13.294365808	13.007936451	12.730669019	12.462210343
21	14.029159947	13.711621878	13.404723877	13.108037249	12.821152707
22	14.451115334	14.111867509	13.784424763	13.468293317	13.163002578
23	14.856841667	14.495796172	14.147774893	13.812213190	13.488573884
24	15.246963141	14.864073067	14.495478366	14.140537652	13.798641794
25	15.622079944	15.217336275	14.828208963	14.453973892	14.093944566
26	15.982769177	15.556197866	15.146611448	14.753197033	14.375185301
27	16.329585747	15.881244955	15.451302821	15.038851583	14.643033620
28	16.663063218	16.193040724	15.742873513	15.311552824	14.898127257
29	16.983714633	16.492125395	16.021888529	15.571888137	15.141073578
30	17.292033301	16.779017165	16.288888544	15.820418269	15.372451027
31	17.588493558	17.054213108	16.544390951	16.057678539	15.592810502
32	17.873551498	17.318190032	16.788890863	16.284179989	15.802676668
33	18.147645672	17.571405306	17.022862070	16.500410491	16.002549208
34	18.411197761	17.814297656	17.246757961	16.706835791	16.192904008
35	18.664613232	18.047287919	17.461012403	16.903900516	16.374194293
36	18.908281954	18.270779779	17.666040577	17.092029133	16.546851708
37	19.142578802	18.485160459	17.862239787	17.271626857	16.711287341
38	19.367864232	18.690801400	18.049990227	17.443080532	16.867892705
39	19.584484839	18.888058897	18.229655719	17.606759457	17.017040672
40	19.792773883	19.077274721	18.401584420	17.763016188	17.159086354
41	19.993051811	19.258776711	18.566109493	17.912187292	17.294367956
42	20.185626741	19.432879339	18.723549754	18.054594074	17.423207577
43	20.370794944	19.599884258	18.874210291	18.190543268	17.545911978
44	20.548841292	19.760080823	19.018383054	18.320327702	17.662773313
45	20.720039704	19.913746593	19.156347420	18.444226924	17.774069822
46	20.884653561	20.061147811	19.288370737	18.562507803	17.880066497
47	21.042936117	20.202539867	19.414708839	18.675425110	17.981015711
48	21.195130881	20.338167738	19.535606544	18.783222062	18.077157820
49	21.341472001	20.468266415	19.651298129	18.886130847	18.168721734
50	21.482184617	20.593061309	19.762007779	18.984373124	18.255925461

t \ p	0.0525	0.055	0.0575	0.06	0.0625
1	0.950118765	0.947867299	0.945626478	0.943396226	0.941176471
2	1.852844432	1.846319714	1.839835913	1.833392666	1.826989619
3	2.710541028	2.697933378	2.685424031	2.673011949	2.660696112
4	3.525454659	3.505150122	3.485034544	3.465105613	3.445361047
5	4.299719391	4.270284476	4.241167418	4.212363786	4.183869221
6	5.035362841	4.995530309	4.956186684	4.917324326	4.878935737
7	5.734311488	5.682967117	5.632327833	5.582381440	5.533115988
8	6.398395713	6.334565988	6.271704807	6.209793811	6.148815047
9	7.029354597	6.952195249	6.876316602	6.801692274	6.728296515
10	7.628840472	7.537625829	7.448053525	7.360087051	7.273690838
11	8.198423251	8.092536330	7.988703097	7.886874577	7.787003141
12	8.739594538	8.618517849	8.499955647	8.383843940	8.270120604
13	9.253771533	9.117078530	8.983409595	8.852682963	8.724819392
14	9.742300744	9.589647895	9.440576449	9.294983927	9.152771192
15	10.206461514	10.037580943	9.872885531	9.712248988	9.555549357
16	10.647469372	10.462162032	10.281688446	10.105895271	9.934634689
17	11.066479213	10.864608561	10.668263306	10.477259690	10.291420884
18	11.464588326	11.246074465	11.033818729	10.827603481	10.627219656
19	11.842839265	11.607653522	11.379497616	11.158116492	10.943265558
20	12.202222580	11.950382485	11.706380724	11.469921219	11.240720525
21	12.543679410	12.275244062	12.015490046	11.764076621	11.520678142
22	12.868103953	12.583169727	12.307792006	12.041581718	11.784167663
23	13.176345799	12.875042395	12.584200479	12.303378979	12.032157800
24	13.469212160	13.151698952	12.845579649	12.550357528	12.265560282
25	13.747469986	13.413932656	13.092746713	12.783356158	12.485233207
26	14.011847968	13.662495409	13.326474433	13.003166187	12.691984195
27	14.263038449	13.898099914	13.547493554	13.210534139	12.886573360
28	14.501699239	14.121421719	13.756495086	13.406164282	13.069716103
29	14.728455334	14.333101156	13.954132469	13.590721021	13.242085744
30	14.943900555	14.533745171	14.141023611	13.764831151	13.404315995
31	15.148599102	14.723929072	14.317752824	13.929085992	13.557003289
32	15.343087033	14.904198173	14.484872647	14.084043389	13.700708978
33	15.527873665	15.075069358	14.642905576	14.230229612	13.835961391
34	15.703442912	15.237032567	14.792345699	14.368141143	13.963255780
35	15.870254549	15.390552196	14.933660235	14.498246362	14.083066146
36	16.028745414	15.536068432	15.067291002	14.620987134	14.195826961
37	16.179330560	15.673998514	15.193655794	14.736780315	14.301954787
38	16.322404332	15.804737928	15.313149687	14.846019165	14.401839799
39	16.458341409	15.928661543	15.426146276	14.949074684	14.495849223
40	16.587497775	16.046124685	15.532998843	15.046296872	14.584328680
41	16.710211663	16.157464157	15.634041459	15.138015917	14.667603464
42	16.826804430	16.262999201	15.729590032	15.224543317	14.745979731
43	16.937581407	16.363032418	15.819943293	15.306172941	14.819745629
44	17.042832690	16.457850633	15.905383728	15.383182020	14.889172356
45	17.142833910	16.547725718	15.986178467	15.455832094	14.954515159
46	17.237846945	16.632915373	16.062580110	15.524369900	15.016014267
47	17.328120613	16.713663861	16.134827527	15.589028208	15.073895781
48	17.413891319	16.790202711	16.203146598	15.650026611	15.128372500
49	17.495383676	16.862751385	16.267750920	15.707572275	15.179644706
50	17.572811094	16.931517901	16.328842478	15.761860636	15.227900899

t \ p	0.065	0.0675	0.07	0.0725	0.075
1	0.938967136	0.936768150	0.934579439	0.932400932	0.930232558
2	1.820626419	1.814302717	1.808018168	1.801772431	1.795565170
3	2.648475511	2.636349149	2.624316044	2.612375227	2.600525740
4	3.425798602	3.406416065	3.387211256	3.368182030	3.349326270
5	4.155679438	4.127790224	4.100197436	4.072896998	4.045884902
6	4.841013557	4.803550562	4.766539660	4.729973891	4.693846420
7	5.484519772	5.436581322	5.389289402	5.342632998	5.296601321
8	6.088750959	6.029584377	5.971298506	5.913876921	5.857303555
9	6.656104187	6.585090751	6.515232249	6.446505288	6.378887028
10	7.188830223	7.105471430	7.023581541	6.943128474	6.864080956
11	7.689042463	7.592947475	7.498674337	7.406180395	7.315424145
12	8.158725317	8.049599508	7.942686297	7.837930438	7.735278275
13	8.599742082	8.477376589	8.357650744	8.240494581	8.125840255
14	9.013842330	8.878104533	8.745467985	8.615845763	8.489153726
15	9.402668855	9.253493707	9.107914005	8.965823556	8.827119745
16	9.767764183	9.605146330	9.446648603	9.292143175	9.141506740
17	10.110576698	9.934563307	9.763222993	9.596403893	9.433959758
18	10.432466383	10.243150639	10.059086910	9.880096870	9.706009077
19	10.734710218	10.532225423	10.335595243	10.144612466	9.959078211
20	11.018507247	10.803021473	10.594014246	10.391247055	10.194491359
21	11.284983331	11.0566694589	10.835527332	10.621209375	10.413480334
22	11.535195616	11.294327483	11.061240497	10.835626457	10.617191008
23	11.770136728	11.516934411	11.272187381	11.035549144	10.806689310
24	11.990738712	11.725465490	11.469334001	11.221957244	10.982966800
25	12.197876725	11.920810764	11.653583178	11.395764330	11.146945861
26	12.392372512	12.103803994	11.825778671	11.557822219	11.299484522
27	12.574997664	12.275226224	11.986709039	11.708925146	11.441380950
28	12.746476679	12.435809109	12.137111251	11.849813656	11.573377628
29	12.907489840	12.586238041	12.277674066	11.981178234	11.696165236
30	13.058675906	12.727155074	12.409041184	12.103662689	11.810386266
31	13.200634654	12.859161662	12.531814190	12.217867309	11.916638387
32	13.333929252	12.982821229	12.646555318	12.324351803	12.015477569
33	13.459088500	13.098661573	12.753790017	12.423638045	12.107420994
34	13.576608920	13.207177117	12.854009361	12.516212629	12.192949762
35	13.686956732	13.308831023	12.947672300	12.602529258	12.272511407
36	13.790569702	13.404057164	13.035207757	12.683010963	12.346522239
37	13.887858875	13.493261981	13.117016596	12.758052180	12.415369524
38	13.979210211	13.576826211	13.193473454	12.828020681	12.479413511
39	14.064986114	13.655106521	13.264928462	12.893259376	12.538989313
40	14.145526867	13.728437022	13.331708843	12.954087996	12.594408663
41	14.221151988	13.797130700	13.394120414	13.010804659	12.645961547
42	14.292161491	13.861480749	13.452448985	13.063687327	12.693917718
43	14.358837081	13.921761826	13.506961668	13.112995177	12.738528110
44	14.421443268	13.978231219	13.557908101	13.158969862	12.780026149
45	14.480228421	14.031129947	13.605521590	13.201836701	12.818628976
46	14.535425747	14.080683792	13.650020177	13.241805782	12.854538582
47	14.587254223	14.127104254	13.691607642	13.279072990	12.887942867
48	14.635919458	14.170589465	13.730474432	13.313820970	12.919016620
49	14.681614515	14.211325026	13.766798535	13.346220019	12.947922438
50	14.724520671	14.249484802	13.800746294	13.376428922	12.974811570

t \ p	0.0775	0.08	0.0825	0.085	0.0875
1	0.928074246	0.925925926	0.923787529	0.921658986	0.919540230
2	1.789396052	1.783264746	1.777170927	1.771114273	1.765094464
3	2.588766638	2.577096987	2.565515868	2.554022371	2.542615599
4	3.330641891	3.312126840	3.293779093	3.275596656	3.257577563
5	4.019157207	3.992710037	3.966539578	3.940642079	3.915013851
6	4.658150540	4.622879664	4.588027324	4.553587170	4.519552966
7	5.251183796	5.206370059	5.162149953	5.118513520	5.075451003
8	5.801562688	5.746638944	5.692517277	5.639182968	5.586621612
9	6.312355163	6.246887911	6.182463997	6.119062643	6.056663552
10	6.786408504	6.710081399	6.635070667	6.561348058	6.488886024
11	7.226365201	7.138964258	7.053183065	6.968984386	6.886331976
12	7.634677681	7.536078017	7.439430083	7.344686070	7.251799519
13	8.013621977	7.903775942	7.796240261	7.690954903	7.587861626
14	8.365310420	8.244236983	8.125857054	8.010096685	7.896884254
15	8.691703406	8.559478688	8.430352937	8.304236576	8.181042992
16	8.994620330	8.851369155	8.711642436	8.575333250	8.442338384
17	9.275749726	9.121638107	8.971494167	8.825191935	8.682610008
18	9.536658679	9.371887136	9.211541956	9.055476438	8.903549433
19	9.778801558	9.603599200	9.433295109	9.267720219	9.106712122
20	10.003528128	9.818147407	9.638147907	9.463336608	9.293528388
21	10.212091070	10.016803155	9.827388367	9.643628210	9.465313460
22	10.405652965	10.200743662	10.002206343	9.809795585	9.623276745
23	10.585292775	10.371058946	10.163701010	9.962945240	9.768530340
24	10.752011856	10.528758284	10.312887769	10.104096995	9.902096865
25	10.906739542	10.674776189	10.450704637	10.234190779	10.024916657
26	11.050338322	10.809977952	10.578018140	10.354092884	10.137854397
27	11.183608651	10.935164771	10.695628767	10.464601736	10.241705193
28	11.307293412	11.051078491	10.804275997	10.566453213	10.337200177
29	11.422082053	11.158406011	10.904642953	10.660325542	10.425011657
30	11.528614434	11.257783343	10.997360696	10.746843818	10.505757846
31	11.627484394	11.349799392	11.083012190	10.826584164	10.580007215
32	11.719243057	11.434999437	11.162135973	10.900077570	10.648282496
33	11.804401909	11.513888367	11.235229536	10.967813429	10.711064364
34	11.883435646	11.586933674	11.302752458	11.030242791	10.768794818
35	11.956784823	11.654568216	11.365129291	11.087781375	10.821880292
36	12.024858304	11.717192793	11.422752232	11.140812327	10.870694522
37	12.088035549	11.775178512	11.475983586	11.189688780	10.915581169
38	12.146668723	11.828868992	11.525158048	11.234736203	10.956856248
39	12.201084662	11.878582400	11.570584801	11.276254565	10.994810343
40	12.251586693	11.924613334	11.612549470	11.314520337	11.029710660
41	12.298456328	11.967234568	11.651315908	11.349788329	11.061802906
42	12.341954828	12.006698674	11.687127859	11.382293390	11.091313017
43	12.382324667	12.043239513	11.720210494	11.412251973	11.118448751
44	12.419790874	12.077073623	11.750771819	11.439863569	11.143401150
45	12.454562296	12.108401503	11.779003989	11.465312045	11.166345885
46	12.486832757	12.137408799	11.805084517	11.488766862	11.187444492
47	12.516782141	12.164237407	11.829177383	11.510384205	11.206845510
48	12.544577393	12.189136488	11.851434072	11.530308023	11.224685527
49	12.570373451	12.212163415	11.871994524	11.548670989	11.241090139
50	12.594314108	12.233484643	11.890988013	11.565595381	11.256174841

t \ p	0.09	0.0925	0.095	0.0975	0.1
1	0.917431193	0.915331808	0.913242009	0.911161731	0.909090909
2	1.759111186	1.753164126	1.747252976	1.741377432	1.735537190
3	2.531294666	2.520058697	2.508906828	2.497838206	2.486851991
4	3.239719877	3.222021690	3.204481121	3.187096316	3.169865446
5	3.889651263	3.864550746	3.839708787	3.815121928	3.790786769
6	4.485918590	4.452678029	4.419825376	4.387354832	4.355260699
7	5.032952835	4.991009637	4.949612215	4.908751555	4.868418818
8	5.534819115	5.483761682	5.433435813	5.383828296	5.334926198
9	5.995246894	5.934793301	5.875283848	5.816700042	5.759023816
10	6.417657701	6.347636889	6.278798034	6.211116211	6.144567106
11	6.805190552	6.725525757	6.647304141	6.570493131	6.495061005
12	7.160725277	7.071419457	6.983839398	6.897943627	6.813691823
13	7.486903924	7.388026963	7.291177533	7.196303989	7.103356203
14	7.786150389	7.677827884	7.571851628	7.468158532	7.366687457
15	8.060688430	7.943091884	7.828175003	7.715861988	7.606079506
16	8.312558193	8.185896462	8.062260276	7.941559898	7.823708642
17	8.543631369	8.408143214	8.276036782	8.147201196	8.021553311
18	8.755625109	8.611572736	8.471266468	8.334585145	8.201412101
19	8.950114779	8.797778248	8.649558418	8.505316760	8.364920092
20	9.128545669	8.968218076	8.812382117	8.660880875	8.513563720
21	9.292243733	9.124227072	8.961079559	8.802624943	8.648694291
22	9.442425443	9.267027068	9.096876309	8.931776714	8.771540264
23	9.580206829	9.397736447	9.220891607	9.049454864	8.883218422
24	9.706611769	9.517378899	9.334147586	9.156678692	8.984744020
25	9.822579605	9.626891440	9.437577704	9.254376940	9.077040018
26	9.928972115	9.727131753	9.532034433	9.343395845	9.160945471
27	10.026579922	9.818884900	9.618296286	9.424506465	9.237223156
28	10.116128369	9.902869474	9.697074234	9.498411358	9.306566505
29	10.198282907	9.979743225	9.769017565	9.565750668	9.369605914
30	10.273654043	10.050108215	9.834719237	9.627107670	9.426914467
31	10.342801874	10.114515529	9.894720765	9.683013822	9.479013152
32	10.406240252	10.173469592	9.949516680	9.733953369	9.526375593
33	10.464440598	10.227432121	9.999558612	9.780367534	9.569432357
34	10.517835411	10.276825740	10.045259006	9.822658345	9.608754870
35	10.566821478	10.322037290	10.086994526	9.861192114	9.644158973
36	10.611762824	10.363420861	10.125109157	9.896302610	9.676508157
37	10.652993416	10.401300559	10.159917038	9.928293950	9.705916506
38	10.690819648	10.435973052	10.191705057	9.957443234	9.732651369
39	10.725522613	10.467709887	10.220735212	9.984002947	9.756995790
40	10.757360195	10.496759622	10.247246769	10.008203141	9.779050718
41	10.786568986	10.523349769	10.271458237	10.030253431	9.799137017
42	10.813366043	10.547688575	10.293569166	10.050344812	9.817397288
43	10.837950498	10.569966659	10.313761795	10.068651309	9.833997535
44	10.860505044	10.590358498	10.332202553	10.085331489	9.849088668
45	10.881197288	10.609023797	10.349043427	10.100529831	9.862807880
46	10.900180998	10.626108739	10.364423221	10.114377978	9.875279891
47	10.917597246	10.641747129	10.378468695	10.126995880	9.886618082
48	10.933575455	10.656061446	10.391295612	10.138492829	9.896925530
49	10.948234362	10.669163795	10.403009691	10.148968409	9.906295936
50	10.961682901	10.681156791	10.413707481	10.158513357	9.914814487

t \ p	0.1025	0.105	0.1075	0.11	0.1125
1	0.907029478	0.904977376	0.902934537	0.900900901	0.898876404
2	1.729731953	1.723961426	1.718225316	1.712523334	1.706855195
3	2.475947350	2.465123462	2.454379518	2.443714715	2.433128265
4	3.152786712	3.135858337	3.119078571	3.102445690	3.085957991
5	3.766699965	3.742858223	3.719258304	3.695897018	3.672771228
6	4.323537384	4.292179388	4.261181313	4.230537854	4.200243800
7	4.828605337	4.789302613	4.750502314	4.712196265	4.674376450
8	5.286716859	5.239187885	5.192327146	5.146122761	5.100563101
9	5.702237513	5.646323878	5.591266046	5.537047532	5.483652226
10	6.079126996	6.014772740	5.951481757	5.889232011	5.828002001
11	6.420976867	6.348210625	6.276732963	6.206515325	6.137529888
12	6.731044778	6.649964366	6.570413511	6.492356149	6.415757203
13	7.012285513	6.923044675	6.835587820	6.749870404	6.665849171
14	7.267379150	7.170176177	7.075022862	6.981865229	6.890650940
15	7.498756598	7.393824594	7.291217032	7.190869576	7.092719946
16	7.708622765	7.596221352	7.486426214	7.379161780	7.274355008
17	7.898977565	7.779385839	7.662687326	7.548794396	7.4372262479
18	8.071634979	7.945145556	7.821839572	7.701616573	7.584379756
19	8.228240344	8.095154349	7.965543632	7.839294210	7.716296410
20	8.370286026	8.230908913	8.095298990	7.963328117	7.834873178
21	8.499125647	8.353763723	8.212459585	8.075070376	7.941459036
22	8.615986982	8.464944545	8.318247932	8.175739077	8.037266549
23	8.721983657	8.565560674	8.413767885	8.266431601	8.123385662
24	8.818125766	8.656615995	8.500016149	8.348136578	8.200796101
25	8.905329493	8.739019000	8.577892685	8.421744665	8.270378518
26	8.984425844	8.813591855	8.648210099	8.488058256	8.332924510
27	9.056168566	8.881078602	8.711702121	8.547800231	8.389145627
28	9.121241330	8.942152581	8.769031261	8.601621830	8.439681463
29	9.180264245	8.997423150	8.820795721	8.650109757	8.485106933
30	9.233799768	9.047441765	8.867535639	8.693792573	8.525938816
31	9.282358067	9.092707480	8.909738726	8.733146463	8.562641632
32	9.326401874	9.133671927	8.947845351	8.768600417	8.595632928
33	9.366350906	9.170743826	8.982253139	8.800540916	8.625288025
34	9.402585856	9.204293055	9.013321119	8.829316141	8.651944292
35	9.435452024	9.234654348	9.041373470	8.855239766	8.675904982
36	9.465262607	9.262130632	9.066702908	8.878594384	8.697442680
37	9.492301684	9.286996047	9.089573732	8.899634580	8.716802409
38	9.516826924	9.309498685	9.110224588	8.918589712	8.734204413
39	9.539072040	9.329863063	9.128870960	8.935666407	8.749846663
40	9.559249016	9.348292365	9.145707413	8.951050817	8.763907113
41	9.577550128	9.364970466	9.160909628	8.964910646	8.776545720
42	9.594149776	9.380063770	9.174636233	8.977396978	8.787906265
43	9.609206146	9.393722869	9.187030459	8.988645927	8.798117991
44	9.622862717	9.406084044	9.198221633	8.998780114	8.807297070
45	9.635249630	9.417270628	9.208326531	9.007910013	8.815547928
46	9.646484925	9.427394234	9.217450592	9.016135147	8.822964430
47	9.656675669	9.436558868	9.225689023	9.023545177	8.829630948
48	9.665918974	9.444846939	9.233127786	9.030220880	8.835623324
49	9.674302925	9.452350171	9.239844502	9.036235027	8.841009730
50	9.681907415	9.459140426	9.245909257	9.041653178	8.845851442

t \ p	0.115	0.1175	0.12	0.1225	0.125
1	0.896860987	0.894854586	0.892857143	0.890868597	0.888888889
2	1.701220616	1.695619316	1.690051020	1.684515454	1.679012346
3	2.422619386	2.412187308	2.401831268	2.391550516	2.381344307
4	3.069613799	3.053411461	3.037349347	3.021425849	3.005639384
5	3.649877847	3.627213835	3.604776202	3.582562004	3.560568342
6	4.170294033	4.140683522	4.111407324	4.082460582	4.053838526
7	4.637035007	4.600164225	4.563756539	4.527804528	4.492300912
8	5.055636778	5.011332640	4.967639767	4.924547463	4.882045255
9	5.431064375	5.379268582	5.328249792	5.277993286	5.228484671
10	5.767770740	5.708517746	5.650223028	5.592867070	5.536430819
11	6.069749542	6.003147872	5.937699133	5.873378236	5.810160728
12	6.340582549	6.266798990	6.194374225	6.123276825	6.053476202
13	6.583482107	6.502728403	6.423548416	6.345903630	6.269756624
14	6.801329244	6.713850920	6.628168228	6.544234860	6.462005888
15	6.996707842	6.902774872	6.810864489	6.720921924	6.632894123
16	7.171935284	7.071834338	6.973986151	6.878326881	6.784794776
17	7.329089941	7.223117975	7.119630492	7.018554014	6.919817579
18	7.470035822	7.358494833	7.249670082	7.143477964	7.039837848
19	7.596444683	7.479637434	7.365776859	7.254768787	7.146522531
20	7.709815859	7.588042447	7.469443624	7.353914287	7.241353361
21	7.811494044	7.685049169	7.562003236	7.442239900	7.325647432
22	7.902685241	7.771856080	7.644645746	7.520926414	7.400575495
23	7.984471069	7.849535642	7.718433702	7.591025758	7.467178218
24	8.057821586	7.919047554	7.784315806	7.653475063	7.526380638
25	8.123606804	7.981250608	7.843139112	7.709109188	7.579005012
26	8.182606999	8.036913296	7.895659921	7.758671882	7.625782233
27	8.235521972	8.086723307	7.942553501	7.802825730	7.667361985
28	8.282979347	8.131296024	7.984422769	7.842161007	7.704321764
29	8.325542015	8.171182125	8.021806044	7.877203570	7.737174901
30	8.363714812	8.206874384	8.055183968	7.908421888	7.766377690
31	8.397950504	8.238813767	8.084985685	7.936233308	7.792335725
32	8.428655161	8.267394870	8.111594362	7.961009629	7.815409533
33	8.456192969	8.292970801	8.135352109	7.983082074	7.835919585
34	8.480890555	8.315857540	8.156564383	8.002745723	7.854150742
35	8.503040857	8.336337843	8.175503913	8.020263451	7.870356215
36	8.522906598	8.354664737	8.192414208	8.035869444	7.884761080
37	8.540723406	8.371064641	8.207512686	8.049772333	7.897565405
38	8.556702606	8.385740171	8.220993470	8.062157980	7.908947026
39	8.571033728	8.398872636	8.233029884	8.073191965	7.919064023
40	8.583886751	8.410624283	8.243776682	8.083021795	7.928056910
41	8.595414127	8.421140298	8.253372037	8.091778882	7.936050586
42	8.605752580	8.430550602	8.261939319	8.099580296	7.943156077
43	8.615024736	8.438971456	8.269588678	8.106530330	7.949472068
44	8.623340570	8.446506896	8.276418462	8.112721898	7.955086283
45	8.630798717	8.453250019	8.282516484	8.118237771	7.960076696
46	8.637487639	8.459284133	8.287961147	8.123151689	7.964512619
47	8.643486672	8.464683788	8.292822452	8.127529344	7.968455661
48	8.648866970	8.469515694	8.297162904	8.131429260	7.971960588
49	8.653692350	8.473839547	8.301038307	8.134903572	7.975076078
50	8.658020045	8.477708767	8.304498488	8.137998728	7.977845402

t \ p	0.1275	0.13	0.1325	0.135	0.1375
1	0.886917960	0.884955752	0.883002208	0.881057269	0.879120879
2	1.673541428	1.668102436	1.662695106	1.657319179	1.651974399
3	2.371211910	2.361152598	2.351165656	2.341250378	2.331406065
4	2.989988390	2.974471326	2.959086672	2.943832933	2.928708629
5	3.538792363	3.517231262	3.495882271	3.474742672	3.453809784
6	4.025536464	3.997549789	3.969873970	3.942504557	3.915437172
7	4.457238549	4.422610433	4.388409687	4.354629565	4.321263448
8	4.840122882	4.798770294	4.757977648	4.717735300	4.678033801
9	5.179709873	5.131655128	5.084306974	5.037652247	4.991678066
10	5.480895675	5.426243476	5.372456489	5.319517398	5.267409289
11	5.748022771	5.686941129	5.626893147	5.567856738	5.509810364
12	5.984942591	5.917647017	5.851561278	5.786657919	5.722910210
13	6.195071034	6.121811519	6.049943733	5.979434290	5.910250734
14	6.381437724	6.302488070	6.225115879	6.149281313	6.074945700
15	6.546729689	6.462378823	6.379793271	6.298926267	6.219732484
16	6.693330101	6.603875065	6.516373749	6.430772041	6.347017568
17	6.823352639	6.729092978	6.636974613	6.546935719	6.458916544
18	6.938671964	6.839905290	6.743465442	6.649282572	6.557289269
19	7.040950744	6.937969283	6.837497079	6.739456010	6.643770786
20	7.131663631	7.024751258	6.920527222	6.818903974	6.719798493
21	7.212118520	7.101550069	6.993843022	6.888902180	6.786636038
22	7.283475406	7.169513335	7.058581035	6.950574608	6.845394319
23	7.346763109	7.229657819	7.115744843	7.004911549	6.897049951
24	7.402894110	7.282883026	7.166220612	7.052785505	6.942461495
25	7.452677703	7.329984978	7.210790827	7.094965203	6.982383732
26	7.496831666	7.371668123	7.250146426	7.132127932	7.017480204
27	7.535992608	7.408555861	7.284897506	7.164870425	7.048334245
28	7.570725151	7.441199877	7.315582787	7.193718436	7.075458677
29	7.601530068	7.470088386	7.342677958	7.219135186	7.099304332
30	7.628851501	7.495653439	7.366603053	7.241528798	7.120267544
31	7.653083371	7.518277380	7.387728965	7.261258853	7.138696742
32	7.674575052	7.538298566	7.406383192	7.278642161	7.154898235
33	7.693636410	7.556016430	7.422854916	7.293957851	7.169141305
34	7.710542271	7.571695956	7.437399484	7.307451851	7.181662686
35	7.725536382	7.585571643	7.450242370	7.319340838	7.192670493
36	7.738834928	7.597851011	7.461582667	7.329815716	7.202347686
37	7.750629648	7.608717709	7.471596174	7.339044684	7.210855109
38	7.761090597	7.618334256	7.480438123	7.347175933	7.218334162
39	7.770368601	7.626844474	7.488245583	7.354340029	7.224909153
40	7.778597428	7.634375641	7.495139587	7.360652008	7.230689365
41	7.785895724	7.641040390	7.501227009	7.366213223	7.235770871
42	7.792368713	7.646938398	7.506602215	7.371112972	7.240238128
43	7.798109723	7.652157875	7.511348534	7.375429931	7.244165387
44	7.803201528	7.656776880	7.515539545	7.379233419	7.247617923
45	7.807717542	7.660864496	7.519240216	7.382584511	7.250653119
46	7.811722875	7.664481855	7.522507917	7.385537014	7.253321423
47	7.815275277	7.667683057	7.525393304	7.388138338	7.255667185
48	7.818425967	7.670515980	7.527941108	7.390430254	7.257729394
49	7.821220369	7.673022991	7.530190823	7.392449563	7.259542324
50	7.823698776	7.675241585	7.532177328	7.394228690	7.261136109

t \ p	0.14	0.1425	0.145	0.1475	0.15
1	0.877192982	0.875273523	0.873362445	0.871459695	0.869565217
2	1.646660511	1.641377263	1.636124406	1.630901695	1.625708885
3	2.321632027	2.311927582	2.302292058	2.292724789	2.283225117
4	2.913712304	2.898842523	2.884097867	2.869476940	2.854978363
5	3.433080969	3.412553631	3.392225212	3.372093194	3.352155098
6	3.888667517	3.862191362	3.836004552	3.810103001	3.784482694
7	4.288304839	4.255747362	4.223584761	4.191810894	4.160419734
8	4.638863894	4.600216510	4.562082761	4.524453938	4.487321508
9	4.946371837	4.901721234	4.857714202	4.814338944	4.771583920
10	5.216115646	5.165620336	5.115907600	5.066962043	5.018768626
11	5.452733023	5.396604233	5.341404017	5.287112891	5.233711849
12	5.660292125	5.598778322	5.538344120	5.478965483	5.420618999
13	5.842361514	5.775735949	5.710344209	5.646157283	5.583146955
14	6.002071503	5.930622275	5.860562628	5.791858199	5.724475613
15	6.142167985	6.066190175	5.991757754	5.918830675	5.847370099
16	6.265059636	6.184849169	6.106338650	6.029482069	5.954234868
17	6.372859330	6.288708244	6.206409301	6.125910300	6.047160755
18	6.467420465	6.379613343	6.293807250	6.209943617	6.127965874
19	6.550368829	6.459180169	6.370137336	6.283175265	6.198231195
20	6.623130552	6.528822905	6.436801167	6.346993695	6.259331474
21	6.686956624	6.589779348	6.495022853	6.402608885	6.312462151
22	6.742944407	6.643132908	6.545871488	6.451075281	6.358662740
23	6.792056498	6.689831867	6.590280775	6.493311791	6.398837165
24	6.835137279	6.730706229	6.629066179	6.530119208	6.433771448
25	6.872927437	6.766482477	6.662939894	6.562195388	6.464149085
26	6.906076699	6.797796478	6.692523925	6.590148487	6.490564422
27	6.935154999	6.825204795	6.718361507	6.614508485	6.513534280
28	6.960662280	6.849194569	6.740927080	6.635737242	6.533508070
29	6.983037088	6.870192183	6.760635005	6.654237248	6.550876582
30	7.002664112	6.888570838	6.777847166	6.670359257	6.565979637
31	7.019880800	6.904657189	6.792879621	6.684408939	6.579112728
32	7.034983158	6.918737146	6.806008402	6.696652670	6.590532807
33	7.048230840	6.931060959	6.817474587	6.707322588	6.600463310
34	7.059851614	6.941847667	6.827488722	6.716620992	6.609098530
35	7.070045276	6.951288986	6.836234692	6.724724176	6.616607418
36	7.078987084	6.959552723	6.843873093	6.731785774	6.623136885
37	7.086830775	6.966785753	6.850544186	6.737939673	6.628814683
38	7.093711207	6.973116633	6.856370468	6.743302547	6.633751898
39	7.099746672	6.978657884	6.861458924	6.747976076	6.638045129
40	7.105040941	6.983507995	6.865902991	6.752048868	6.641778373
41	7.109685036	6.987753169	6.869784271	6.755598142	6.645024672
42	7.113758803	6.991468857	6.873174036	6.758691191	6.647847541
43	7.117332284	6.994721100	6.876134529	6.761386659	6.650302209
44	7.120466915	6.997567702	6.878720113	6.763735650	6.652436704
45	7.123216592	7.000059258	6.880978265	6.765782702	6.654292786
46	7.125628590	7.002240051	6.882950449	6.767566625	6.655906770
47	7.127744377	7.004148841	6.884672882	6.769121242	6.657310235
48	7.129600331	7.005819554	6.886177189	6.770476028	6.658530639
49	7.131228360	7.007281886	6.887490995	6.771656669	6.659591860
50	7.132656456	7.008561826	6.888638424	6.772685550	6.660514661

t \ p	0.1525	0.155	0.1575	0.16	0.1625
1	0.867678959	0.865800866	0.863930886	0.862068966	0.860215054
2	1.620545734	1.615412005	1.610307461	1.605231867	1.600184992
3	2.273792394	2.264425978	2.255125236	2.245889540	2.236718273
4	2.840600776	2.826342838	2.812203228	2.798180638	2.784273783
5	3.332408482	3.312850942	3.293480110	3.274293654	3.255289276
6	3.759139681	3.734070080	3.709270074	3.684735908	3.660463893
7	4.129405363	4.098761974	4.068483865	4.038565438	4.009001199
8	4.450677105	4.414512532	4.378819754	4.343590895	4.308818235
9	4.729437835	4.687889638	4.646928513	4.606543875	4.566725364
10	4.971312655	4.924579773	4.878555951	4.833227478	4.788580958
11	5.181182347	5.129506297	5.078666048	5.028644378	4.979424480
12	5.363281863	5.306931859	5.251547342	5.197107222	5.143590951
13	5.521285781	5.460547064	5.400904831	5.342333812	5.284809420
14	5.658382457	5.593547241	5.529939379	5.467529149	5.406287673
15	5.777338357	5.708698910	5.641416310	5.575456163	5.510785095
16	5.880553889	5.808397325	5.737724674	5.668496692	5.600675351
17	5.970111834	5.894716299	5.820928444	5.748704045	5.678000302
18	6.047819379	5.969451341	5.892810751	5.817848314	5.744516388
19	6.115244581	6.034157005	5.954912096	5.877455443	5.801734528
20	6.173748009	6.090179225	6.008563366	5.928840900	5.850954432
21	6.224510203	6.138683312	6.054914355	5.973138707	5.893294135
22	6.268555491	6.180678192	6.094958406	6.011326471	5.929715385
23	6.306772660	6.217037396	6.129553698	6.044246958	5.961045493
24	6.339932894	6.248517226	6.159441640	6.072626688	5.987996123
25	6.368705331	6.275772490	6.185262756	6.097091972	6.011179460
26	6.393670569	6.299370121	6.207570415	6.118182735	6.031122117
27	6.415332381	6.319800971	6.226842692	6.136364426	6.048277089
28	6.434127879	6.337490018	6.243492606	6.152038299	6.063034055
29	6.450436338	6.352805210	6.257876982	6.165550257	6.075728220
30	6.464586844	6.366065117	6.270304088	6.177198498	6.086647931
31	6.476864941	6.377545556	6.281040249	6.187240084	6.096041231
32	6.487518387	6.387485330	6.290315550	6.195896624	6.104121489
33	6.496762158	6.396091195	6.298328768	6.203359159	6.111072249
34	6.504782783	6.403542160	6.305251636	6.209792378	6.117051397
35	6.511742111	6.409993212	6.311232515	6.215338257	6.122194750
36	6.517780574	6.415578539	6.316399581	6.220119187	6.126619140
37	6.523020021	6.420414319	6.320863569	6.224240679	6.130425066
38	6.527566178	6.424601142	6.324720146	6.227793689	6.133698982
39	6.531510784	6.428226097	6.328051962	6.230856628	6.136515253
40	6.534933435	6.431364586	6.330930421	6.233497093	6.138937852
41	6.537903197	6.434081893	6.333417210	6.235773356	6.141021808
42	6.540479998	6.436434539	6.335565624	6.237735652	6.142814459
43	6.542715833	6.438471463	6.337421706	6.239427286	6.144356524
44	6.544655821	6.440235032	6.339025232	6.240885591	6.145683031
45	6.546339107	6.441761933	6.340410567	6.242142751	6.146824113
46	6.547799659	6.443083925	6.341607401	6.243226510	6.147805688
47	6.549066949	6.444228506	6.342641384	6.244160784	6.148650055
48	6.550166550	6.445219486	6.343534673	6.244966193	6.149376391
49	6.551120651	6.446077477	6.344306413	6.245660511	6.150001197
50	6.551948504	6.446820326	6.344973143	6.246259062	6.150538664

t \ p	0.165	0.1675	0.17	0.1725	0.175
1	0.858369099	0.856531049	0.854700855	0.852878465	0.851063830
2	1.595166608	1.590176488	1.585214406	1.580280141	1.575373472
3	2.227610823	2.218566585	2.209584962	2.200665365	2.191807210
4	2.770481393	2.756802214	2.743235010	2.729778563	2.716431668
5	3.236464715	3.217817742	3.199346163	3.181047815	3.162920569
6	3.636450399	3.612691856	3.589184754	3.565925642	3.542911122
7	3.979785750	3.950913795	3.922380132	3.894179652	3.866307338
8	4.274494206	4.240611388	4.207162506	4.174140428	4.141538160
9	4.527462838	4.488746371	4.450566244	4.412912945	4.375777158
10	4.744603294	4.701281688	4.658603628	4.616556883	4.575129496
11	4.930989952	4.883324786	4.836413357	4.790240412	4.744791060
12	5.090978500	5.039250352	4.988387485	4.938371353	4.889183881
13	5.228307725	5.172805441	5.118279901	5.064709043	5.012071388
14	5.346186889	5.287199521	5.229299061	5.172459738	5.116656501
15	5.447370720	5.385181603	5.324187232	5.264357986	5.205665107
16	5.534223794	5.469106298	5.405288232	5.342736022	5.281417112
17	5.608775789	5.540990405	5.474605327	5.409582961	5.345886904
18	5.672768917	5.602561375	5.533850707	5.466595276	5.400754812
19	5.727698641	5.655298822	5.584487783	5.515219852	5.447450904
20	5.774848619	5.700470083	5.627767336	5.556690705	5.487192259
21	5.815320703	5.739160671	5.664758407	5.592060303	5.521014688
22	5.850060689	5.772300360	5.696374707	5.622226271	5.549799735
23	5.879880420	5.800685534	5.723397185	5.647954176	5.574297646
24	5.905476755	5.824998316	5.746493321	5.669896952	5.595146933
25	5.927447859	5.845822968	5.766233608	5.688611473	5.612891007
26	5.946307175	5.863659930	5.783105647	5.704572685	5.627992346
27	5.962495429	5.878937842	5.797526194	5.718185658	5.640844550
28	5.976390926	5.892023847	5.809851448	5.729795871	5.651782596
29	5.988318392	5.903232417	5.820385853	5.739697971	5.661091571
30	5.998556559	5.912832906	5.829389618	5.748143259	5.669014103
31	6.007344686	5.921056022	5.837085144	5.755346063	5.675756683
32	6.014888143	5.928099376	5.843662516	5.761489179	5.681495050
33	6.021363213	5.934132228	5.849284202	5.766728511	5.686378766
34	6.026921212	5.939299553	5.854089061	5.771197024	5.690535120
35	6.031692028	5.943725527	5.858195779	5.775008123	5.694072442
36	6.035787148	5.947516512	5.861705794	5.778258527	5.697082930
37	6.039302273	5.950763607	5.864705807	5.781030727	5.699645046
38	6.042319548	5.953544846	5.867269920	5.783395076	5.701825571
39	6.044909483	5.955927063	5.869461470	5.785411579	5.703681337
40	6.047132604	5.957967506	5.871334590	5.787131411	5.705260713
41	6.049040861	5.959715208	5.872935547	5.788598218	5.706604862
42	6.050678851	5.961212170	5.874303886	5.789849226	5.707748819
43	6.052084851	5.962494364	5.875473407	5.790916185	5.709122399
44	6.053291717	5.963592603	5.876472998	5.791826170	5.709550978
45	6.054327654	5.964533279	5.877327348	5.792602277	5.710256151
46	6.055216871	5.965338997	5.878057563	5.793264202	5.710856299
47	6.055980147	5.966029119	5.878681678	5.793828744	5.711367063
48	6.056635319	5.966620231	5.879215109	5.794310229	5.711801756
49	6.057197699	5.967126536	5.879671033	5.794720878	5.712171707
50	6.057680428	5.967560202	5.880060712	5.795071111	5.712486559

t \ p	0.1775	0.18	0.1825	0.185	0.1875
1	0.849256900	0.847457627	0.845665962	0.843881857	0.842105263
2	1.570494183	1.565642057	1.560816881	1.556018444	1.551246537
3	2.183009922	2.174272930	2.165595671	2.156977590	2.148418137
4	2.703193139	2.690061805	2.677036508	2.664116110	2.651299484
5	3.144962326	3.127171021	3.109544616	3.092081105	3.074778512
6	3.520137857	3.497602560	3.475302001	3.453233000	3.431392432
7	3.838758265	3.811527593	3.784610572	3.758002532	3.731698890
8	4.109348845	4.077565757	4.046182301	4.015192010	3.984588539
9	4.339149762	4.303021828	4.267384610	4.232229544	4.197548243
10	4.534309777	4.494086295	4.454447873	4.415383582	4.376882731
11	4.700050766	4.656005335	4.612640908	4.569943951	4.527901247
12	4.840807444	4.793224860	4.746419372	4.700374642	4.655074734
13	4.960346025	4.909512593	4.859551266	4.810442736	4.762168197
14	5.061864989	5.008061520	4.955223058	4.903327203	4.852352166
15	5.148080670	5.091577559	5.036129436	4.981710720	4.928296561
16	5.221299932	5.162353864	5.104549206	5.047857148	4.992249736
17	5.283481896	5.222333783	5.162409476	5.103676918	5.046105041
18	5.336290357	5.273164223	5.211339938	5.150782209	5.091456876
19	5.381138308	5.316240867	5.252718763	5.190533510	5.129647896
20	5.419225739	5.352746497	5.287711428	5.224078911	5.161808754
21	5.451571753	5.383683472	5.317303533	5.252387267	5.188891583
22	5.479041828	5.409901248	5.342328569	5.276276175	5.211698175
23	5.502370980	5.432119701	5.363491390	5.296435590	5.230903726
24	5.522183422	5.450948899	5.381388068	5.313447756	5.247076822
25	5.539009276	5.466905847	5.396522679	5.327804013	5.260696271
26	5.553298748	5.480428684	5.409321505	5.339918998	5.272165281
27	5.565434181	5.491888715	5.420145036	5.350142615	5.281823395
28	5.575740281	5.501600606	5.429298127	5.358770139	5.289956543
29	5.584492808	5.509831022	5.437038585	5.366050750	5.296805510
30	5.591925951	5.516805951	5.443584427	5.372194726	5.302573061
31	5.598238600	5.522716908	5.449120023	5.377379516	5.307429946
32	5.603599660	5.527726193	5.453801288	5.381754865	5.311519954
33	5.608152578	5.531971350	5.457760075	5.385447144	5.314964172
34	5.612019174	5.535568941	5.461107885	5.388562991	5.317864566
35	5.615302908	5.538617746	5.463939015	5.391192397	5.320307003
36	5.618091642	5.541201480	5.466333205	5.393411306	5.322363792
37	5.620459993	5.543391085	5.468357890	5.395283802	5.324095825
38	5.622471332	5.545246682	5.470070097	5.396863968	5.325554379
39	5.624179475	5.546819222	5.471518053	5.398197441	5.326782635
40	5.625630127	5.548151883	5.472742539	5.399322735	5.327816956
41	5.626862104	5.549281257	5.473778046	5.400272351	5.328687963
42	5.627908368	5.550238353	5.474653739	5.401073714	5.329421442
43	5.628796916	5.551049452	5.475394282	5.401749969	5.330039109
44	5.629551521	5.551736824	5.476020535	5.402320649	5.330559250
45	5.630192374	5.552319342	5.476550135	5.402802236	5.330997263
46	5.630736624	5.552813002	5.476998000	5.403208638	5.331366116
47	5.631198831	5.553231357	5.477376744	5.403551593	5.331676729
48	5.631591364	5.553585896	5.477697035	5.403841007	5.331938299
49	5.631924725	5.553886353	5.477967894	5.404085238	5.332158567
50	5.632207835	5.554140977	5.478196951	5.404291340	5.332344057

t \ p	0.19	0.1925	0.195	0.1975	0.2
1	0.840336134	0.838574423	0.836820084	0.835073069	0.833333333
2	1.546500953	1.541781487	1.537087936	1.532420099	1.527777778
3	2.139916767	2.131472945	2.123086139	2.114755824	2.106481481
4	2.638585519	2.625973120	2.613461204	2.601048705	2.588734568
5	3.057634890	3.040648318	3.023816907	3.007138793	2.990612140
6	3.409777218	3.388384334	3.367210801	3.346253690	3.325510117
7	3.705695141	3.679986863	3.654569708	3.629439407	3.604591764
8	3.954365665	3.924517286	3.895037413	3.865920173	3.837159803
9	4.163332492	4.129574244	4.096265617	4.063398892	4.030966503
10	4.338934867	4.301529764	4.264657420	4.228308051	4.192472086
11	4.486499888	4.445727265	4.405571063	4.366019250	4.327060071
12	4.610504108	4.566647602	4.523490429	4.481018162	4.439216726
13	4.714709334	4.668048304	4.622167723	4.577050658	4.532680605
14	4.802276751	4.753080338	4.704742865	4.657244808	4.610567171
15	4.875862816	4.824386028	4.773843401	4.724212783	4.675472642
16	4.937699846	4.884181156	4.831668118	4.780135936	4.729560535
17	4.989663736	4.934323820	4.880057003	4.82683855	4.774633779
18	5.033330870	4.976372176	4.920549793	4.865833699	4.812194816
19	5.070025942	5.011632852	4.954434973	4.898399749	4.843495680
20	5.100862136	5.041201553	4.982790773	4.925594780	4.869579733
21	5.126774904	5.065997110	5.006519475	4.948304618	4.891316445
22	5.148550340	5.086790029	5.026376130	4.967268992	4.909430370
23	5.166849025	5.104226439	5.042992577	4.983105630	4.924525309
24	5.182226071	5.118848167	5.056897554	4.996330380	4.937104424
25	5.195147959	5.131109574	5.068533518	5.007374012	4.947587020
26	5.206006688	5.141391676	5.078270726	5.016596253	4.956322517
27	5.215131671	5.150013984	5.086419018	5.024297497	4.963602097
28	5.222799723	5.157244431	5.093237672	5.030728599	4.969668414
29	5.229243465	5.163307699	5.098943659	5.036099039	4.974723679
30	5.234658374	5.168392201	5.103718543	5.040583748	4.978936399
31	5.239208718	5.172655933	5.107714262	5.044328809	4.982446999
32	5.243032536	5.176231391	5.111057960	5.047456208	4.985372499
33	5.246245828	5.179229678	5.113856033	5.050067814	4.987810416
34	5.248946074	5.181743965	5.116197517	5.052248697	4.989842013
35	5.251215188	5.183852381	5.118156918	5.054069893	4.991535011
36	5.253122007	5.185620445	5.119796584	5.055590725	4.992945843
37	5.254724376	5.187103099	5.121168690	5.056860730	4.994121535
38	5.256070904	5.188346414	5.122316895	5.057921278	4.995101280
39	5.257202440	5.189389027	5.123277737	5.058806913	4.995917733
40	5.258153311	5.190263335	5.124081788	5.059546482	4.996598111
41	5.258952362	5.190996507	5.124754634	5.060164077	4.997165092
42	5.259623834	5.191611327	5.125317686	5.060679814	4.997637577
43	5.260188096	5.192126899	5.125788858	5.061110492	4.998031314
44	5.260662265	5.192559244	5.126183145	5.061470139	4.998359428
45	5.261060727	5.192921798	5.126513092	5.061770471	4.998632857
46	5.261395569	5.193225826	5.126789198	5.062021270	4.998860714
47	5.261676949	5.193480777	5.127020250	5.062230706	4.999050595
48	5.261913402	5.193694572	5.127213598	5.062405600	4.999208829
49	5.262112103	5.193873855	5.127375396	5.062551649	4.999340691
50	5.262279078	5.194024197	5.127510791	5.062673611	4.999450576