UPDATED TABLES OF PARAMETERS OF (T, M, S)-NETS

Andrew T. Clayman, K. Mark Lawrence, Gary L. Mullen,
Harald Niederreiter, and N.J.A. Sloane

Abstract. We present an updated survey of the known constructions and bounds for (t, m, s)-nets as well as tables of upper and lower bounds on their parameters for various bases.

1. Introduction. The main purpose of this paper is to update the tables and the list of constructions for (t, m, s)-nets and (t, s)-sequences given in Mullen, Mahalanabis, and Niederreiter [35]. To this end, we begin by giving definitions for the fundamental concepts of (t, m, s)-nets and (t, s)-sequences in base b as first discussed by Niederreiter in [38].

Let $s \geq 1$ be a fixed integer. For an integer $b \geq 2$, an *elementary interval in base* b is an interval of the form

$$E = \prod_{i=1}^{s} [a_i b^{-d_i}, (a_i + 1)b^{-d_i})$$

with integers $d_i \geq 0$ and integers $0 \leq a_i < b^{d_i}$ for $1 \leq i \leq s$. For integers $0 \leq t \leq m$, a *(t, m, s)-net in base b* is a point set of b^m points in $[0, 1)^s$ such that every elementary interval E in base b of volume b^{t-m} contains exactly b^t points of the point set. For an integer $t \geq 0$, a sequence $x_1, x_2, \ldots$ of points in $[0, 1)^s$ is called a *(t, s)-sequence in base b* if for all integers $k \geq 0$ and $m > t$, the point set $\{x_n : kb^m < n \leq (k + 1)b^m\}$ is a (t, m, s)-net in base b. We refer to [38] for a systematic development of the theory and various constructions of such nets and sequences and to [38,39] for applications of nets and sequences to various areas of numerical analysis.

There has been considerable progress both in finding constructions as well as in obtaining bounds on the parameters of (t, m, s)-nets, and so the tables presented here should be of value to researchers and to those who use nets. We also note that in recent years, considerable emphasis has been placed by a number of researchers on the subclass of (t, m, s)-nets known as *digital (t, m, s)-nets in base b*; see for example [11, 19, 22, 51, 53].

2. New (t, m, s)-net constructions. In this section we briefly describe the new constructions for (t, m, s)-nets which have arisen since the publication of [35]. We continue with the numbering which in [35] ended with Construction 16.

Construction 17. In [31] the authors show that given a linear $[n, l, d]$ code over the finite field F_q (q a prime power) with $d \geq 3$, one can construct a digital $(n-l-d+1, n-l, s)$-net in base q where $s = \lfloor \frac{n-1}{h} \rfloor$ if $d = 2h + 2$; and $s = \lfloor \frac{n}{h} \rfloor$ if $d = 2h + 1$. The existing tables of codes [6] were then electronically scanned and the results are tabulated for bases $q = 2, 3$ in [31].

Typeset by $\mathcal{A}_{\mathcal{M}}\mathcal{S}$-TEX

Construction 18. This is, in fact, a whole family of constructions due to Niederreiter and Xing that are based on algebraic curves over finite fields or, equivalently, on algebraic function fields over finite fields. These constructions yield (t, s)-sequences in base b, and nets are obtained by applying the standard principle that the existence of a (t, s)-sequence in base b implies the existence of a $(t, m, s + 1)$-net in base b for all integers $m \geq t$. We refer to Section 3 for further information on the construction of (t, s)-sequences by these methods.

Construction 19. A short paper by Clayman and Mullen [8] gives a computer implementation of the Gilbert-Varshamov bound from coding theory which provides a sufficient condition for the existence of a linear code with a given set of parameters. Schmid [51, p. 33] provides an analogous sufficient condition for the existence of a digital net. Most of the improvements arising from [8] are for base 5.

Construction 20. Schmid and Wolf in [53] provide a series of bounds for both digital (t, m, s)-nets and digital (t, s)-sequences. In addition they obtain a few improvements in bases 2 and 3 to the tables in [35].

Construction 21. In [52] Schmid provides a new method for the construction of digital nets in base 2 which he calls the *shift-net* method.

Construction 22. The main focus of Lawrence [27] is a combinatorial equivalence between the existence of a (t, m, s)-net in base b and the existence of what he calls a *generalized orthogonal array* (GOA), which may be thought of as a three-dimensional orthogonal array in which only certain collections of rows are required to have the orthogonal array property. In addition to this important equivalence, he also provides a new method for constructing GOAs and hence nets which uses orthogonal arrays (see Section 4 for the definition of an orthogonal array). In [28], Lawrence exploits the links between orthogonal arrays, finite projective geometry and both linear and nonlinear error-correcting codes to construct GOAs via the aforementioned construction method from [27]. With this approach he is able to obtain a number of improvements in net parameters.

Construction 23. In [1] Adams and Shader use arrays, called M *arrays*, of elements of the finite field F_q in which certain collections of rows are linearly independent, along with linear codes to give a new construction of generalized orthogonal arrays. The authors then apply the combinatorial equivalence of Lawrence and obtain new classes of (t, m, s)-nets in base q, where q is a prime power.

Construction 24. Edel in [10] uses *ordered orthogonal arrays* (which are analogous to generalized orthogonal arrays) and linear codes over finite fields to construct several classes of nets in base q where q is any prime power. A number of specific examples are constructed in bases $q = 2, 3, 4$, with some being obtained by machine calculation.

Construction 25. In [11] Edel and Bierbrauer provide three families of digital nets in base $b = 2$ and one family in base $b = 3$. The constructions are combinatorial in nature and are obtained by using ordered orthogonal arrays and BCH codes.

Construction 26. In [45] Niederreiter and Xing provide a new propagation rule for nets. In particular, if $b \geq 2, h \geq 1, s \geq 1$, and $0 \leq u \leq m$ are integers, then every (u, m, s)-net in base b^h is a (t, hm, s)-net in base b with $t = \min(hu + (h-1)(s-1), hm)$.

3. New (t, s)-sequence constructions. A family of new methods for the construction of (t, s)-sequences was introduced by Niederreiter and Xing in 1995 and 1996. The basic idea of these methods, namely the use of algebraic curves over finite fields or, equivalently, of algebraic function fields over finite fields, was already sketched earlier in Niederreiter [40], [41]. Altogether, the family of these new methods consists of four different construction principles. In all cases, we first obtain digital (t, s)-sequences in a prime-power base q, and then by the usual direct-product construction in the digital method we get digital (t, s)-sequences in an arbitrary base b.

The first construction principle was introduced in Niederreiter and Xing [44]. It extends the method of Niederreiter listed as Construction 9 in [35] from the rational function field to general algebraic function fields over a finite field F_q. For certain choices of the algebraic function field this yields better sequence parameters than Construction 9. Dramatic improvements were obtained by the second construction principle described in Niederreiter and Xing [45]. Here the heart of the matter is to work with algebraic curves over F_q with many F_q-rational points or, equivalently, with global function fields with many places of degree 1. The third construction principle developed in Xing and Niederreiter [59] offers more freedom of choice since it works well for global function fields containing many places of small degree (not necessarily degree 1), and in some cases it can produce even better sequence parameters than the second construction principle. The fourth construction principle presented in Niederreiter and Xing [46] is relatively easy to apply and yields competitive values of t at least for small dimensions s. A detailed survey of these construction principles and tables of sequence parameters can be found in [47].

4. Bounds for the existence of (t, m, s)-nets. Let $b \geq 2$ and $t \geq 0$ be integers. As noted by Niederreiter in [38], for $m = t$ and $m = t + 1$ a (t, m, s)-net in base b always exists for each $s \geq 1$. Mullen and Whittle [37] showed that for $m \geq t + 2$ a (t, m, s)-net in base b can exist only if

$$s \leq \frac{b^{t+2} - 1}{b - 1}. \tag{1}$$

The values of this upper bound for s (and the corresponding lower bound for t, when m, s and b are prescribed) were tabulated in [35].

A substantial improvement to this bound was obtained by Lawrence as a consequence of the combinatorial equivalence between the existence of a (t, m, s)-net in base b and a corresponding generalized orthogonal array. Before discussing this new bound, we recall the basic notion of an orthogonal array, which is due to Rao [49] (see [15] for more details).

Let k, N, d be positive integers with $k \geq d$ and let $b \geq 2$ be an integer. A $k \times N$ matrix A with entries from a set of b elements is called an *orthogonal array (N, k, b, d) with N columns, k rows, b levels, strength d and index λ* if any $d \times N$ submatrix of A contains all

possible $d \times 1$ columns with the same frequency $\lambda = N/b^d$. We define $f(N, b, d)$ to be the maximum value of k for which an orthogonal array (N, k, b, d) exists.

We note that the transposed array is sometimes used, as for example in [15]. We now state the *orthogonal array bound for nets*, due to Lawrence [27, Thm. 6.1; 29].

Theorem. *Let $s \geq 1, b \geq 2, t \geq 0$ and m be integers with $m \geq t+2$. Then a (t, m, s)-net in base b can exist only if*

$$s \leq \min_{t+2 \leq h \leq m} f(b^h, b, h-t).$$

We note that since $f(b^{t+2}, b, 2) \leq (b^{t+2}-1)/(b-1)$, this bound generalizes the preceding bound (1) of Mullen and Whittle and can represent a significant improvement when $m \geq t+3$, particularly when t is large. For example, it is known that $f(2^{48}, 2, 26) = 52$ and it follows that for $m \geq 48$, a $(22, m, s)$-net in base 2 can exist only if $s \leq 52$; the corresponding bound from (1) is $2^{24} - 1$.

The difficulty with calculating numerical values of this orthogonal array bound for nets is that exact values of the quantities $f(b^h, b, h-t)$ are not known in all cases. However, very good upper bounds for these quantities are available in many cases, as we now explain.

A general upper bound on k, the number of rows in an orthogonal array (N, k, b, d), was obtained by Rao [49] and expressed in the form of certain inequalities which the parameters of any orthogonal array must satisfy, see [49, 26, 27, 15]. Let $R(N, b, d)$ be the maximum number of factors or rows, k, such that the existence of an orthogonal array (N, k, b, d) is not denied by Rao's inequalities. Then $f(N, b, d) \leq R(N, b, d)$. Another upper bound on $f(N, b, d)$ can be obtained from linear programming, following the work of Delsarte [9], and produces results which are always at least as good as Rao's bound (see [15]). We write $LP(N, b, d)$ for the maximum number of rows, k, such that the existence of an orthogonal array (N, k, b, d) is not denied by the linear programming bound. Then

$$f(N, b, d) \leq LP(N, b, d) \leq R(N, b, d).$$

The linear programming bound actually gives a lower bound on the number of columns, N, in an orthogonal array (N, k, b, d) for fixed values of k, b and d, from which corresponding upper bounds on the number of rows can be inferred. Thus for example, by solving an appropriate linear programming problem we find that in an orthogonal array $(N, 30, 2, 4)$ we must have $N > 2^9$. It follows that no orthogonal array $(2^9, 30, 2, 4)$ exists and hence that $LP(2^9, 2, 4) \leq 29$; in fact equality holds. We note that for certain parameter ranges there is also an explicit lower bound for N, the *dual Plotkin bound*, which is due to Bierbrauer [2]. In the binary case, this explicit bound is equivalent to the LP bound, see [3]. Lawrence has inverted the dual Plotkin bound and obtained explicit upper bounds for the quantities $f(N, b, d)$ for the same parameter ranges, see [29].

We computed the upper bounds for s which follow from the orthogonal array bound for nets and appear in the s tables for bases $b = 2, 3, 5$ by using the following procedure. First,

we easily computed the values of $R(b^h, b, h-t)$ for all necessary values of the parameters (up to $h = 50$) for $b = 2, 3, 5$. Next, we calculated the upper bounds for $f(b^h, b, h-t)$ where possible, from the explicit bounds due to Lawrence. The linear programming bounds for certain parameter values were then obtained using Delsarte's method, which was implemented in two ways. If the number of rows did not exceed about 40, satisfactory results were obtained very easily using the AMPL mathematical programming language [14] in combination with the CPLEX optimization system [4]. However, for larger numbers of rows (up to 100) this procedure did not yield results that were accurate to the nearest integer, and we instead used the simplex algorithm that is implemented in the MAPLE programming language [7]. This was very much slower, but did produce exact answers in these parameter situations, i.e. for orthogonal arrays with 100 or fewer rows. Consequently, values for $LP(b^h, b, h-t)$ could only be inferred when these values did not exceed 99. The best available upper bound for each term $f(b^h, b, h-t)$ was then used in the computation of the orthogonal array bound for nets, and the resulting upper bound for s was entered into the appropriate cell in the corresponding s table in base b (see Section 6 for an explanation of the entries in the tables). We note that for $b = 2$, we determined all values of $LP(b^h, b, h-t) \leq 99$ (for all possible choices of $h \leq 50$ and t) which could affect any entry in the binary table of upper bounds for s; in fact all entries affected satisfy $t \leq 27$. However, in the case $b = 3$ the values of $LP(b^h, b, h-t)$ not exceeding 99 were determined only for $t \leq 10$, and for $b = 5$ these were computed only for $t \leq 5$.

It is a consequence of the foregoing that for $b = 2, 3, 5$ many of the upper bounds for s which appear in these tables for $m \geq t+4$ and which exceed 99 might perhaps be reduced with knowledge of the linear programming bound for certain orthogonal arrays (with more than 100 rows). Furthermore, some additional upper bounds for s with $t \geq 11$ in case $b = 3$ and $t \geq 6$ in case $b = 5$ might also be reduced in a similar manner. However, we observe that the equality

$$f(b^h, b, h-t) = LP(b^h, b, h-t)$$

is known to hold in many cases, and so further improvement in many of the upper bounds on s which do not exceed 99 will not be possible solely by using the orthogonal array bound. We refer the reader to [26, 29] for further discussion of these issues.

It is of special interest to note that the orthogonal array bound for nets cannot always be attained and so is not best possible, in general. In particular, it follows from this bound that a $(1, 5, s)$-net in base 2 can exist only if $s \leq 6$. However, Lawrence [30] used properties of orthogonal arrays and generalized orthogonal arrays, together with further combinatorial arguments to show that there is no $(1, 5, 6)$-net in base 2. It follows that if $m \geq 5$, a $(1, m, s)$-net in base 2 can exist only if $s \leq 5$; this upper bound is reflected in the $t = 1$ row of the s table base 2.

Following Lawrence [26, 29], we next observe that these necessary conditions for the existence of a (t, m, s)-net in base b which have been conveniently expressed and discussed

above in terms of upper bounds on s, may be equivalently expressed in the form of lower bounds on t, as we now explain. In general, each s bound implies the nonexistence of a specific net, which in turn implies a corresponding t bound (and conversely).

More specifically, let t', m be fixed integers with $m \geq t'+2$ and suppose that a (t', m, s)-net in base b can possibly exist only if $s \leq s'$. Then no $(t', m, s'+1)$-net exists and it follows that a $(t, m, s'+1)$-net can possibly exist only if $t \geq t'+1$. For example, from the s table in base 2 we see that a binary $(5, 13, s)$-net can possibly exist only if $s \leq 15$. Then no binary $(5, 13, 16)$-net exists. We conclude that a binary $(t, 13, 16)$-net can possibly exist only if $t \geq 6$, as is reflected in the corresponding cell of the t table base 2. In this way, the bounds in the t tables were derived from the bounds in the s tables.

Furthermore, these bounds for the existence of (t, m, s)-nets also immediately imply corresponding bounds for the existence of (t, s)-sequences, in light of the standard result that the existence of a (t, s)-sequence in base b implies the existence of a $(t, m, s+1)$-net in base b for all integers $m \geq t$. For example, the nonexistence of a $(1, 5, 6)$-net in base 2 implies the nonexistence of a $(1, 5)$-sequence in base 2.

We conclude this section by observing that if one considers the subclass of digital (t, m, s)-nets in base b, necessary conditions for existence which are more restrictive than the orthogonal array bound have been obtained in certain instances. We refer to Schmid and Wolf [53] for a series of examples of necessary conditions, some of which are optimal, for the existence of certain digital nets.

5. Related results. Since the writing of [35] there has been a lot of other work related to (t, m, s)-nets and (t, s)-sequences. For the sake of completeness we include a brief discussion of this work.

An important aspect is the combinatorial theory of (t, m, s)-nets which leads not only to some of the constructions listed in Section 2, but also to the bounds for the existence of nets which were discussed in the previous section. The crucial concepts in this combinatorial theory are orthogonal arrays, generalized orthogonal arrays and orthogonal hypercubes, and (as indicated in Section 2) certain types of these combinatorial objects turn out to be equivalent to (t, m, s)-nets. We refer to the work of Lawrence [26], [27], [29], Lawrence and Mullen [32], Mullen and Schmid [36], and Schmid [51]. A survey of combinatorial constructions of (t, m, s)-nets using mutually orthogonal latin squares and mutually orthogonal hypercubes is given in Mullen [34]. A lower bound on the parameter t in (t, s)-sequences was derived in Niederreiter and Xing [46] from a combinatorial result of Lawrence [26].

The paper of Larcher, Lauss, Niederreiter, and Schmid [20] contains existence results for (t, m, s)-nets and tables of net parameters obtained from Construction 13 in [35]. An official ACM software package implementing the (t, s)-sequences of Niederreiter (see Construction 9 in [35]) was announced in Bratley, Fox, and Niederreiter [5]. Another construction of (t, s)-sequences yielding the same parameters as that of Niederreiter was discussed in Tezuka [54, Chapter 6] and Tezuka and Tokuyama [55]. An investigation of general

digital constructions of (t, m, s)-nets and (t, s)-sequences with the use of finite rings was carried out in Larcher, Niederreiter, and Schmid [22].

A generalization of the concept of a (t, s)-sequence was introduced and analyzed in Larcher and Niederreiter [21]. This paper contains also a study of Kronecker-type sequences, i.e., of nonarchimedean analogs of classical Kronecker sequences. Further work on Kronecker-type sequences and their connections with generalized (t, s)-sequences was carried out by Larcher [17] and Niederreiter [42].

A new way of obtaining upper bounds for the star discrepancy of digital (t, m, s)-nets was developed by Larcher [19], and this method was applied in Larcher [18] to obtain probabilistic results on the star discrepancy of sequences constructed by the digital method. Faure and Chaix [13] proved a lower bound of the best possible order of magnitude for the star discrepancy of a special $(0, 2)$-sequence in base 2. Rote and Tichy [50] gave bounds for the dispersion of (t, m, s)-nets. The volume discrepancy of $(0, s)$-sequences was studied by Xiao [56] and Xiao and Faure [58]. The paper of Xiao [57] is devoted to geometric properties of $(0, m, 2)$-nets. Further investigations of randomized (t, m, s)-nets were carried out by Hickernell [16] and Owen [48].

Earlier in this decade it was realized that (t, m, s)-nets provide very effective node sets for the numerical integration of multivariate Walsh series by quasi-Monte Carlo methods (see [35] for references). This line of research was continued by Larcher, Niederreiter, and Schmid [22], Larcher and Schmid [23], Larcher, Schmid, and Wolf [24], and Larcher and Wolf [25]. Related applications to the numerical integration of multivariate Haar series were studied by Entacher [12]. Error bounds for the calculation of volumes of Jordan-measurable sets by quasi-Monte Carlo methods with (t, m, s)-nets were given by Lécot [33]. Applications of the theory of (t, m, s)-nets to the analysis of pseudorandom numbers can be found in Larcher [19] and Niederreiter [43].

6. Tables. For base $b = 2$ we provide updated versions of the t and s tables from [35]. For bases $b = 3$ and $b = 5$, we not only provide an updated version of the corresponding t table from [35], but we also provide s tables for these bases. We provide these new s tables not given in [35] since for many if not most combinatorial constructions, the s parameter is very important. In an effort to keep this paper to a manageable length, we have however not included any tables in base $b = 10$ since in this base there have been few if any new results other than those which arise by use of a product construction from bases 2 and 5.

As in [35], in the t table base 2, at the intersection of row m and column s, we list three numbers. The top number is a lower bound for the smallest value of t for which a (t, m, s)-net in base 2 can possibly exist (see Section 4 for a discussion of these bounds). The middle value is the smallest value of t which arises from any known construction and the bottom value is a tag to that construction (see Section 2 for a discussion of the known constructions). Similar statements hold for the t tables in bases 3 and 5.

In the s table base 2, at the intersection of row t and column m we also provide three numbers. The top number is the largest value of s for which it is known how to construct a

(t, m, s)-net in base 2, while the bottom number is a tag to that construction (see Section 2). The middle number is an upper bound for the largest value of s for which a (t, m, s)-net in base 2 can possibly exist (see Section 4). As in [35], due to space limitations we have restricted the range of values to at most three digits. As a result we have used 999 to represent the fact that the value of s is arbitrarily large; for example as in the cases of (t, t, s) and $(t, t+1, s)$-nets in base b. If $s \geq 998$, but is bounded, we denote this by 998. This occurs for example in the case of an $(8, 10, s)$-net in base 2 where $s = 2^{10} - 1$, which of course exceeds 998. Similar statements hold for the s tables in bases 3 and 5.

T TABLE BASE 2

m/s	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
2	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2	6	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
3	0	0	0	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	0	0	0	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	2	6	6	6	11	2	12	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
4	0	0	0	1	1	1	1	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3
	0	0	0	1	1	1	1	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3
	2	6	6	6	13	13	17	2	2	2	2	2	2	2	12	5	5	5	5	5	5	5	5	5	5
5	0	0	0	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3
	0	0	0	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3
	2	6	6	6	18	16	13	13	13	13	17	17	17	17	17	2	2	2	2	2	2	2	2	2	2
6	0	0	0	1	1	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	0	0	0	1	1	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	2	6	6	6	18	13	20	20	16	16	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
7	0	0	0	1	1	2	2	2	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4
	0	0	0	1	1	2	2	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	2	6	6	6	18	13	21	13	20	20	20	13	17	17	17	17	17	17	17	17	17	17	17	17	17
8	0	0	0	1	1	2	2	2	3	3	3	3	3	3	3	4	4	4	4	4	5	5	5	5	5
	0	0	0	1	1	2	3	3	3	3	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5
	2	6	6	6	18	18	18	21	3	24	13	20	20	20	2	2	24	17	17	17	17	17	17	17	17
9	0	0	0	1	1	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	5	5	5	5	5
	0	0	0	1	1	2	3	3	3	4	4	4	4	4	5	5	5	5	5	5	5	5	5	6	6
	2	6	6	6	18	18	18	2	21	3	3	2	2	24	20	20	20	20	20	20	20	2	24	17	17
10	0	0	0	1	1	2	2	2	3	3	3	4	4	4	4	5	5	5	5	5	5	5	5	5	5
	0	0	0	1	1	2	3	4	4	4	4	5	5	5	5	5	5	5	6	6	6	6	6	6	6
	2	6	6	6	18	18	18	18	16	21	3	3	16	16	2	2	2	24	16	16	16	20	20	20	20
11	0	0	0	1	1	2	2	2	3	3	3	4	4	4	4	5	5	5	5	5	5	5	5	6	6
	0	0	0	1	1	2	3	4	4	4	4	5	5	5	6	6	6	6	6	6	6	6	6	6	7
	2	6	6	6	18	18	18	18	2	2	21	3	2	24	17	17	16	16	2	2	2	2	2	24	16
12	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	5	5	5	5	5	5	5	5	6	6
	0	0	0	1	1	2	3	4	4	5	5	5	5	6	6	6	6	7	7	7	7	7	7	7	7
	2	6	6	6	18	18	18	18	24	16	16	21	24	3	2	2	24	17	17	17	17	17	17	2	2
13	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	6	6	6	6	6	6	6
	0	0	0	1	1	2	3	4	5	5	5	6	6	6	6	6	7	7	7	7	7	7	8	8	8
	2	6	6	6	18	18	18	18	18	2	24	16	21	3	2	24	16	2	2	2	2	24	17	17	17
14	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	6	6	7	7	7	7	7
	0	0	0	1	1	2	3	4	5	5	6	6	6	6	7	7	7	7	7	7	8	8	8	8	8
	2	6	6	6	18	18	18	18	18	24	2	2	2	21	3	16	2	2	2	24	16	16	2	2	2
15	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	6	6	7	7	7	7	7
	0	0	0	1	1	2	3	4	5	6	6	6	7	7	7	7	8	8	8	8	8	8	9	9	9
	2	6	6	6	18	18	18	18	18	18	2	24	16	16	21	24	3	16	16	16	2	24	16	16	16
16	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	7	7	7	7	7	7	7
	0	0	0	1	1	2	3	4	5	6	6	7	7	7	8	8	8	9	9	9	9	9	9	9	10
	2	6	6	6	18	18	18	18	18	18	24	16	2	24	16	21	3	3	16	16	16	16	2	24	16
17	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	7	7	8	8	8	8	8
	0	0	0	1	1	2	3	4	5	6	7	8	8	8	8	8	8	9	10	10	10	10	10	10	11
	2	6	6	6	18	18	18	18	18	18	16	2	2	2	2	2	21	3	3	3	22	16	16	16	16
18	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	7	7	8	8	8	8	9
	0	0	0	1	1	2	3	4	5	6	8	9	9	9	9	9	9	9	10	10	11	11	11	11	12
	2	6	6	6	18	18	18	18	18	18	18	15	16	16	16	16	16	21	3	3	17	16	16	16	2
19	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	7	7	8	8	8	8	9
	0	0	0	1	1	2	3	4	5	6	8	9	10	10	10	10	10	10	10	10	11	12	12	12	13
	2	6	6	6	18	18	18	18	18	18	18	18	18	16	16	16	16	16	21	3	3	17	16	16	17
20	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	7	7	8	8	9	9	9
	0	0	0	1	1	2	3	4	5	6	8	9	10	10	10	10	10	10	10	10	11	12	13	13	13
	2	6	6	6	18	18	18	18	18	18	18	18	18	2	2	2	2	2	2	21	3	3	17	17	17
21	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	7	7	8	8	9	9	10
	0	0	0	1	1	2	3	4	5	6	8	9	10	11	11	11	11	11	11	11	11	12	13	14	14
	2	6	6	6	18	18	18	18	18	18	18	18	18	18	16	16	16	16	16	16	21	3	3	17	17
22	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	7	7	8	8	9	9	10
	0	0	0	1	1	2	3	4	5	6	8	9	10	11	12	12	12	12	12	12	12	12	13	14	15
	2	6	6	6	18	18	18	18	18	18	18	18	18	18	16	16	16	16	16	16	16	21	3	3	17
23	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	7	7	8	8	9	9	10
	0	0	0	1	1	2	3	4	5	6	8	9	10	11	13	13	13	13	13	13	13	13	13	14	15
	2	6	6	6	18	18	18	18	18	18	18	18	18	18	18	16	16	16	16	16	16	16	21	3	3
24	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	7	7	8	8	9	9	10
	0	0	0	1	1	2	3	4	5	6	8	9	10	11	13	14	14	14	14	14	14	14	14	14	15
	2	6	6	6	18	18	18	18	18	18	18	18	18	18	18	16	16	16	16	16	16	16	16	21	3
25	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	7	7	8	8	9	9	10
	0	0	0	1	1	2	3	4	5	6	8	9	10	11	13	15	15	15	15	15	15	15	15	15	15
	2	6	6	6	18	18	18	18	18	18	18	18	18	18	18	15	18	16	16	16	16	16	16	16	21

T TABLE BASE 2

m/s	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
5	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	2	2	2	2	2	12	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
6	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	17	17	17	17	17	17	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
8	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
9	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
10	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7
	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	20	20	20	20	20	2	24	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
11	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	8
	16	16	16	16	16	20	20	20	20	20	20	20	20	20	20	20	20	20	2	2	2	24	17	17	17
12	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	7	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	2	2	2	2	2	22	2	2	2	2	24	16	16	16	16	16	16	16	20	20	20	20	20	20	20
13	6	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9
	17	17	17	17	17	17	17	2	22	16	16	2	2	2	2	2	2	2	2	24	16	16	16	16	16
14	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9
	8	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10
	24	17	17	17	17	17	17	17	17	17	17	17	17	17	17	16	16	16	16	16	17	17	17	17	17
15	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9
	9	9	9	9	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	16	2	2	2	2	2	24	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
16	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
	10	10	10	10	10	10	10	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
	16	16	16	16	16	16	16	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
17	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	10	10	10	10	10	10	10	10	10	10
	11	11	11	11	11	11	11	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	16	16	16	16	16	16	16	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
18	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10	10	10	10	11	11
	12	12	12	12	12	12	12	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
	2	2	2	2	2	23	16	16	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
19	9	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	11	11
	13	13	13	13	13	13	13	13	13	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
	17	17	17	17	16	16	2	2	23	16	16	16	16	16	16	16	16	16	17	17	17	17	17	17	17
20	9	9	9	9	10	10	10	10	10	10	10	10	11	11	11	11	11	11	11	11	11	11	11	11	11
	13	13	13	13	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	15	15	15	15	15	15
	17	17	17	17	17	16	16	16	16	2	2	2	2	2	2	2	2	2	23	16	16	16	17	17	17
21	10	10	10	10	10	10	10	10	10	10	10	10	11	11	11	11	11	11	11	11	11	12	12	12	12
	14	14	14	14	14	14	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	16	16	16
	17	17	17	17	17	3	17	17	17	17	17	17	17	17	17	17	17	16	16	2	2	23	16	16	16
22	10	10	10	10	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	12	12	12	12
	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	16	16	16	16	16	16	16	16
	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	3	17	17	3	3	3	3	3
23	10	10	10	10	11	11	11	11	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	2	2	2	2	2
24	10	10	11	11	11	11	11	11	12	12	12	12	12	12	13	13	13	13	13	13	13	13	13	13	13
	16	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
	3	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	16	16	16
25	10	10	11	11	11	11	12	12	12	12	12	12	12	12	13	13	13	13	13	13	13	13	13	14	14
	16	17	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
	3	3	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17

T TABLE BASE 2

m/s	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
26	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	7	7	8	8	9	9	10
	0	0	0	1	1	2	3	4	5	6	8	9	10	11	13	15	15	16	16	16	16	16	16	16	16
	2	6	6	6	18	18	18	18	18	18	18	18	18	18	18	18	18	16	16	16	16	16	16	16	16
27	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	7	7	8	8	9	9	10
	0	0	0	1	1	2	3	4	5	6	8	9	10	11	13	15	15	17	17	17	17	17	17	17	17
	2	6	6	6	18	18	18	18	18	18	18	18	18	18	18	18	18	16	16	16	16	16	16	16	16
28	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	7	7	8	8	9	9	10
	0	0	0	1	1	2	3	4	5	6	8	9	10	11	13	15	15	18	18	18	18	18	18	18	18
	2	6	6	6	18	18	18	18	18	18	18	18	18	18	18	18	18	18	16	16	16	16	16	16	16
29	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	7	7	8	8	9	9	10
	0	0	0	1	1	2	3	4	5	6	8	9	10	11	13	15	15	18	19	19	19	19	19	19	19
	2	6	6	6	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	16	16	16	16	16
30	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	7	7	8	8	9	9	10
	0	0	0	1	1	2	3	4	5	6	8	9	10	11	13	15	15	18	19	19	20	20	20	20	20
	2	6	6	6	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	16	16	16	16	16
31	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	7	7	8	8	9	9	10
	0	0	0	1	1	2	3	4	5	6	8	9	10	11	13	15	15	18	19	19	21	21	21	21	21
	2	6	6	6	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	16	16	16	16
32	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	7	7	8	8	9	9	10
	0	0	0	1	1	2	3	4	5	6	8	9	10	11	13	15	15	18	19	19	21	22	22	22	22
	2	6	6	6	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	16	16	16	16
33	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	7	7	8	8	9	9	10
	0	0	0	1	1	2	3	4	5	6	8	9	10	11	13	15	15	18	19	19	21	23	23	23	23
	2	6	6	6	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	16	16	16
34	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	7	7	8	8	9	9	10
	0	0	0	1	1	2	3	4	5	6	8	9	10	11	13	15	15	18	19	19	21	23	24	24	24
	2	6	6	6	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	16	16	16
35	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	7	7	8	8	9	9	10
	0	0	0	1	1	2	3	4	5	6	8	9	10	11	13	15	15	18	19	19	21	23	25	25	25
	2	6	6	6	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	17	17	17
36	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	7	7	8	8	9	9	10
	0	0	0	1	1	2	3	4	5	6	8	9	10	11	13	15	15	18	19	19	21	23	25	25	25
	2	6	6	6	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	17	17	17
37	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	7	7	8	8	9	9	10
	0	0	0	1	1	2	3	4	5	6	8	9	10	11	13	15	15	18	19	19	21	23	25	25	26
	2	6	6	6	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	17
38	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	7	7	8	8	9	9	10
	0	0	0	1	1	2	3	4	5	6	8	9	10	11	13	15	15	18	19	19	21	23	25	25	27
	2	6	6	6	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	17
39	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	7	7	8	8	9	9	10
	0	0	0	1	1	2	3	4	5	6	8	9	10	11	13	15	15	18	19	19	21	23	25	25	28
	2	6	6	6	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	17
40	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	7	7	8	8	9	9	10
	0	0	0	1	1	2	3	4	5	6	8	9	10	11	13	15	15	18	19	19	21	23	25	25	29
	2	6	6	6	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	17
41	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	7	7	8	8	9	9	10
	0	0	0	1	1	2	3	4	5	6	8	9	10	11	13	15	15	18	19	19	21	23	25	25	29
	2	6	6	6	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
42	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	7	7	8	8	9	9	10
	0	0	0	1	1	2	3	4	5	6	8	9	10	11	13	15	15	18	19	19	21	23	25	25	29
	2	6	6	6	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
43	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	7	7	8	8	9	9	10
	0	0	0	1	1	2	3	4	5	6	8	9	10	11	13	15	15	18	19	19	21	23	25	25	29
	2	6	6	6	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
44	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	7	7	8	8	9	9	10
	0	0	0	1	1	2	3	4	5	6	8	9	10	11	13	15	15	18	19	19	21	23	25	25	29
	2	6	6	6	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
45	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	7	7	8	8	9	9	10
	0	0	0	1	1	2	3	4	5	6	8	9	10	11	13	15	15	18	19	19	21	23	25	25	29
	2	6	6	6	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
46	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	7	7	8	8	9	9	10
	0	0	0	1	1	2	3	4	5	6	8	9	10	11	13	15	15	18	19	19	21	23	25	25	29
	2	6	6	6	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
47	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	7	7	8	8	9	9	10
	0	0	0	1	1	2	3	4	5	6	8	9	10	11	13	15	15	18	19	19	21	23	25	25	29
	2	6	6	6	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
48	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	7	7	8	8	9	9	10
	0	0	0	1	1	2	3	4	5	6	8	9	10	11	13	15	15	18	19	19	21	23	25	25	29
	2	6	6	6	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
49	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	7	7	8	8	9	9	10
	0	0	0	1	1	2	3	4	5	6	8	9	10	11	13	15	15	18	19	19	21	23	25	25	29
	2	6	6	6	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
50	0	0	0	1	1	2	2	2	3	3	3	4	4	4	5	6	6	6	7	7	8	8	9	9	10
	0	0	0	1	1	2	3	4	5	6	8	9	10	11	13	15	15	18	19	19	21	23	25	25	29
	3	6	6	6	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18

T TABLE BASE 2

m/s	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
26	10	10	11	11	11	11	12	12	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	14	14
	16	17	18	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
	21	3	3	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
27	10	10	11	11	12	12	12	12	13	13	13	13	13	14	14	14	14	14	14	14	14	14	14	14	14
	17	17	18	19	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
	16	21	3	3	16	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
28	10	10	11	11	12	12	13	13	13	13	13	13	13	14	14	14	14	14	15	15	15	15	15	15	15
	18	18	18	19	20	20	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
	16	16	21	3	17	17	17	16	16	16	16	16	16	16	16	16	16	17	17	17	17	17	17	17	17
29	10	10	11	11	12	12	13	13	13	13	14	14	14	14	14	14	14	14	15	15	15	15	15	15	15
	19	19	19	19	20	20	20	21	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	16	16	16	21	17	17	17	17	16	16	16	16	16	16	16	16	16	16	16	17	17	17	17	17	17
30	10	10	11	11	12	12	13	13	13	13	14	14	15	15	15	15	15	15	15	15	15	15	15	15	15
	20	20	20	20	20	21	21	21	22	22	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
	16	16	16	16	21	17	17	17	3	17	16	16	16	16	16	16	16	16	16	16	16	16	17	17	17
31	10	10	11	11	12	12	13	13	13	14	14	14	15	15	15	15	15	16	16	16	16	16	16	16	16
	21	21	21	21	21	21	22	22	22	22	23	23	23	23	23	23	24	24	24	24	24	24	24	24	24
	16	16	16	16	16	21	17	17	17	17	17	17	17	17	17	17	16	16	16	16	16	16	16	16	16
32	10	10	11	11	12	12	13	13	13	14	15	15	15	15	15	15	15	16	16	16	16	16	17	17	17
	22	22	22	22	22	22	22	23	23	23	23	23	23	23	23	23	24	24	24	24	24	24	24	24	24
	16	16	16	16	16	16	21	17	17	17	17	17	17	17	17	17	3	17	17	17	17	17	17	17	17
33	10	10	11	11	12	12	13	13	13	14	15	15	15	15	16	16	16	16	16	16	16	16	17	17	17
	23	23	23	23	23	23	23	23	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
	16	16	16	16	16	16	16	21	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
34	10	10	11	11	12	12	13	13	13	14	15	15	15	15	16	16	17	17	17	17	17	17	17	17	17
	24	24	24	24	24	24	24	24	24	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	16	16	16	16	16	16	16	21	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
35	10	10	11	11	12	12	13	13	13	14	15	15	15	16	16	16	17	17	17	17	17	18	18	18	18
	25	25	25	25	25	25	25	25	25	25	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
	16	16	16	16	16	16	16	16	16	21	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
36	10	10	11	11	12	12	13	13	13	14	15	15	15	16	17	17	17	17	17	17	17	18	18	18	18
	26	26	26	26	26	26	26	26	26	26	26	27	27	27	27	27	27	27	27	27	27	27	27	27	27
	17	17	16	16	16	16	16	16	16	16	21	17	17	17	17	17	17	17	17	17	17	17	17	17	17
37	10	10	11	11	12	12	13	13	13	14	15	15	15	16	17	17	17	17	17	18	18	18	18	18	18
	26	26	27	27	27	27	27	27	27	27	27	27	28	28	28	28	28	28	28	28	28	28	28	28	28
	17	17	17	16	16	16	16	16	16	16	16	21	17	17	17	17	17	17	17	17	17	17	17	17	17
38	10	10	11	11	12	12	13	13	13	14	15	15	15	16	17	17	17	17	18	18	18	19	19	19	19
	27	27	27	28	28	28	28	28	28	28	28	28	28	29	29	29	29	29	29	29	29	29	29	29	29
	17	17	17	17	16	16	16	16	16	16	16	16	21	17	17	17	17	17	17	17	17	17	17	17	17
39	10	10	11	11	12	12	13	13	13	14	15	15	15	16	17	17	17	18	18	18	18	19	19	19	19
	28	28	28	28	29	29	29	29	29	29	29	29	29	29	30	30	30	30	30	30	30	30	30	30	30
	17	17	17	17	3	17	17	17	17	17	17	17	17	21	16	16	16	16	16	16	16	16	17	17	17
40	10	10	11	11	12	12	13	13	13	14	15	15	15	16	17	17	17	18	18	19	19	19	19	19	19
	29	29	29	29	29	29	29	29	29	29	29	29	29	30	30	30	30	30	30	30	30	30	30	30	30
	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
41	10	10	11	11	12	12	13	13	13	14	15	15	15	16	17	17	17	18	18	19	19	19	19	20	20
	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
42	10	10	11	11	12	12	13	13	13	14	15	15	15	16	17	17	17	18	18	19	19	19	19	20	20
	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
43	10	10	11	11	12	12	13	13	13	14	15	15	15	16	17	17	17	18	18	19	19	20	20	20	20
	31	31	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
	18	18	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
44	10	10	11	11	12	12	13	13	13	14	15	15	15	16	17	17	17	18	18	19	19	20	20	21	21
	31	31	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
	18	18	16	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
45	10	10	11	11	12	12	13	13	13	14	15	15	15	16	17	17	17	18	18	19	19	20	20	21	21
	31	31	33	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
	18	18	18	16	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
46	10	10	11	11	12	12	13	13	13	14	15	15	15	16	17	17	17	18	18	19	19	20	20	21	21
	31	31	33	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
	18	18	18	16	16	16	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
47	10	10	11	11	12	12	13	13	13	14	15	15	15	16	17	17	17	18	18	19	19	20	20	21	21
	31	31	33	35	35	35	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
	18	18	18	17	17	17	16	16	16	16	16	16	16	17	17	17	17	17	17	17	17	17	17	17	17
48	10	10	11	11	12	12	13	13	13	14	15	15	15	16	17	17	17	18	18	19	19	20	20	21	21
	31	31	33	35	35	35	36	36	36	36	36	36	36	36	36	36	36	37	37	37	37	37	37	37	37
	18	18	18	17	17	17	3	17	17	17	17	17	17	17	17	17	17	16	16	16	16	16	16	16	16
49	10	10	11	11	12	12	13	13	13	14	15	15	15	16	17	17	17	18	18	19	19	20	20	21	21
	31	31	33	36	36	36	36	36	36	36	36	36	36	36	36	36	36	38	38	38	38	38	38	38	38
	18	18	18	17	17	17	17	17	17	17	17	17	17	17	17	17	17	16	16	16	16	16	16	16	16
50	10	10	11	11	12	12	13	13	13	14	15	15	15	16	17	17	17	18	18	19	19	20	20	21	21
	31	31	33	36	36	37	37	37	37	37	37	37	37	37	37	37	37	39	39	39	39	39	39	39	39
	18	18	18	18	18	17	17	17	17	17	17	17	17	17	17	17	17	16	16	16	16	16	16	16	16

S TABLE BASE 2

t/m	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
0	999	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	999	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1	999	999	7	7	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	999	999	7	7	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	4	5	12	17	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
2		999	999	15	15	8	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
		999	999	15	15	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
		4	5	12	17	20	21	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
3			999	999	31	31	11	10	9	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
			999	999	31	31	15	15	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
			4	5	12	17	20	24	21	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
4				999	999	63	63	17	14	11	11	9	8	8	8	8	8	8	8	8	8	8	8	8	8
				999	999	63	63	20	20	15	15	14	14	14	14	14	14	14	14	14	14	14	14	14	14
				4	5	12	17	24	24	3	21	24	18	18	18	18	18	18	18	18	18	18	18	18	18
5					999	999	127	127	23	18	14	13	11	10	9	9	9	9	9	9	9	9	9	9	9
					999	999	127	127	29	29	23	23	15	15	15	15	15	15	15	15	15	15	15	15	15
					4	5	12	17	24	24	24	24	24	24	18	18	18	18	18	18	18	18	18	18	18
6						999	999	255	255	32	24	17	16	14	12	11	10	10	10	10	10	10	10	10	10
						999	999	255	255	42	42	26	26	20	20	18	18	18	18	18	18	18	18	18	18
						4	5	12	17	24	24	24	24	21	24	24	18	18	18	18	18	18	18	18	18
7							999	999	511	511	47	36	22	20	16	14	11	10	10	10	10	10	10	10	10
							999	999	511	511	63	63	34	34	25	25	20	20	20	20	20	20	20	20	20
							4	5	12	17	24	24	24	24	24	24	16	16	16	16	16	16	16	16	16
8								999	999	998	998	65	45	26	22	17	17	11	11	11	11	11	11	11	11
								999	999	998	998	89	89	44	44	33	33	24	24	22	22	22	22	22	22
								4	5	12	17	25	24	24	24	3	21	18	18	18	18	18	18	18	18
9									999	999	998	998	65	45	32	24	18	18	12	12	12	12	12	12	12
									999	999	998	998	127	127	56	56	40	40	29	29	24	24	24	24	24
									4	5	12	17	23	16	24	24	3	21	18	18	18	18	18	18	18
10										999	999	998	998	128	64	32	24	20	20	20	13	13	13	13	13
										999	999	998	998	180	180	71	71	48	48	37	37	29	29	27	27
										4	5	12	17	24	17	16	16	3	3	21	18	18	18	18	18
11											999	999	998	998	129	127	32	24	21	21	21	14	14	14	14
											999	999	998	998	255	255	91	91	58	58	46	46	33	33	31
											4	5	12	17	25	22	16	16	3	3	21	18	18	18	18
12												999	999	998	998	257	131	32	24	22	22	22	14	14	14
												999	999	998	998	361	361	116	116	69	69	53	53	39	39
												4	5	12	17	25	22	16	16	3	3	21	16	16	16
13													999	999	998	998	257	139	34	29	23	23	23	15	15
													999	999	998	998	511	511	146	146	82	82	61	61	48
													4	5	12	17	25	22	23	17	3	3	21	18	18
14														999	999	998	998	510	256	44	31	24	24	24	15
														999	999	998	998	723	723	184	184	99	99	71	71
														4	5	12	17	25	22	23	17	3	3	21	16
15															999	999	998	998	513	511	47	42	25	25	25
															999	999	998	998	998	998	232	232	119	119	81
															4	5	12	17	25	22	23	17	3	3	21
16																999	999	998	998	998	516	85	85	26	26
																999	999	998	998	998	998	293	293	142	142
																4	5	12	17	25	22	3	22	3	3
17																	999	999	998	998	998	527	85	47	27
																	999	999	998	998	998	998	369	369	168
																	4	5	12	17	25	22	1	17	3
18																		999	999	998	998	998	998	85	85
																		999	999	998	998	998	998	465	465
																		4	5	12	17	3	22	17	17
19																			999	999	998	998	998	998	85
																			999	999	998	998	998	998	586
																			4	5	12	17	1	22	16
20																				999	999	998	998	998	998
																				999	999	998	998	998	998
																				4	5	12	17	1	22
21																					999	999	998	998	998
																					999	999	998	998	998
																					4	5	12	17	1
22																						999	999	998	998
																						999	999	998	998
																						4	5	12	17
23																							999	999	998
																							999	999	998
																							4	5	12
24																								999	999
																								999	999
																								4	5
25																									999
																									999
																									4

S TABLE BASE 2

t/m	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
0	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
2	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
3	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
4	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
5	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
6	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
7	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
8	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
9	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
10	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
11	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
	31	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
12	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
	33	33	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
13	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
	48	38	38	35	35	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
14	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
	58	58	43	43	37	37	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
15	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
	81	66	66	52	52	42	42	39	39	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
16	26	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
	95	95	74	74	59	59	47	47	41	41	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
	21	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
17	27	27	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
	168	110	110	85	85	68	68	53	53	46	46	44	44	42	42	42	42	42	42	42	42	42	42	42	42
	3	21	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
18	28	28	28	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
	200	200	127	127	95	95	79	79	62	62	52	52	46	46	44	44	44	44	44	44	44	44	44	44	44
	3	3	21	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
19	85	29	29	29	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
	586	238	238	146	146	108	108	87	87	71	71	57	57	50	50	48	48	46	46	46	46	46	46	46	46
	17	3	3	21	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
20	85	85	32	32	30	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
	738	738	283	283	167	167	122	122	97	97	78	78	63	63	53	53	50	50	48	48	48	48	48	48	48
	16	17	17	17	21	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
21	128	85	85	33	33	31	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
	998	930	930	337	337	192	192	136	136	110	110	91	91	73	73	61	61	53	53	52	52	50	50	50	50
	16	16	17	17	17	21	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
22	341	341	341	341	35	35	32	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
	998	998	998	998	401	401	220	220	153	153	121	121	103	103	82	82	67	67	57	57	54	54	52	52	52
	3	3	3	22	17	17	21	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
23	998	998	998	341	85	41	41	33	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	998	998	998	998	998	476	476	253	253	172	172	133	133	112	112	89	89	75	75	62	62	58	58	56	56
	17	3	22	1	17	17	17	21	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
24	998	998	998	998	85	85	64	64	34	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	998	998	998	998	998	998	567	567	291	291	193	193	147	147	122	122	99	99	83	83	71	71	61	61	58
	12	17	1	22	16	17	17	17	21	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
25	999	998	998	998	128	85	85	64	64	35	25	24	24	24	24	24	24	24	24	24	24	24	24	24	24
	999	998	998	998	998	998	998	674	674	334	334	216	216	162	162	133	133	116	116	93	93	77	77	66	66
	5	12	17	1	16	16	16	16	17	21	17	18	18	18	18	18	18	18	18	18	18	18	18	18	18

S TABLE BASE 2

t/m	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
26	999 999 4	999 999 5	998 998 12	998 998 17	128 998 16	128 998 16	85 998 16	85 998 16	64 801 16	64 801 17	36 384 21	27 384 17	24 242 16	24 242 16	24 179 16	24 179 16	24 145 16	24 145 16	24 125 16	24 125 16	24 113 16	24 113 16	24 85 16	24 85 16	24 72 16
27		999 999 4	999 999 5	998 998 12	998 998 17	998 998 3	998 998 22	85 998 16	85 998 16	64 953 16	64 953 17	37 440 21	28 440 17	24 272 16	24 272 16	24 197 16	24 197 16	24 158 16	24 158 16	24 135 16	24 135 16	24 121 16	24 121 16	24 95 16	24 95 16
28			999 999 4	999 999 5	998 998 12	998 998 17	998 998 1	998 998 22	998 998 3	998 998 22	64 998 16	64 998 17	38 506 21	29 506 17	24 305 16	24 305 16	24 218 16	24 218 16	24 172 16	24 172 16	24 146 16	24 146 16	24 129 16	24 129 16	24 118 16
29				999 999 4	999 999 5	998 998 12	998 998 17	998 998 1	998 998 3	998 998 1	85 998 16	64 998 16	64 998 17	39 581 21	38 581 17	25 342 18	25 342 18	25 240 18	25 240 18	25 188 18	25 188 18	25 157 18	25 157 18	25 138 18	25 138 18
30					999 999 4	999 999 5	998 998 12	998 998 17	998 998 1	998 998 1	85 998 16	85 998 16	64 998 16	64 998 17	51 667 17	51 667 17	25 384 16	25 384 16	25 265 16	25 265 16	25 205 16	25 205 16	25 170 16	25 170 16	25 148 16
31						999 999 4	999 999 5	998 998 12	998 998 17	998 998 3	998 998 22	85 998 16	85 998 16	64 998 16	64 998 17	51 767 16	51 767 17	27 431 18	27 431 18	27 293 18	27 293 18	27 223 18	27 223 18	27 183 18	27 183 18
32							999 999 4	999 999 5	998 998 12	998 998 17	998 998 1	998 998 22	85 998 16	85 998 16	64 998 16	64 998 17	51 881 16	51 881 17	27 484 16	27 484 16	27 323 16	27 323 16	27 243 16	27 243 16	27 198 16
33								999 999 4	999 999 5	998 998 12	998 998 17	998 998 1	128 998 16	85 998 16	85 998 16	64 998 17	64 998 16	51 998 17	51 998 18	28 543 18	28 543 18	28 356 18	28 356 18	28 265 18	28 265 18
34									999 999 4	999 999 5	998 998 12	998 998 17	998 998 3	998 998 3	998 998 22	998 998 1	64 998 16	64 998 16	51 998 16	51 998 17	28 609 16	28 609 16	28 393 16	28 393 16	28 288 16
35										999 999 4	999 999 5	998 998 12	998 998 17	998 998 3	998 998 22	998 998 1	85 998 16	64 998 16	64 998 16	51 998 16	51 998 17	31 684 17	31 684 17	28 434 16	28 434 16
36											999 999 4	999 999 5	998 998 12	998 998 17	998 998 1	998 998 22	85 998 16	85 998 16	64 998 16	64 998 16	51 998 16	51 998 17	42 767 17	42 767 17	30 479 18
37												999 999 4	999 999 5	998 998 12	998 998 17	998 998 1	128 998 16	85 998 16	85 998 16	64 998 16	64 998 16	51 998 17	51 998 17	42 861 17	42 861 18
38													999 999 4	999 999 5	998 998 12	998 998 17	128 998 16	128 998 16	85 998 16	85 998 16	64 998 16	64 998 16	51 998 16	51 998 16	42 967 16
39														999 999 4	999 999 5	998 998 12	998 998 17	998 998 3	998 998 22	85 998 16	85 998 16	64 998 16	64 998 16	51 998 16	51 998 16
40															999 999 4	999 999 5	998 998 12	998 998 17	998 998 1	998 998 22	998 998 3	998 998 22	64 998 16	64 998 16	51 998 16
41																999 999 4	999 999 5	998 998 12	998 998 17	998 998 1	998 998 3	998 998 1	85 998 16	64 998 16	64 998 16
42																	999 999 4	999 999 5	998 998 12	998 998 17	998 998 1	998 998 1	85 998 16	85 998 16	64 998 16
43																		999 999 4	999 999 5	998 998 12	998 998 17	998 998 3	998 998 22	85 998 16	85 998 16
44																			999 999 4	999 999 5	998 998 12	998 998 17	998 998 1	998 998 22	85 998 16
45																				999 999 4	999 999 5	998 998 12	998 998 17	998 998 1	128 998 16
46																					999 999 4	999 999 5	998 998 12	998 998 17	128 998 16
47																						999 999 4	999 999 5	998 998 12	998 998 17
48																							999 999 4	999 999 5	998 998 12
49																								999 999 4	999 999 5
50																									999 999 1

T TABLE BASE 3

m/s	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
2	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2	2	2	7	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
3	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2
	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2
	2	2	2	8	9	2	2	2	2	2	2	2	12	5	5	5	5	5	5	5	5	5	5	5	5
4	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	2	2	2	8	9	17	17	17	17	17	16	16	16	2	2	2	2	2	2	2	2	2	2	2	2
5	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	0	0	0	0	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3
	2	2	2	8	9	18	18	24	16	2	17	17	17	17	17	17	17	17	17	17	16	16	16	16	16
6	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3
	0	0	0	0	1	1	1	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3
	2	2	2	8	9	18	18	18	20	20	2	2	2	24	17	17	17	17	17	17	17	17	17	17	17
7	0	0	0	0	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3
	0	0	0	0	1	1	1	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	2	2	2	8	9	18	18	18	17	17	17	17	17	20	20	20	20	20	2	2	2	2	2	2	2
8	0	0	0	0	1	1	1	1	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3
	0	0	0	0	1	1	1	2	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4
	2	2	2	8	9	18	18	18	17	17	17	17	17	3	17	17	17	17	17	17	20	20	20	20	20
9	0	0	0	0	1	1	1	1	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4
	0	0	0	0	1	1	1	2	3	3	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5
	2	2	2	8	9	18	18	18	18	18	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
10	0	0	0	0	1	1	1	1	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4
	0	0	0	0	1	1	1	2	3	3	4	4	5	5	5	5	5	6	6	6	6	6	6	6	6
	2	2	2	8	9	18	18	18	18	18	18	18	17	17	17	17	17	16	17	17	17	17	17	17	17
11	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	3	3	3	3	4	4	4	4	4
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	6	6	6	6	6	6	7	7	7	7	7
	2	2	2	8	9	18	18	18	18	18	18	18	18	17	17	17	17	17	17	17	17	17	17	17	17
12	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	3	3	3	4	4	4	4	4	4
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	7	7	7	7	7	7	7	7	7
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	17	17	17	17	17	17	17	17	17	17	17
13	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	3	4	4	4	4	4	4	4	4
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	8	8	8	8	8	8	8	8	8
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	17	17	17	17	17	17	17	17	17
14	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	4	4	4	4	5
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	9	9	9	9	9	9
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	16	16	16	17	17	17	17	17	17
15	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	4	4	5	5	5
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	10	10	10	10	10	10
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	16	17	17	17	17	17
16	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	5
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	10	10	10	10	10	10
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	17	17	17	17	17
17	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	5	5	5
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	10	10	10	10	10	10
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	17	17	17	17	17	17
18	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	5	5	5
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	11	11	11	11	11	11
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	17	17	17	17	17	17
19	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	5	5	6
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	11	12	12	12	12	12
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	17	17	17	17	17
20	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	6
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	11	12	12	13	13	13
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	17	17	17
21	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	6
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	11	12	12	13	13	14
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	16
22	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	6
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	11	12	12	13	13	15
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	16
23	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	6
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	11	12	12	13	13	15
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
24	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	6
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	11	12	12	13	13	15
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
25	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	6
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	11	12	12	13	13	15
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18

T TABLE BASE 3

m/s	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	12	5	5	5	5	5	5	5	5	5	5
5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	2	2	2	2	2	2	2	2	2	2
6	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
7	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	24	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
8	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	20	20	20	20	20	20	20	16	16	16	16	16	16	16	16	17	17	17	17	17	17	17	17	17	17
9	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	20	20	20	20	20	20	20	20	20	20
10	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
11	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
12	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	17	17	16	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
13	4	4	4	4	4	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6
	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9
	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	16	17	17	17	17	17	17	17	17
14	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6
	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
15	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
16	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7
	10	10	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
	17	17	16	16	16	16	16	16	16	16	16	16	16	16	16	17	17	17	17	17	17	17	17	17	17
17	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7
	10	10	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	17	17	16	16	16	16	16	16	16	16	16	16	16	16	16	17	17	17	17	17	17	17	17	17	17
18	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7
	11	11	12	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
	17	17	17	16	16	16	16	16	16	16	16	16	16	16	16	16	17	17	17	17	17	17	17	17	17
19	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	8
	12	12	13	13	13	13	13	13	13	13	13	13	13	13	13	14	14	14	14	14	14	14	14	14	14
	17	17	16	17	17	17	17	17	17	17	17	17	17	17	17	16	16	16	16	16	16	16	16	16	16
20	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8
	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	14	14	14	15	15	15	15	15	15	15
	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	16	16	16	16	16	16	16
21	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8
	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	15	16	16	16	16	16	16
	16	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	19	16	16	16	16	16	16
22	6	6	7	7	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9
	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	16	16	16	16	16	16	16
	16	16	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	16	2	2	2	2	2	2
23	6	6	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	9
	15	15	15	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	17	17	17	17	17	17	17
	18	18	18	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	16	16	16	16	16	16	16
24	6	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9
	15	15	15	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	18	18	18	18	18	18	18
	18	18	18	16	16	16	16	17	17	17	17	17	17	17	17	17	17	17	16	16	16	16	16	16	16
25	6	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9
	15	15	15	17	17	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	19
	18	18	18	17	17	16	16	16	16	16	16	16	16	16	16	17	17	17	2	2	2	2	2	19	16

T TABLE BASE 3

m/s	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
26	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	6
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	11	12	12	13	13	15
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
27	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	6
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	11	12	12	13	13	15
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
28	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	6
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	11	12	12	13	13	15
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
29	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	6
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	11	12	12	13	13	15
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
30	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	6
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	11	12	12	13	13	15
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
31	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	6
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	11	12	12	13	13	15
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
32	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	6
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	11	12	12	13	13	15
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
33	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	6
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	11	12	12	13	13	15
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
34	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	6
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	11	12	12	13	13	15
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
35	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	6
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	11	12	12	13	13	15
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
36	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	6
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	11	12	12	13	13	15
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
37	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	6
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	11	12	12	13	13	15
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
38	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	6
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	11	12	12	13	13	15
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
39	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	6
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	11	12	12	13	13	15
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
40	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	6
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	11	12	12	13	13	15
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
41	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	6
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	11	12	12	13	13	15
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
42	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	6
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	11	12	12	13	13	15
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
43	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	6
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	11	12	12	13	13	15
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
44	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	6
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	11	12	12	13	13	15
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
45	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	6
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	11	12	12	13	13	15
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
46	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	6
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	11	12	12	13	13	15
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
47	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	6
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	11	12	12	13	13	15
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
48	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	6
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	11	12	12	13	13	15
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
49	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	6
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	11	12	12	13	13	15
	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
50	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	6	6	6
	0	0	0	0	1	1	1	2	3	3	4	4	5	6	7	7	9	9	9	11	12	12	13	13	15
	3	3	3	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18

T TABLE BASE 3

m/s	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
26	6	7	7	7	7	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	9	9	9
	15	15	15	18	18	18	18	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
	18	18	18	17	17	17	17	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	2
27	6	7	7	7	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	9	9	10	10	10
	15	15	15	19	19	19	19	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
	18	18	18	17	17	17	17	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
28	6	7	7	7	8	8	8	8	9	9	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10
	15	15	15	20	20	20	20	20	20	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
	18	18	18	17	17	17	17	2	2	19	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
29	6	7	7	7	8	8	8	8	9	9	9	9	9	9	9	10	10	10	10	10	10	10	10	10	10
	15	15	15	20	20	20	20	21	21	21	21	21	21	21	21	22	22	22	22	22	22	22	22	22	22
	18	18	18	17	17	17	17	16	16	16	2	2	2	2	19	16	16	16	16	16	16	16	16	16	16
30	6	7	7	7	8	8	8	9	9	9	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10
	15	15	15	21	21	21	21	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	23	23	23
	18	18	18	16	16	17	17	16	16	16	16	16	16	16	16	2	2	2	2	2	2	19	16	16	16
31	6	7	7	7	8	8	8	9	9	9	9	10	10	10	10	10	10	10	10	10	11	11	11	11	11
	15	15	15	22	22	22	22	22	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
	18	18	18	16	16	16	16	19	16	16	16	16	16	16	16	16	16	16	16	16	16	16	2	2	2
32	6	7	7	7	8	8	8	9	9	9	9	10	10	10	10	10	11	11	11	11	11	11	11	11	11
	15	15	15	23	23	23	23	23	23	23	23	23	23	24	24	24	24	24	24	24	24	24	24	24	24
	18	18	18	16	16	16	16	16	2	2	2	2	19	16	16	16	16	16	16	16	16	16	16	16	16
33	6	7	7	7	8	8	8	9	9	9	10	10	10	10	10	10	11	11	11	11	11	11	11	11	11
	15	15	15	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	25	25	25	25	25	25
	18	18	18	16	16	16	16	16	16	16	16	16	2	2	2	2	2	19	16	16	16	16	16	16	16
34	6	7	7	7	8	8	8	9	9	9	10	10	10	10	11	11	11	11	11	11	11	11	11	11	11
	15	15	15	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	18	18	18	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	2	2	2	2	2	19
35	6	7	7	7	8	8	8	9	9	9	10	10	10	10	11	11	11	11	11	12	12	12	12	12	12
	15	15	15	25	25	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
	18	18	18	2	19	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
36	6	7	7	7	8	8	8	9	9	9	10	10	10	10	11	11	11	11	11	12	12	12	12	12	12
	15	15	15	26	26	26	26	26	26	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
	18	18	18	16	16	2	2	2	19	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
37	6	7	7	7	8	8	8	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12	12	12	12
	15	15	15	27	27	27	27	27	27	27	27	27	27	28	28	28	28	28	28	28	28	28	28	28	28
	18	18	18	16	16	16	16	16	16	2	2	2	19	16	16	16	16	16	16	16	16	16	16	16	16
38	6	7	7	7	8	8	8	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12	12	12	12
	15	15	15	27	27	28	28	28	28	28	28	28	28	28	28	28	28	28	29	29	29	29	29	29	29
	18	18	18	2	19	16	16	16	16	16	16	16	16	2	2	2	2	19	16	16	16	16	16	16	16
39	6	7	7	7	8	8	8	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12	12	12	12
	15	15	15	28	28	28	28	28	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	30
	18	18	18	16	16	2	2	19	16	16	16	16	16	16	16	16	16	16	2	2	2	2	2	19	16
40	6	7	7	7	8	8	8	9	9	9	10	10	10	10	11	11	11	12	12	12	12	12	12	12	12
	15	15	15	29	29	29	29	29	29	29	29	29	30	30	30	30	30	30	30	30	30	30	30	30	30
	18	18	18	16	16	16	16	16	2	2	2	19	16	16	16	16	16	16	16	16	16	16	16	16	2
41	6	7	7	7	8	8	8	9	9	9	10	10	10	10	11	11	11	12	12	12	12	12	12	12	12
	15	15	15	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	31	31	31	31	31	31	31
	18	18	18	16	16	16	16	16	16	16	16	16	2	2	2	19	16	16	16	16	16	16	16	16	16
42	6	7	7	7	8	8	8	9	9	9	10	10	10	10	11	11	11	12	12	12	12	12	12	12	12
	15	15	15	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	32	32	32	32
	18	18	18	16	16	16	16	16	16	16	16	16	16	16	16	16	2	2	2	2	19	16	16	16	16
43	6	7	7	7	8	8	8	9	9	9	10	10	10	10	11	11	11	12	12	12	13	13	13	13	13
	15	15	15	31	31	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
	18	18	18	2	19	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	2	2	2	2
44	6	7	7	7	8	8	8	9	9	9	10	10	10	10	11	11	11	12	12	12	13	13	13	13	13
	15	15	15	32	32	32	32	32	32	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
	18	18	18	16	16	2	2	2	19	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
45	6	7	7	7	8	8	8	9	9	9	10	10	10	10	11	11	11	12	12	12	13	13	13	13	13
	15	15	15	33	33	33	33	33	33	33	33	33	34	34	34	34	34	34	34	34	34	34	34	34	34
	18	18	18	16	16	16	16	16	16	2	2	19	16	16	16	16	16	16	16	16	16	16	16	16	16
46	6	7	7	7	8	8	8	9	9	9	10	10	10	10	11	11	11	12	12	12	13	13	13	14	14
	15	15	15	33	33	34	34	34	34	34	34	34	34	34	34	34	35	35	35	35	35	35	35	35	35
	18	18	18	2	19	16	16	16	16	16	16	16	2	2	2	19	16	16	16	16	16	16	16	16	16
47	6	7	7	7	8	8	8	9	9	9	10	10	10	10	11	11	11	12	12	12	13	13	13	14	14
	15	15	15	34	34	34	34	34	35	35	35	35	35	35	35	35	35	35	35	35	36	36	36	36	36
	18	18	18	16	16	2	2	19	16	16	16	16	16	16	16	16	2	2	2	19	16	16	16	16	16
48	6	7	7	7	8	8	8	9	9	9	10	10	10	10	11	11	11	12	12	12	13	13	13	14	14
	15	15	15	35	35	35	35	35	35	35	35	36	36	36	36	36	36	36	36	36	36	36	36	36	36
	18	18	18	16	16	16	16	16	2	2	19	16	16	16	16	16	16	16	16	16	2	2	2	2	19
49	6	7	7	7	8	8	8	9	9	9	10	10	10	10	11	11	11	12	12	12	13	13	13	14	14
	15	15	15	36	36	36	36	36	36	36	36	36	36	36	37	37	37	37	37	37	37	37	37	37	37
	18	18	18	16	16	16	16	16	16	16	16	2	2	19	16	16	16	16	16	16	16	16	16	16	16
50	6	7	7	7	8	8	8	9	9	9	10	10	10	10	11	11	11	12	12	12	13	13	13	14	14
	15	15	15	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	38	38	38	38	38	38	38
	18	18	18	16	16	16	16	16	16	16	16	16	16	16	2	2	2	19	16	16	16	16	16	16	16

S TABLE BASE 3

t/m	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
0	999	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	999	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	5	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1	999	999	13	10	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	999	999	13	10	10	10	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	4	5	12	17	24	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
2		999	999	40	20	14	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
		999	999	40	40	18	18	16	13	13	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
		4	5	12	17	24	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
3			999	999	121	56	26	13	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
			999	999	121	121	32	32	24	24	20	19	17	16	16	16	16	16	16	16	16	16	16	16	16
			4	5	12	17	24	17	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
4				999	999	364	112	32	14	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
				999	999	364	364	56	56	34	34	30	30	24	22	20	19	19	19	19	19	19	19	19	19
				4	5	12	17	20	17	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
5					999	999	998	181	80	17	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
					999	999	998	998	98	98	50	50	39	39	34	34	28	25	24	22	22	22	22	22	22
					4	5	12	19	24	17	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
6						999	999	998	505	61	20	14	14	14	14	14	14	14	14	14	14	14	14	14	14
						999	999	998	998	171	171	73	73	52	52	44	44	37	37	32	29	27	27	26	26
						4	5	12	22	17	17	18	18	18	18	18	18	18	18	18	18	18	18	18	18
7							999	999	998	998	242	27	16	16	16	16	16	16	16	16	16	16	16	16	16
							999	999	998	998	297	297	106	106	68	68	55	55	49	49	41	39	34	32	30
							4	5	12	19	25	17	18	18	18	18	18	18	18	18	18	18	18	18	18
8								999	999	998	998	65	41	16	16	16	16	16	16	16	16	16	16	16	16
								999	999	998	998	515	515	153	153	89	89	68	68	59	59	49	49	44	42
								4	5	12	19	17	17	16	16	16	16	16	16	16	16	16	16	16	16
9									999	999	998	998	728	55	19	19	19	19	19	19	19	19	19	19	19
									999	999	998	998	892	892	221	221	118	118	85	85	70	70	64	64	54
									4	5	12	19	25	17	18	18	18	18	18	18	18	18	18	18	18
10										999	999	998	998	77	64	27	27	19	19	19	19	19	19	19	19
										999	999	998	998	998	998	318	318	156	156	107	107	85	85	74	74
										4	5	12	19	19	17	17	17	16	16	16	16	16	16	16	16
11											999	999	998	998	998	64	27	27	20	20	20	20	20	20	20
											999	999	998	998	998	998	459	459	205	205	132	132	102	102	87
											4	5	12	19	25	17	17	17	18	18	18	18	18	18	18
12												999	999	998	998	159	64	28	27	22	22	22	22	22	22
												999	999	998	998	998	998	662	662	269	269	165	165	123	123
												4	5	12	19	19	17	17	17	18	18	18	18	18	18
13													999	999	998	998	998	78	40	40	24	24	24	24	24
													999	999	998	998	998	998	955	955	354	354	205	205	147
													4	5	12	19	25	19	17	17	18	18	18	18	18
14														999	999	998	998	331	102	43	43	24	24	24	24
														999	999	998	998	998	998	998	998	466	466	255	255
														4	5	12	19	19	19	17	17	16	16	16	16
15															999	999	998	998	998	134	44	43	28	28	28
															999	999	998	998	998	998	998	998	614	614	318
															4	5	12	19	25	19	19	17	18	18	18
16																999	999	998	998	689	177	55	43	28	28
																999	999	998	998	998	998	998	998	807	807
																4	5	12	19	19	19	19	17	16	16
17																	999	999	998	998	998	233	68	43	30
																	999	999	998	998	998	998	998	998	998
																	4	5	12	19	25	19	19	17	17
18																		999	999	998	998	998	307	85	49
																		999	999	998	998	998	998	998	998
																		4	5	12	19	19	19	19	19
19																			999	999	998	998	998	403	106
																			999	999	998	998	998	998	998
																			4	5	12	19	19	19	19
20																				999	999	998	998	998	531
																				999	999	998	998	998	998
																				4	5	12	19	19	19
21																					999	999	998	998	998
																					999	999	998	998	998
																					4	5	12	19	19
22																						999	999	998	998
																						999	999	998	998
																						4	5	12	19
23																							999	999	998
																							999	999	998
																							4	5	12
24																								999	999
																								999	999
																								4	5
25																									999
																									999
																									4

S TABLE BASE 3

t/m	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
2	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
3	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
4	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
5	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
6	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
7	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
	30	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
8	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
	37	35	33	33	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
9	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
	53	47	45	40	38	36	36	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
10	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
	63	63	57	56	50	45	41	41	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
11	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
	87	79	79	74	74	72	72	70	70	44	44	43	43	43	42	42	42	42	42	42	42	42	42	42	42
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
12	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	102	102	91	91	84	84	80	80	77	77	76	76	75	75	75	75	75	45	45	45	45	45	45	45	45
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
13	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
	147	119	119	103	103	94	94	89	89	85	85	83	83	82	82	81	81	81	81	81	48	48	48	48	48
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
14	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
	176	176	139	139	118	118	106	106	98	98	93	93	90	90	88	88	87	87	87	87	87	87	87	52	52
	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
15	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
	318	212	212	162	162	135	135	119	119	109	109	103	103	98	98	96	96	94	94	93	93	92	92	92	92
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
16	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
	395	395	254	254	189	189	155	155	135	135	122	122	113	113	107	107	104	104	101	101	99	99	98	98	98
	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
17	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
	998	492	492	304	304	221	221	177	177	152	152	135	135	125	125	117	117	112	112	109	109	106	106	105	105
	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
18	32	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
	998	998	613	613	365	365	258	258	203	203	171	171	151	151	137	137	128	128	122	122	117	117	114	114	112
	17	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
19	58	32	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
	998	998	998	763	763	438	438	302	302	233	233	193	193	168	168	151	151	140	140	132	132	126	126	122	122
	19	17	17	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
20	132	70	35	32	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
	998	998	998	998	951	951	526	526	353	353	267	267	217	217	187	187	167	167	153	153	143	143	136	136	131
	19	19	19	17	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
21	699	164	84	40	32	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
	998	998	998	998	998	998	998	632	632	413	413	305	305	245	245	208	208	184	184	167	167	155	155	147	147
	19	19	19	19	17	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
22	998	920	204	101	47	33	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
	998	998	998	998	998	998	998	998	758	758	482	482	350	350	277	277	232	232	203	203	183	183	169	169	158
	19	19	19	19	19	19	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
23	998	998	998	254	121	55	38	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
	998	998	998	998	998	998	998	998	998	910	910	564	564	401	401	312	312	259	259	224	224	200	200	183	183
	19	19	19	19	19	19	19	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
24	998	998	998	998	317	146	64	44	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
	998	998	998	998	998	998	998	998	998	998	998	998	660	660	460	460	352	352	288	288	247	247	219	219	199
	12	19	19	19	19	19	19	19	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
25	999	998	998	998	998	395	175	75	50	30	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
	999	998	998	998	998	998	998	998	998	998	998	998	998	771	771	527	527	398	398	321	321	272	272	239	239
	5	12	19	19	19	19	19	19	19	19	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16

S TABLE BASE 3

t/m	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
26	999	999	998	998	998	998	492	210	88	58	34	28	28	28	28	28	28	28	28	28	28	28	28	28	28
	999	999	998	998	998	998	998	998	998	998	998	998	998	998	902	902	604	604	449	449	358	358	300	300	262
	4	5	12	19	19	19	19	19	19	19	19	16	16	16	16	16	16	16	16	16	16	16	16	16	16
27		999	999	998	998	998	998	612	252	103	66	38	30	28	28	28	28	28	28	28	28	28	28	28	28
		999	999	998	998	998	998	998	998	998	998	998	998	998	998	998	998	693	693	507	507	399	399	332	332
		4	5	12	19	19	19	19	19	19	19	19	19	16	16	16	16	16	16	16	16	16	16	16	16
28			999	999	998	998	998	998	763	303	120	76	43	33	28	28	28	28	28	28	28	28	28	28	28
			999	999	998	998	998	998	998	998	998	998	998	998	998	998	998	998	795	795	572	572	445	445	366
			4	5	12	19	19	19	19	19	19	19	19	19	16	16	16	16	16	16	16	16	16	16	16
29				999	999	998	998	998	998	950	364	141	87	49	37	28	28	28	28	28	28	28	28	28	28
				999	999	998	998	998	998	998	998	998	998	998	998	998	998	998	998	911	911	646	646	496	496
				4	5	12	19	19	19	19	19	19	19	19	19	16	16	16	16	16	16	16	16	16	16
30					999	999	998	998	998	998	998	437	165	100	55	41	28	28	28	28	28	28	28	28	28
					999	999	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	730	730	554
					4	5	12	19	19	19	19	19	19	19	19	19	16	16	16	16	16	16	16	16	16
31						999	999	998	998	998	998	998	525	193	115	62	46	30	28	28	28	28	28	28	28
						999	999	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	824	824	
						4	5	12	19	19	19	19	19	19	19	19	19	19	16	16	16	16	16	16	16
32							999	999	998	998	998	998	998	630	225	131	70	51	34	28	28	28	28	28	28
							999	999	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	931
							4	5	12	19	19	19	19	19	19	19	19	19	19	16	16	16	16	16	16
33								999	999	998	998	998	998	998	757	264	151	79	57	37	30	28	28	28	28
								999	999	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998
								4	5	12	19	19	19	19	19	19	19	19	19	19	19	16	16	16	16
34									999	999	998	998	998	998	998	909	308	173	90	64	41	33	28	28	28
									999	999	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998
									4	5	12	19	19	19	19	19	19	19	19	19	19	19	16	16	16
35										999	999	998	998	998	998	998	998	361	198	101	71	45	36	28	28
										999	999	998	998	998	998	998	998	998	998	998	998	998	998	998	998
										4	5	12	19	19	19	19	19	19	19	19	19	19	19	16	16
36											999	999	998	998	998	998	998	998	422	227	114	79	50	39	28
											999	999	998	998	998	998	998	998	998	998	998	998	998	998	998
											4	5	12	19	19	19	19	19	19	19	19	19	19	19	16
37												999	999	998	998	998	998	998	998	494	261	129	89	55	43
												999	999	998	998	998	998	998	998	998	998	998	998	998	998
												4	5	12	19	19	19	19	19	19	19	19	19	19	19
38													999	999	998	998	998	998	998	998	577	299	146	99	61
													999	999	998	998	998	998	998	998	998	998	998	998	998
													4	5	12	19	19	19	19	19	19	19	19	19	19
39														999	999	998	998	998	998	998	675	343	165	110	
														999	999	998	998	998	998	998	998	998	998	998	998
														4	5	12	19	19	19	19	19	19	19	19	19
40															999	999	998	998	998	998	998	998	790	394	186
															999	999	998	998	998	998	998	998	998	998	998
															4	5	12	19	19	19	19	19	19	19	19
41																999	999	998	998	998	998	998	998	924	452
																999	999	998	998	998	998	998	998	998	998
																4	5	12	19	19	19	19	19	19	19
42																	999	999	998	998	998	998	998	998	998
																	999	999	998	998	998	998	998	998	998
																	4	5	12	19	19	19	19	19	19
43																		999	999	998	998	998	998	998	998
																		999	999	998	998	998	998	998	998
																		4	5	12	19	19	19	19	19
44																			999	999	998	998	998	998	998
																			999	999	998	998	998	998	998
																			4	5	12	19	19	19	19
45																				999	999	998	998	998	998
																				999	999	998	998	998	998
																				4	5	12	19	19	19
46																					999	999	998	998	998
																					999	999	998	998	998
																					4	5	12	19	19
47																						999	999	998	998
																						999	999	998	998
																						4	5	12	19
48																							999	999	998
																							999	999	998
																							4	5	12
49																								999	999
																								999	999
																								4	5
50																									999
																									999
																									1

T TABLE BASE 5

m/s	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
2	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2	2	2	2	2	7	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
3	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2	2	2	2	2	8	9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2	2	2	2	2	8	9	18	18	18	2	2	2	2	2	2	2	2	2	2	2	2	2	2	19
5	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2
	0	0	0	0	0	0	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	2	2	2	2	2	8	9	18	18	18	18	18	16	16	16	16	16	16	16	16	16	16	16	16	16
6	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	16	16	16	16	16	16	16	16	16
7	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	4	4	4	4	4	4	4
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	16	16	16	16	16	16	16
8	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	5	5	5	5	5
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	16	16	16	16	16
9	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	5	5	5	5	5
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	2	2	2	2	2
10	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	6	6	6	6
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	16	16	16	16
11	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	6	6	7	7
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	2	19	16	16
12	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	7	7	7	7
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	16	16	2	2
13	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	8	8	8
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	16	16	16
14	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	9
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	16
15	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	3	3
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	9
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	2
16	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	3	3
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	10
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
17	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	3
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	10
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
18	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	3
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	10
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
19	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	3
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	10
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
20	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	3
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	10
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
21	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	3
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	10
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
22	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	3
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	10
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
23	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	10
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
24	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	10
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
25	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	10
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18

T TABLE BASE 5

m/s	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
3	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	2	2	2	2	2	12	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
4	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	22	16	16	16	16	16	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
8	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
9	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	2	2	2	19	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
10	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	7
	16	16	16	16	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	19	16
11	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	2
12	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4
	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	2	2	2	2	2	2	2	2	2	19	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
13	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4
	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	16	16	16	16	16	16	16	16	16	16	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
14	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4
	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
15	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4
	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	2	2	19	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
16	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4
	10	10	10	10	10	10	10	10	10	10	10	10	10	11	11	11	11	11	11	11	11	11	11	11	11
	18	16	16	2	2	2	2	2	2	2	2	2	19	16	16	16	16	16	16	16	16	16	16	16	16
17	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4
	10	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
	18	16	16	16	16	16	16	16	16	16	16	16	16	2	2	2	2	2	2	2	2	2	2	2	2
18	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	10	11	11	11	11	11	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	18	2	2	2	2	19	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
19	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	10	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	13	13	13	13	13	13	13	13	13
	18	18	18	18	18	16	2	2	2	2	2	2	2	2	2	19	16	16	16	16	16	16	16	16	16
20	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5
	10	12	12	12	12	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
	18	18	18	18	18	18	16	16	16	16	16	16	16	16	16	16	2	2	2	2	2	2	2	2	2
21	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5
	10	12	12	12	12	13	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
	18	18	18	18	18	18	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
22	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5
	10	12	12	12	12	13	14	14	14	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
	18	18	18	18	18	18	2	2	19	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
23	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5
	10	12	12	12	12	13	15	15	15	15	15	15	15	15	15	15	15	16	16	16	16	16	16	16	16
	18	18	18	18	18	18	16	16	16	2	2	2	2	2	2	2	19	16	16	16	16	16	16	16	16
24	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	10	12	12	12	12	13	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
	18	18	18	18	18	18	16	16	16	16	16	16	16	16	16	16	16	2	2	2	2	2	2	2	2
25	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	10	12	12	12	12	13	16	16	16	16	16	17	17	17	17	17	17	17	17	17	17	17	17	17	17
	18	18	18	18	18	18	2	2	2	2	19	16	16	16	16	16	16	16	16	16	16	16	16	16	16

T TABLE BASE 5

m/s	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
26	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	10
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
27	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	10
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
28	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	10
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
29	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	10
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
30	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	10
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
31	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	10
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
32	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	10
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
33	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	10
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
34	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	10
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
35	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	10
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
36	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	10
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
37	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	10
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
38	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	10
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
39	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	10
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
40	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	10
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
41	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	10
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
42	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	10
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
43	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	10
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
44	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	10
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
45	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	10
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
46	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	10
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
47	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	10
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
48	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	10
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
49	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	10
	2	2	2	2	2	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
50	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4
	0	0	0	0	0	0	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	8	9	9	10
	3	3	3	3	3	8	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18

T TABLE BASE 5

m/s	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
26	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	10	12	12	12	12	13	17	17	17	17	17	17	17	17	17	17	17	17	17	18	18	18	18	18	18
	18	18	18	18	18	18	16	16	16	16	16	2	2	2	2	2	2	2	19	16	16	16	16	16	16
27	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6
	10	12	12	12	12	13	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
	18	18	18	18	18	18	16	16	16	16	16	16	16	16	16	16	16	16	16	2	2	2	2	2	2
28	4	4	4	4	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6
	10	12	12	12	12	13	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
	18	18	18	18	18	18	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
29	4	4	4	4	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	10	12	12	12	12	13	19	19	19	19	19	19	19	20	20	20	20	20	20	20	20	20	20	20	20
	18	18	18	18	18	18	2	2	2	2	2	2	19	16	16	16	16	16	16	16	16	16	16	16	16
30	4	4	4	4	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	10	12	12	12	12	13	20	20	20	20	20	20	20	20	20	20	20	20	20	20	21	21	21	21	21
	18	18	18	18	18	18	16	16	16	16	16	16	16	2	2	2	2	2	2	19	16	16	16	16	16
31	4	4	4	4	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	10	12	12	12	12	13	20	20	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
	18	18	18	18	18	18	2	2	19	16	16	16	16	16	16	16	16	16	16	16	2	2	2	2	2
32	4	4	4	4	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	10	12	12	12	12	13	21	21	21	21	21	21	21	21	22	22	22	22	22	22	22	22	22	22	22
	18	18	18	18	18	18	16	16	16	2	2	2	2	19	16	16	16	16	16	16	16	16	16	16	16
33	4	4	4	4	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	10	12	12	12	12	13	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	23	23	23	23
	18	18	18	18	18	18	16	16	16	16	16	16	16	16	2	2	2	2	2	2	19	16	16	16	16
34	4	4	4	4	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	10	12	12	12	12	13	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
	18	18	18	18	18	18	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	2	2	2	2
35	4	4	4	4	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	10	12	12	12	12	13	23	23	23	23	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
	18	18	18	18	18	18	2	2	2	19	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
36	4	4	4	4	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	10	12	12	12	12	13	24	24	24	24	24	24	24	24	24	25	25	25	25	25	25	25	25	25	25
	18	18	18	18	18	18	16	16	16	16	2	2	2	2	19	16	16	16	16	16	16	16	16	16	16
37	4	4	4	4	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	10	12	12	12	12	13	24	25	25	25	25	25	25	25	25	25	25	25	25	25	25	26	26	26	26
	18	18	18	18	18	18	19	16	16	16	16	16	16	16	16	2	2	2	2	2	19	16	16	16	16
38	4	4	4	4	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	10	12	12	12	12	13	25	25	25	25	25	26	26	26	26	26	26	26	26	26	26	26	26	26	26
	18	18	18	18	18	18	16	2	2	2	19	16	16	16	16	16	16	16	16	16	16	2	2	2	2
39	4	4	4	4	5	5	5	5	5	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7
	10	12	12	12	12	13	26	26	26	26	26	26	26	26	26	26	26	27	27	27	27	27	27	27	27
	18	18	18	18	18	18	16	16	16	16	16	2	2	2	2	2	19	16	16	16	16	16	16	16	16
40	4	4	4	4	5	5	5	5	5	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7
	10	12	12	12	12	13	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	28	28	28
	18	18	18	18	18	18	16	16	16	16	16	16	16	16	16	16	16	2	2	2	2	19	16	16	16
41	4	4	4	4	5	5	5	5	5	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7
	10	12	12	12	12	13	27	27	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
	18	18	18	18	18	18	2	19	16	16	16	16	16	16	16	16	16	16	16	16	16	16	2	2	2
42	4	4	4	4	5	5	5	5	5	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7
	10	12	12	12	12	13	28	28	28	28	28	28	29	29	29	29	29	29	29	29	29	29	29	29	29
	18	18	18	18	18	18	16	16	2	2	2	19	16	16	16	16	16	16	16	16	16	16	16	16	16
43	4	4	4	4	5	5	5	5	5	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7
	10	12	12	12	12	13	29	29	29	29	29	29	29	29	29	29	29	30	30	30	30	30	30	30	30
	18	18	18	18	18	18	16	16	16	16	16	16	2	2	2	2	19	16	16	16	16	16	16	16	16
44	4	4	4	4	5	5	5	5	5	6	6	6	6	6	6	6	7	7	7	7	7	8	8	8	8
	10	12	12	12	12	13	29	29	29	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	31
	18	18	18	18	18	18	2	2	19	16	16	16	16	16	16	16	16	2	2	2	2	19	16	16	16
45	4	4	4	4	5	5	5	5	5	6	6	6	6	6	6	6	7	7	7	7	7	8	8	8	8
	10	12	12	12	12	13	30	30	30	30	30	30	30	30	31	31	31	31	31	31	31	31	31	31	31
	18	18	18	18	18	18	16	16	2	2	2	2	19	16	16	16	16	16	16	16	16	16	2	2	2
46	4	4	4	4	5	5	5	5	5	6	6	6	6	6	6	6	7	7	7	7	7	8	8	8	8
	10	12	12	12	12	13	31	31	31	31	31	31	31	31	31	31	31	32	32	32	32	32	32	32	32
	18	18	18	18	18	18	16	16	16	16	16	16	16	16	2	2	2	19	16	16	16	16	16	16	16
47	4	4	4	4	5	5	5	5	5	6	6	6	6	6	6	6	7	7	7	7	7	8	8	8	8
	10	12	12	12	12	13	31	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	33	33
	18	18	18	18	18	18	19	16	16	16	16	16	16	16	16	16	16	16	2	2	2	2	19	16	16
48	4	4	4	4	5	5	5	5	5	6	6	6	6	6	6	6	7	7	7	7	7	8	8	8	8
	10	12	12	12	12	13	32	32	32	32	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
	18	18	18	18	18	18	16	2	2	19	16	16	16	16	16	16	16	16	16	16	16	16	16	2	2
49	4	4	4	4	5	5	5	5	5	6	6	6	6	6	6	6	7	7	7	7	7	8	8	8	8
	10	12	12	12	12	13	33	33	33	33	33	33	33	33	34	34	34	34	34	34	34	34	34	34	34
	18	18	18	18	18	18	16	16	16	16	2	2	2	19	16	16	16	16	16	16	16	16	16	16	16
50	4	4	4	4	5	5	5	5	5	6	6	6	6	6	6	6	7	7	7	7	7	8	8	8	8
	10	12	12	12	12	13	33	33	34	34	34	34	34	34	34	34	34	34	35	35	35	35	35	35	35
	18	18	18	18	18	18	2	19	16	16	16	16	16	16	2	2	2	19	16	16	16	16	16	16	16

S TABLE BASE 5

t/m	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
0	999	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	999	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	5	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1	999	999	31	26	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	999	999	31	31	18	18	18	18	18	13	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	4	5	12	22	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
2		999	999	156	61	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
		999	999	156	156	43	43	33	33	31	31	31	30	28	21	19	18	18	18	18	18	18	18	18	18
		4	5	12	22	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
3			999	999	781	156	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
			999	999	781	781	97	97	56	56	46	46	43	43	43	41	39	36	31	26	25	25	24	24	24
			4	5	12	22	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
4				999	999	998	651	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
				999	999	998	998	221	221	96	96	69	69	59	59	56	56	54	52	49	46	44	40	33	29
				4	5	12	22	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
5					999	999	998	998	29	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
					999	999	998	998	494	494	166	166	104	104	82	82	72	72	68	68	65	62	60	57	55
					4	5	12	19	19	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
6						999	999	998	998	49	23	21	21	21	21	21	21	21	21	21	21	21	21	21	21
						999	999	998	998	998	998	284	284	155	155	114	114	95	95	86	86	81	81	79	79
						4	5	12	19	19	19	18	18	18	18	18	18	18	18	18	18	18	18	18	18
7							999	999	998	998	83	35	21	21	21	21	21	21	21	21	21	21	21	21	21
							999	999	998	998	998	998	486	486	232	232	156	156	124	124	108	108	99	99	94
							4	5	12	19	19	19	16	16	16	16	16	16	16	16	16	16	16	16	16
8								999	999	998	998	142	52	22	22	22	22	22	22	22	22	22	22	22	22
								999	999	998	998	998	998	830	830	347	347	215	215	162	162	135	135	120	120
								4	5	12	19	19	19	18	18	18	18	18	18	18	18	18	18	18	18
9									999	999	998	998	243	77	28	24	24	24	24	24	24	24	24	24	24
									999	999	998	998	998	998	998	998	518	518	296	296	211	211	170	170	147
									4	5	12	19	19	19	19	18	18	18	18	18	18	18	18	18	18
10										999	999	998	998	415	116	38	26	26	26	26	26	26	26	26	26
										999	999	998	998	998	998	998	998	774	774	408	408	275	275	213	213
										4	5	12	19	19	19	19	18	18	18	18	18	18	18	18	18
11											999	999	998	998	710	173	52	31	26	26	26	26	26	26	26
											999	999	998	998	998	998	998	998	998	998	563	563	359	359	267
											4	5	12	19	19	19	19	19	16	16	16	16	16	16	16
12												999	999	998	998	998	259	72	41	30	30	30	30	30	30
												999	999	998	998	998	998	998	998	998	998	776	776	470	470
												4	5	12	19	19	19	19	19	18	18	18	18	18	18
13													999	999	998	998	998	387	99	54	31	31	31	31	31
													999	999	998	998	998	998	998	998	998	998	998	998	613
													4	5	12	19	19	19	19	19	18	18	18	18	18
14														999	999	998	998	998	578	136	70	34	31	31	31
														999	999	998	998	998	998	998	998	998	998	998	998
														4	5	12	19	19	19	19	19	19	16	16	16
15															999	999	998	998	998	865	188	91	42	31	31
															999	999	998	998	998	998	998	998	998	998	998
															4	5	12	19	19	19	19	19	19	16	16
16																999	999	998	998	998	998	259	119	53	36
																999	999	998	998	998	998	998	998	998	998
																4	5	12	19	19	19	19	19	19	19
17																	999	999	998	998	998	998	357	156	67
																	999	999	998	998	998	998	998	998	998
																	4	5	12	19	19	19	19	19	19
18																		999	999	998	998	998	998	492	204
																		999	999	998	998	998	998	998	998
																		4	5	12	19	19	19	19	19
19																			999	999	998	998	998	998	679
																			999	999	998	998	998	998	998
																			4	5	12	19	19	19	19
20																				999	999	998	998	998	998
																				999	999	998	998	998	998
																				4	5	12	19	19	19
21																					999	999	998	998	998
																					999	999	998	998	998
																					4	5	12	19	19
22																						999	999	998	998
																						999	999	998	998
																						4	5	12	19
23																							999	999	998
																							999	999	998
																							4	5	12
24																								999	999
																								999	999
																								4	5
25																									999
																									999
																									4

S TABLE BASE 5

t/m	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
0	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
2	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
3	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
4	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
5	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
	52	47	39	36	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
6	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
	78	78	78	78	78	78	78	78	78	78	78	78	78	41	41	41	41	41	41	41	41	41	41	41	41
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
7	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
	94	91	91	90	90	89	89	89	89	89	89	89	89	89	89	89	89	89	46	46	46	46	46	46	46
	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
8	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	112	112	106	106	103	103	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	51	51
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
9	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
	147	133	133	124	124	119	119	115	115	113	113	112	112	112	112	112	112	112	112	112	112	112	112	112	112
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
10	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
	179	179	158	158	145	145	137	137	131	131	127	127	125	125	124	124	123	123	123	123	123	123	123	123	123
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
11	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
	267	218	218	189	189	170	170	158	158	149	149	144	144	140	140	137	137	135	135	134	134	134	134	134	134
	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
12	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
	336	336	266	266	225	225	199	199	182	182	170	170	162	162	156	156	152	152	149	149	147	147	146	146	145
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
13	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
	613	422	422	324	324	268	268	233	233	210	210	194	194	182	182	174	174	168	168	164	164	161	161	159	159
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
14	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
	802	802	530	530	396	396	320	320	273	273	242	242	221	221	206	206	195	195	187	187	181	181	176	176	173
	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
15	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
	998	998	998	667	667	484	484	382	382	320	320	280	280	252	252	232	232	218	218	207	207	199	199	193	193
	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
16	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
	998	998	998	998	839	839	591	591	456	456	375	375	323	323	287	287	262	262	244	244	230	230	219	219	211
	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
17	44	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
	998	998	998	998	998	998	998	722	722	545	545	440	440	373	373	328	328	296	296	273	273	255	255	242	242
	19	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
18	84	54	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
	998	998	998	998	998	998	998	998	882	882	651	651	517	517	431	431	374	374	334	334	305	305	283	283	267
	19	19	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
19	267	105	66	38	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
	998	998	998	998	998	998	998	998	998	998	998	778	778	606	606	499	499	427	427	378	378	341	341	315	315
	19	19	19	19	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
20	936	349	132	81	45	34	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
	998	998	998	998	998	998	998	998	998	998	998	998	930	930	711	711	577	577	488	488	427	427	382	382	350
	19	19	19	19	19	19	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
21	998	998	456	167	99	53	39	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	835	835	667	667	557	557	482	482	428	428
	19	19	19	19	19	19	19	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
22	998	998	998	596	210	121	64	46	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	980	980	771	771	637	637	545	545	480
	19	19	19	19	19	19	19	19	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
23	998	998	998	998	780	264	147	76	54	35	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	892	892	727	727	616	616	
	19	19	19	19	19	19	19	19	19	19	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
24	998	998	998	998	998	998	332	180	91	64	40	32	31	31	31	31	31	31	31	31	31	31	31	31	31
	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	831	831	697	
	12	19	19	19	19	19	19	19	19	19	19	19	16	16	16	16	16	16	16	16	16	16	16	16	16
25	999	998	998	998	998	998	998	417	220	109	75	46	36	31	31	31	31	31	31	31	31	31	31	31	31
	999	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	950	950	
	5	12	19	19	19	19	19	19	19	19	19	19	19	16	16	16	16	16	16	16	16	16	16	16	16

S TABLE BASE 5

t/m	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
26	999	999	998	998	998	998	998	998	525	269	130	88	54	42	31	31	31	31	31	31	31	31	31	31	31
	999	999	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998
	4	5	12	19	19	19	19	19	19	19	19	19	19	19	16	16	16	16	16	16	16	16	16	16	16
27		999	999	998	998	998	998	998	998	661	329	155	103	62	47	33	31	31	31	31	31	31	31	31	31
		999	999	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998
		4	5	12	19	19	19	19	19	19	19	19	19	19	19	19	16	16	16	16	16	16	16	16	16
28			999	999	998	998	998	998	998	998	831	402	186	121	72	54	37	31	31	31	31	31	31	31	31
			999	999	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998
			4	5	12	19	19	19	19	19	19	19	19	19	19	19	19	16	16	16	16	16	16	16	16
29				999	999	998	998	998	998	998	998	998	492	222	142	83	62	42	34	31	31	31	31	31	31
				999	999	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998
				4	5	12	19	19	19	19	19	19	19	19	19	19	19	19	19	16	16	16	16	16	16
30					999	999	998	998	998	998	998	998	998	602	265	167	96	71	47	39	31	31	31	31	31
					999	999	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998
					4	5	12	19	19	19	19	19	19	19	19	19	19	19	19	19	16	16	16	16	16
31						999	999	998	998	998	998	998	998	998	736	317	196	111	81	54	43	32	31	31	31
						999	999	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998
						4	5	12	19	19	19	19	19	19	19	19	19	19	19	19	19	19	16	16	16
32							999	999	998	998	998	998	998	998	998	899	379	230	128	92	61	48	35	31	31
							999	999	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998
							4	5	12	19	19	19	19	19	19	19	19	19	19	19	19	19	19	16	16
33								999	999	998	998	998	998	998	998	998	998	454	270	148	106	69	54	39	33
								999	999	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998
								4	5	12	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
34									999	999	998	998	998	998	998	998	998	998	542	317	172	121	78	61	43
									999	999	998	998	998	998	998	998	998	998	998	998	998	998	998	998	998
									4	5	12	19	19	19	19	19	19	19	19	19	19	19	19	19	19
35										999	999	998	998	998	998	998	998	998	998	648	372	199	138	88	68
										999	999	998	998	998	998	998	998	998	998	998	998	998	998	998	998
										4	5	12	19	19	19	19	19	19	19	19	19	19	19	19	19
36											999	999	998	998	998	998	998	998	998	998	775	437	230	158	99
											999	999	998	998	998	998	998	998	998	998	998	998	998	998	998
											4	5	12	19	19	19	19	19	19	19	19	19	19	19	19
37												999	999	998	998	998	998	998	998	998	998	927	513	266	180
												999	999	998	998	998	998	998	998	998	998	998	998	998	998
												4	5	12	19	19	19	19	19	19	19	19	19	19	19
38													999	999	998	998	998	998	998	998	998	998	998	603	308
													999	999	998	998	998	998	998	998	998	998	998	998	998
													4	5	12	19	19	19	19	19	19	19	19	19	19
39														999	999	998	998	998	998	998	998	998	998	998	708
														999	999	998	998	998	998	998	998	998	998	998	998
														4	5	12	19	19	19	19	19	19	19	19	19
40															999	999	998	998	998	998	998	998	998	998	998
															999	999	998	998	998	998	998	998	998	998	998
															4	5	12	19	19	19	19	19	19	19	19
41																999	999	998	998	998	998	998	998	998	998
																999	999	998	998	998	998	998	998	998	998
																4	5	12	19	19	19	19	19	19	19
42																	999	999	998	998	998	998	998	998	998
																	999	999	998	998	998	998	998	998	998
																	4	5	12	19	19	19	19	19	19
43																		999	999	998	998	998	998	998	998
																		999	999	998	998	998	998	998	998
																		4	5	12	19	19	19	19	19
44																			999	999	998	998	998	998	998
																			999	999	998	998	998	998	998
																			4	5	12	19	19	19	19
45																				999	999	998	998	998	998
																				999	999	998	998	998	998
																				4	5	12	19	19	19
46																					999	999	998	998	998
																					999	999	998	998	998
																					4	5	12	19	19
47																						999	999	998	998
																						999	999	998	998
																						4	5	12	19
48																							999	999	998
																							999	999	998
																							4	5	12
49																								999	999
																								999	999
																								4	5
50																									999
																									999
																									1

Acknowledgment. *We would like to sincerely thank Arijit Mahalanabis for providing his programs and files from the original tables of net parameters as given in [35]. His fundamental work is indeed appreciated.*

REFERENCES

[1] M.J. Adams and B.L. Shader, *A construction for (t, m, s)-nets in base q*, SIAM J. Discrete Math., to appear.

[2] J. Bierbrauer, *Bounds on orthogonal arrays and resilient functions*, J. Combinatorial Designs, 3 (1995), pp. 179-183.

[3] J. Bierbrauer, K. Gopalakrishnan, and D.R. Stinson, *Orthogonal arrays, resilient functions, error-correcting codes, and linear programming bounds*, SIAM J. Discrete Math., 9 (1996), pp. 424-452.

[4] R.E. Bixby, et al, Using the CPLEX Callable Library, CPLEX Optimization, Inc., Incline Village, NV, 1991.

[5] P. Bratley, B.L. Fox, and H. Niederreiter, *Algorithm 738: Programs to generate Niederreiter's low-discrepancy sequences*, ACM Trans. Math. Software, 20 (1994), pp. 494-495.

[6] A.E. Brouwer, Data base of bounds for the minimum distance for binary, ternary, and quaternary codes, URL http://www.win.tue.nl/win/math/dw/voorlincod.html.

[7] B.W. Char, K. Geddes, G. Gonnet, B. Leong, M. Monagan, and S. Watt, Maple V Library Reference Manual, Springer, New York, 1991.

[8] A.T. Clayman and G.L. Mullen, *Improved (t, m, s)-net parameters from the Gilbert-Varshamov bound*, Appl. Alg. Eng., Comm. Computing, to appear.

[9] P. Delsarte, *Bounds for unrestricted codes, by linear programming*, Philips Research Reports, 27 (1972), pp. 272-289.

[10] Y. Edel, *Some good (t, m, s)-nets*, preprint.

[11] Y. Edel and J. Bierbrauer, *Construction of digital nets from BCH-codes*, In: Monte Carlo and Quasi-Monte Carlo Methods '96, (H. Niederreiter et al., Eds.), Lect. Notes in Statist., Springer, New York, to appear.

[12] K. Entacher, *Quasi-Monte Carlo methods for numerical integration of multivariate Haar series*, preprint.

[13] H. Faure and H. Chaix, *Minoration de discrépance en dimension deux*, Acta Arith., 76 (1996), pp. 149-164.

[14] R. Fourer, D.M. Gay, and B.W. Kernighan, AMPL: A Modeling Language for Mathematical Programming, Scientific Press, San Francisco, 1993.

[15] A.S. Hedayat, N.J.A. Sloane, and J. Stufken, Orthogonal Arrays - Theory and Practice, book in preparation.

[16] F.J. Hickernell, *The mean square discrepancy of randomized nets*, ACM Trans. Modeling and Computer Simulation, 6(1996), pp. 274-296.

[17] G. Larcher, *On the distribution of an analog to classical Kronecker-sequences*, J. Number Theory, 52 (1995), pp. 198-215.

[18] G. Larcher, *On the distribution of digital sequences*, In: Monte Carlo and Quasi-Monte Carlo Methods '96, (H. Niederreiter et al., Eds.), Lect. Notes in Statist., Springer, New York, to appear.

[19] G. Larcher, *A bound for the discrepancy of digital nets and its application to the analysis of certain pseudo-random number generators*, preprint.

[20] G. Larcher, A. Lauss, H. Niederreiter, and W.C. Schmid, *Optimal polynomials for (t, m, s)-nets and numerical integration of multivariate Walsh series*, SIAM J. Numer. Analysis, 33 (1996), pp. 2239-2253.

[21] G. Larcher and H. Niederreiter, *Generalized (t, s)-sequences, Kronecker-type sequences, and diophantine approximations of formal Laurent series*, Trans. Amer. Math. Soc., 347 (1995), pp. 2051-2073.

[22] G. Larcher, H. Niederreiter, and W.C. Schmid, *Digital nets and sequences constructed over finite rings and their application to quasi-Monte Carlo integration*, Monatsh. Math., 121 (1996), pp. 231-253.

[23] G. Larcher and W.C. Schmid, *On the numerical integration of high-dimensional Walsh-series by quasi-Monte Carlo methods*, Math. Comput. Simulation, 38 (1995), pp. 127-134.

[24] G. Larcher, W.C. Schmid, and R. Wolf, *Quasi-Monte Carlo methods for the numerical integration of multivariate Walsh series*, Math. Comput. Modelling, 23 (1996), no. 8/9, pp. 55-67.

[25] G. Larcher and R. Wolf, *Nets constructed over finite fields and the numerical integration of multivariate Walsh series*, Finite Fields Appl., 2 (1996), pp. 304-320.

[26] K.M. Lawrence, Combinatorial Bounds and Constructions in the Theory of Uniform Point Distributions in Unit Cubes, Connections with Orthogonal Arrays and a Poset Generalization of a Related Problem in Coding Theory, Ph.D. Dissertation, University of Wisconsin, 1995.

[27] K.M. Lawrence, *A combinatorial characterization of (t, m, s)-nets in base b*, J. Combinatorial Designs, 4 (1996), pp. 275-293.

[28] K.M. Lawrence, *Construction of (t, m, s)-nets and orthogonal arrays from binary codes*, preprint.

[29] K.M. Lawrence, *A new necessary condition for the existence of (t, m, s)-nets in base b*, preprint.

[30] K.M. Lawrence, *The orthogonal array bound for (t, m, s)-nets is not always attained*, preprint.

[31] K.M. Lawrence, A. Mahalanabis, G.L. Mullen, and W.C. Schmid, Construction of digital (t, m, s)-nets from linear codes, In: Finite Fields and Applications, (S.D. Cohen and H. Niederreiter, Eds.), Lect. Note Series of the London Math. Soc., Vol. 233, Camb. Univ. Press, Cambridge, 1996, pp. 189-208.

[32] K.M. Lawrence and G.L. Mullen, *Some combinatorial equivalents of (t, m, s)-nets*, preprint.

[33] C. Lécot, *Error bounds for quasi-Monte Carlo integration with nets*, Math. Comp., 65 (1996), pp. 179-187.

[34] G.L. Mullen, *Combinatorial methods in the construction of point sets with uniformity properties*, Math. Comput. Modelling, 23 (1996), no. 8/9, pp. 1-8.

[35] G.L. Mullen, A. Mahalanabis, and H. Niederreiter, Tables of (t, m, s)-net and (t, s)-sequence parameters, In: Monte Carlo and Quasi-Monte Carlo Methods in Scientific Computing, (H. Niederreiter and P.J.-S. Shiue, Eds.), Lect. Notes in Statist., Vol. 106, Springer, New York, 1995, pp. 58-86.

[36] G.L. Mullen and W.C. Schmid, *An equivalence between (t, m, s)-nets and strongly orthogonal hypercubes*, J. Combinatorial Theory, Ser. A, 76 (1996), pp. 164-174.

[37] G.L. Mullen and G. Whittle, *Point sets with uniformity properties and orthogonal hypercubes*, Monatsh. Math., 113 (1992), pp. 265-273.

[38] H. Niederreiter, *Point sets and sequences with small discrepancy*, Monatsh. Math., 104 (1987), pp. 273-337.

[39] H. Niederreiter, Random Number Generation and Quasi-Monte Carlo Methods, CBMS-NSF Regional Conference Series in Applied Math., Vol. 63, SIAM, Philadelphia, 1992.

[40] H. Niederreiter, *Pseudorandom numbers and quasirandom points*, Z. Angew. Math. Mech., 73 (1993), pp. T648-T652.

[41] H. Niederreiter, *Factorization of polynomials and some linear-algebra problems over finite fields*, Linear Algebra Appl., 192 (1993), pp. 301-328.

[42] H. Niederreiter, *Low-discrepancy sequences and nonarchimedean diophantine approximations*, Studia Sci. Math. Hungarica, 30 (1995), pp. 111-122.

[43] H. Niederreiter, *The multiple-recursive matrix method for pseudorandom number generation*, Finite Fields Appl., 1 (1995), pp. 3-30.

[44] H. Niederreiter and C. Xing, *Low-discrepancy sequences obtained from algebraic function fields over finite fields*, Acta Arith., 72 (1995), pp. 281-298.

[45] H. Niederreiter and C. Xing, *Low-discrepancy sequences and global function fields with many rational places*, Finite Fields Appl., 2 (1996), pp. 241-273.

[46] H. Niederreiter and C. Xing, Quasirandom points and global function fields, In: Finite Fields and Applications, (S.D. Cohen and H. Niederreiter, Eds.), Lect. Note Series of the London Math. Soc., Vol. 233, Camb. Univ. Press, Cambridge, 1996, pp. 269-296.

[47] H. Niederreiter and C. Xing, *The algebraic-geometry approach to low-discrepancy sequences*, In: Monte Carlo and Quasi-Monte Carlo Methods '96, (H. Niederreiter et al., Eds.), Lect. Notes in Statist., Springer, New York, to appear.

[48] A.B. Owen, *Monte Carlo variance of scrambled equidistribution quadrature*, SIAM J. Numer. Analysis, to appear.

[49] C.R. Rao, *Factorial experiments derivable from combinatorial arrangements of arrays*, J. Royal Statist. Soc. Suppl., 9 (1947), pp. 128-139.

[50] G. Rote and R.F. Tichy, *Quasi-Monte Carlo methods and the dispersion of point sequences*, Math. Comput. Modelling, 23 (1996), no. 8/9, pp. 9-23.

[51] W.C. Schmid, (T,M,S)-Nets: Digital Construction and Combinatorial Aspects, Ph.D. Thesis, Universität Salzburg, 1995.

[52] W.C. Schmid, *Shift-nets: a new class of binary digital (t,m,s)-nets*, In: Monte Carlo and Quasi-Monte Carlo Methods '96, (H. Niederreiter et al., Eds.), Lect. Notes in Statist., Springer, New York, to appear.

[53] W.C. Schmid and R. Wolf, *Bounds for digital nets and sequences*, Acta Arith., to appear.

[54] S. Tezuka, Uniform Random Numbers: Theory and Practice, Kluwer Academic Publ., Norwell, MA, 1995.

[55] S. Tezuka and T. Tokuyama, *A note on polynomial arithmetic analogue of Halton sequences*, ACM Trans. Modeling and Computer Simulation, 4 (1994), pp. 279-284.

[56] Y.-J. Xiao, *Estimations de volume pour les suites de type $(0,s)$*, C.R. Acad. Sci. Paris Sér. I Math., 319 (1994), pp. 101-104.

[57] Y.-J. Xiao, *Some properties of $(0,m,2)$-nets in base $b \geq 2$*, preprint.

[58] Y.-J. Xiao and H. Faure, *Volume-discrepancy estimates in one and two dimensions*, Math. Comput. Modelling, 23 (1996), no. 8/9, pp. 25-36.

[59] C. Xing and H. Niederreiter, *A construction of low-discrepancy sequences using global function fields*, Acta Arith., 73 (1995), pp. 87-102.

Department of Mathematics
The Pennsylvania State University
University Park, PA 16802
U. S. A.
E-mail: clayman@math.psu.edu

Bear, Stearns and Company, Inc.
Global Risk Management
245 Park Avenue
New York, NY 10167
U. S. A.
E-mail: mlawrence@bear.com

Department of Mathematics
The Pennsylvania State University
University Park, PA 16802
U. S. A.
E-mail: mullen@math.psu.edu

Institute of Information Processing
Austrian Academy of Sciences
Sonnenfelsgasse 19
A-1010 Vienna
Austria
E-mail: niederreiter@oeaw.ac.at

AT&T Research Labs
Room 2C-376
600 Mountain Avenue
Murray Hill, NJ 07974
U. S. A.
E-mail: njas@research.att.com