

## Supplementary materials for

**A new structural type in the hexagonal perovskite family. Structure determination  
of the commensurately modulated misfit compound  $\text{Sr}_{9/8}\text{TiS}_3$ .**

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**Table I - Atomic positional and DWF modulation coefficients<sup>†</sup> for Sr<sub>1.125</sub>TiS<sub>3</sub> (commensurable (3+1)D option)**

Ti :

$$\begin{array}{lll}
 U_{\underline{2}}^{\text{Ti}} = -0.0776(3) & U_{\underline{4}}^{\text{Ti}} = -0.0147(3) & U_{\underline{6}}^{\text{Ti}} = 0.01004(4) \\
 U_{\underline{2}^2}^{\text{Ti}} = -0.0023(2) & U_{\underline{2}^3}^{\text{Ti}} = -0.0032(4) & \\
 U_{\underline{4}^1}^{\text{Ti}} = 0.0002(3) & U_{\underline{4}^3}^{\text{Ti}} = 0.0006(5) & \\
 U_{\underline{6}^1}^{\text{Ti}} = -0.0019(3) & U_{\underline{6}^3}^{\text{Ti}} = -0.0006(5) & \\
 U_{\underline{8}^1}^{\text{Ti}} = -0.0010(2) & U_{\underline{8}^3}^{\text{Ti}} = -0.0003(4) & 
 \end{array}$$

S1 :

$$\begin{array}{lll}
 U_{\underline{2}}^{\text{S1}} = -0.00451(3) & U_{\underline{4}}^{\text{S1}} = -0.00341(6) & U_{\underline{8}}^{\text{S1}} = -0.00124(4) \\
 U_{\underline{4}}^{\text{S1}} = 0.00050(7) & U_{\underline{8}}^{\text{S1}} = -0.00962(5) & \\
 U_{\underline{2}}^{\text{S1}} = 0.0522(2) & U_{\underline{4}}^{\text{S1}} = -0.0123(3) & U_{\underline{8}}^{\text{S1}} = -0.0042(4) \\
 U_{\underline{1}^1}^{\text{S1}} = 0.0003(2) & U_{\underline{2}^1}^{\text{S1}} = 0.0002(2) & U_{\underline{3}^1}^{\text{S1}} = 0.0003(3) \\
 U_{\underline{4}^1}^{\text{S1}} = -0.0005(2) & U_{\underline{5}^1}^{\text{S1}} = 0.0003(3) & \\
 U_{\underline{2}^3}^{\text{S1}} = 0.0014(3) & U_{\underline{4}^3}^{\text{S1}} = 0.0003(3) & \\
 U_{\underline{2}^2}^{\text{S1}} = 0.000(2) & U_{\underline{4}^2}^{\text{S1}} = 0.0003(3) & \\
 U_{\underline{1}^3}^{\text{S1}} = 0.0009(2) & U_{\underline{2}^3}^{\text{S1}} = 0.0000(1) & U_{\underline{3}^3}^{\text{S1}} = 0.0002(3) \\
 U_{\underline{4}^3}^{\text{S1}} = 0.0003(2) & U_{\underline{5}^3}^{\text{S1}} = -0.0004(3) & 
 \end{array}$$

Sr :

$$\begin{array}{lll}
 U_{\underline{2}}^{\text{Sr}} = 0.00172(2) & U_{\underline{4}}^{\text{Sr}} = -0.01927(7) & U_{\underline{8}}^{\text{Sr}} = -0.00770(4) \\
 U_{\underline{1}^1}^{\text{Sr}} = 0.00067(12) & U_{\underline{2}^1}^{\text{Sr}} = 0.0004(1) & U_{\underline{2}^2}^{\text{Sr}} = 0.0043(2) \\
 U_{\underline{2}^3}^{\text{Sr}} = 0.0025(2) & U_{\underline{1}^3}^{\text{Sr}} = -0.00280(12) & U_{\underline{2}^3}^{\text{Sr}} = -0.00090(10)
 \end{array}$$

<sup>†</sup>Modulation functions for a parameter  $\lambda$  of an atom  $v$  defined in a restricted interval

(case of S1 and Sr) are given by:

$$U_{\lambda}^v;_{\lambda}(\bar{;}x_4) = \sum_{n=0}^k U_{\lambda}^v \text{Ortho}^v;_n(\bar{;}x_4)$$

, obtained from Schmit orthogonalization, procedure where the orthogonalized functions are given by:

$$\text{Ortho}_i^V(\bar{x}_4) = B_{i0}^V + \sum_{n=1}^k A_{in}^V \sin(2\pi n \bar{x}_4) + \sum_{n=1}^k B_{in}^V \cos(2\pi n \bar{x}_4)$$

For Ti, the modulation functions are classically written as :

$$U_{i\lambda}^V(\bar{x}_4) = U_{i\lambda}^V + \sum_{n=1}^k U_{i\lambda n}^V \sin(2\pi n \bar{x}_4) + \sum_{n=1}^k U_{i\lambda n}^V \cos(2\pi n \bar{x}_4)$$

Only independent coefficients are provided.

**Table II - Orthonormalized set functions used for modulation (commensurate (3+1)D option)**

$$\text{Ortho}_i^V(\bar{x}_4) = B_{i0}^V + \sum_{n=1}^k A_{in}^V \sin(2\pi n \bar{x}_4) + \sum_{n=1}^k B_{in}^V \cos(2\pi n \bar{x}_4)$$

$\text{Ortho}_i^{S2}$	$B_{i0}^{S2}$
$\text{Ortho}_0^{S2}$	1

Orthogonalized set functions based on crenel  $\hat{x}_4^{S2} = 1/32 / \Delta^{S2} = 1/16$

$\text{Ortho}_i^{S1}$	$B_0^{S1}$	$A_1^{S1}$	$B_1^{S1}$	$A_2^{S1}$	$B_2^{S1}$	$A_3^{S1}$	$B_3^{S1}$
$\text{Ortho}_0^{S1}$	1.000						
$\text{Ortho}_1^{S1}$	0	1.695					
$\text{Ortho}_2^{S1}$	0.554	0	1.823				
$\text{Ortho}_3^{S1}$	0	1.461	0	1.965			
$\text{Ortho}_4^{S1}$	1.022	0	1.873	0	2.122		
$\text{Ortho}_5^{S1}$	0	2.771	0	2.351	0	2.294	
$\text{Ortho}_6^{S1}$	1.975	0	3.667	0	2.901	0	2.481

Orthogonalized set functions based on crenels  $\hat{x}_4^{S1} = 1/4 / \Delta^{S1} = 3/8$

$\text{Ortho}_i^{Sr}$	$B_0^{Sr}$	$A_1^{Sr}$	$B_1^{Sr}$
$\text{Ortho}_0^{Sr}$	1		
$\text{Ortho}_1^{Sr}$	0	1.847	
$\text{Ortho}_2^{Sr}$	-0.870	0	2.105

Orthogonalized set functions based on crenel  $\hat{x}_4^{Sr} = 0 / \Delta^{Sr} = 1/3$

**Table III - Fractional atomic coordinates and equivalent isotropic displacement parameters<sup>†</sup> (Å<sup>2</sup>) for Sr<sub>1.125</sub>TiS<sub>3</sub> (3D option) and standard deviations.**

Atom	x	y	z	B <sub>eq</sub>
Sr1	0.35033(5)	0	1/4	1.68(2)
Sr2	0.36576(4)	0.00409(4)	0.691903(9)	1.42(2)
Ti1	0	0	0	0.82(4)
Ti2	0	0	0.05861(3)	0.90(3)
Ti3	0	0	0.11950(3)	1.04(3)
Ti4	0	0	0.18545(3)	1.04(3)
Ti5	0	0	1/4	1.39(4)
S1	0.18507(11)	0.16212(10)	0.02985(3)	0.97(3)
S2	0.16869(10)	0.16170(10)	0.15218(2)	1.1(3)
S3	0.16903(10)	0.16943(11)	0.58973(2)	1.09(3)
S4	0.0979(2)	0.18794(12)	0.78239(3)	2.21(4)

$${}^{\dagger}B_{eq} = \frac{8\pi^2}{3} \sum_i \sum_j U^{ij} a_i^* a_j^* \mathbf{a}_i \mathbf{a}_j$$

h	k	l	m	Fo	Fc	sigma(F)
0	0	0	2	37.1	37.1	0.1
0	0	0	4	24.7	24.7	0.1
0	0	0	6	8.3	8.4	0.2
0	0	0	8	4.3	4.0	3.0
-1	2	0	0	9.9	9.6	0.1
-1	2	0	1	23.6	23.3	0.1
-1	2	0	2	19.5	19.2	0.0
-1	2	0	3	19.5	19.2	0.0
-1	2	0	4	6.0	6.0	0.1
-1	2	0	5	11.2	11.2	0.1
-1	2	0	6	5.4	5.5	0.1
-1	2	0	7	4.8	4.7	0.4
-1	2	0	8	1.2	1.9	1.7
0	3	0	-8	0.0	2.5	2.3
0	3	0	-6	9.8	10.0	0.1
0	3	0	-4	15.2	15.0	0.1
0	3	0	-2	25.6	25.0	0.1
0	3	0	0	37.8	38.0	0.1
0	3	0	2	17.5	17.1	0.1
0	3	0	4	20.2	20.2	0.1
0	3	0	6	4.5	4.6	0.2
0	3	0	8	1.8	3.6	2.3
-2	4	0	0	14.4	13.8	0.1
-2	4	0	1	47.6	46.0	0.0
-2	4	0	2	21.3	20.9	0.0
-2	4	0	3	21.2	21.2	0.0
-2	4	0	4	5.8	5.7	0.1
-2	4	0	5	9.3	9.3	0.1
-2	4	0	6	4.7	4.8	0.2
-2	4	0	7	4.5	5.4	0.6
-2	4	0	8	1.9	2.1	1.8
-1	5	0	-8	0.0	1.8	1.8
-1	5	0	-7	2.9	3.0	1.6
-1	5	0	-6	2.3	2.9	0.4
-1	5	0	-5	8.5	8.6	0.1
-1	5	0	-4	5.6	5.7	0.1
-1	5	0	-3	13.1	13.1	0.0
-1	5	0	-2	8.9	8.7	0.1
-1	5	0	-1	15.2	14.8	0.0
-1	5	0	0	6.7	6.6	0.1
-1	5	0	1	16.8	16.6	0.0
-1	5	0	2	12.8	12.7	0.1
-1	5	0	3	15.2	15.2	0.0
-1	5	0	4	3.0	2.8	0.2

-1	5	0	5	9.4	9.3	0.1
-1	5	0	6	5.6	5.8	0.1
-1	5	0	7	4.2	4.6	0.7
-1	5	0	8	1.4	1.0	1.9
-3	6	0	0	36.1	35.7	0.0
-3	6	0	1	2.3	2.3	0.1
-3	6	0	2	9.3	9.1	0.0
-3	6	0	3	1.8	2.1	0.2
-3	6	0	4	16.2	16.3	0.0
-3	6	0	5	0.3	0.9	0.8
-3	6	0	6	5.4	5.8	0.2
-3	6	0	7	0.0	0.2	1.7
-3	6	0	8	0.0	2.0	2.0
0	6	0	-6	2.7	2.9	0.5
0	6	0	-4	12.4	12.5	0.1
0	6	0	-2	21.9	21.8	0.1
0	6	0	0	48.9	48.6	0.1
0	6	0	2	25.6	25.4	0.1
0	6	0	4	10.1	10.3	0.1
0	6	0	6	6.0	6.2	0.2
-2	7	0	-7	3.5	3.9	0.8
-2	7	0	-6	3.8	4.3	0.3
-2	7	0	-5	6.1	6.4	0.1
-2	7	0	-4	1.5	1.5	0.8
-2	7	0	-3	11.1	11.0	0.0
-2	7	0	-2	11.1	11.1	0.0
-2	7	0	-1	10.7	10.4	0.0
-2	7	0	0	10.9	10.8	0.0
-2	7	0	1	8.2	8.0	0.0
-2	7	0	2	8.3	8.3	0.1
-2	7	0	3	8.8	8.7	0.1
-2	7	0	4	1.7	2.1	0.4
-2	7	0	5	6.6	6.8	0.1
-2	7	0	6	2.7	2.6	0.3
-2	7	0	7	1.6	2.1	1.8
-4	8	0	0	1.7	1.6	0.3
-4	8	0	1	23.1	23.0	0.0
-4	8	0	2	18.2	17.9	0.0
-4	8	0	3	10.6	10.8	0.1
-4	8	0	4	1.3	1.6	0.8
-4	8	0	5	4.0	4.0	0.2
-4	8	0	6	3.9	3.6	0.6
-4	8	0	7	1.2	3.2	1.8
-1	8	0	-7	0.0	1.9	2.0
-1	8	0	-6	3.6	4.1	0.9
-1	8	0	-5	4.7	4.7	0.1
-1	8	0	-4	1.9	1.6	0.3
-1	8	0	-3	5.0	4.9	0.1
-1	8	0	-2	7.5	7.5	0.1
-1	8	0	-1	5.6	5.5	0.1
-1	8	0	0	3.3	3.2	0.1
-1	8	0	1	6.8	6.9	0.1
-1	8	0	2	6.6	6.5	0.1
-1	8	0	3	7.1	7.1	0.1
-1	8	0	4	6.2	6.4	0.1
-1	8	0	5	6.0	5.9	0.1
-1	8	0	6	2.6	2.9	1.5
-1	8	0	7	3.0	3.2	1.7
-3	9	0	-7	2.1	0.4	1.9
-3	9	0	-6	2.1	3.0	1.7
-3	9	0	-5	0.0	0.8	0.9
-3	9	0	-4	6.0	6.2	0.1
-3	9	0	-3	0.7	0.4	0.7
-3	9	0	-2	3.5	3.5	0.1
-3	9	0	-1	0.4	0.8	0.6
-3	9	0	0	15.0	14.9	0.0
-3	9	0	1	0.9	1.0	0.7
-3	9	0	2	5.7	5.7	0.1
-3	9	0	3	0.3	0.2	0.7
-3	9	0	4	10.3	10.4	0.1
-3	9	0	5	0.0	0.2	1.0
-3	9	0	6	1.9	3.4	1.8
-3	9	0	7	0.0	0.2	1.8
0	9	0	-6	0.0	1.5	2.3
0	9	0	-4	6.6	6.6	0.2
0	9	0	-2	1.7	1.4	0.9
0	9	0	0	10.7	10.5	0.1
0	9	0	2	1.6	1.4	0.9
0	9	0	4	6.0	6.1	0.2
0	9	0	6	2.7	2.4	2.3
-5	10	0	0	8.7	8.6	0.1
-5	10	0	1	7.3	7.3	0.1
-5	10	0	2	1.3	0.9	0.7

-5	10	0	3	6.5	6.5	0.1
-5	10	0	4	0.0	0.5	0.9
-5	10	0	5	5.5	5.8	0.2
-5	10	0	6	3.1	1.8	1.8
-5	10	0	7	0.0	2.4	2.0
-2	10	0	-6	2.0	0.2	1.8
-2	10	0	-5	2.0	1.3	1.6
-2	10	0	-4	1.0	0.1	0.8
-2	10	0	-3	6.0	6.1	0.1
-2	10	0	-2	4.8	4.9	0.1
-2	10	0	-1	14.5	14.3	0.0
-2	10	0	0	0.0	0.5	0.7
-2	10	0	1	15.8	15.7	0.0
-2	10	0	2	7.3	7.5	0.1
-2	10	0	3	8.0	8.0	0.1
-2	10	0	4	1.6	1.4	0.9
-2	10	0	5	0.0	2.4	1.8
-2	10	0	6	2.7	2.5	1.8
-4	11	0	-6	2.4	1.0	1.9
-4	11	0	-5	0.7	2.4	1.7
-4	11	0	-4	3.2	3.5	0.3
-4	11	0	-3	2.9	3.2	0.2
-4	11	0	-2	2.7	2.6	0.2
-4	11	0	-1	0.6	0.4	0.7
-4	11	0	0	4.7	4.8	0.1
-4	11	0	1	1.7	1.6	0.3
-4	11	0	2	3.7	3.8	0.1
-4	11	0	3	0.0	1.2	0.8
-4	11	0	4	1.5	0.6	0.9
-4	11	0	5	3.1	2.0	1.7
-4	11	0	6	2.8	3.9	1.8
-1	11	0	-6	0.0	1.5	1.7
-1	11	0	-5	1.1	0.7	1.7
-1	11	0	-4	1.5	1.8	0.9
-1	11	0	-3	0.4	0.7	0.9
-1	11	0	-2	3.4	3.3	0.2
-1	11	0	-1	0.5	0.4	0.8
-1	11	0	0	10.0	9.7	0.1
-1	11	0	1	1.8	1.7	0.3
-1	11	0	2	5.1	5.1	0.1
-1	11	0	3	4.3	4.3	0.2
-1	11	0	4	1.3	0.9	1.0
-1	11	0	5	3.5	4.3	1.8
-1	11	0	6	0.0	2.3	1.8
-6	12	0	0	20.9	20.6	0.1
-6	12	0	1	3.8	3.7	0.2
-6	12	0	2	6.4	6.4	0.1
-6	12	0	3	3.6	3.5	0.2
-6	12	0	4	2.6	2.9	0.3
-6	12	0	5	1.1	1.6	1.5
-6	12	0	6	0.8	0.4	1.9
-3	12	0	-6	2.5	0.8	2.0
-3	12	0	-5	0.0	1.2	1.8
-3	12	0	-4	3.6	2.7	0.8
-3	12	0	-3	2.8	2.7	0.3
-3	12	0	-2	1.4	0.7	0.8
-3	12	0	-1	3.7	3.7	0.2
-3	12	0	0	8.2	8.4	0.1
-3	12	0	1	3.4	3.5	0.2
-3	12	0	2	2.0	1.3	0.3
-3	12	0	3	3.0	3.0	0.2
-3	12	0	4	5.2	5.8	0.4
-3	12	0	5	3.6	2.2	0.8
-3	12	0	6	0.8	2.2	1.7
0	12	0	-4	2.6	0.1	2.1
0	12	0	-2	0.0	0.7	1.0
0	12	0	0	15.2	15.2	0.1
0	12	0	2	3.5	3.8	0.3
0	12	0	4	0.0	2.7	1.9
-5	13	0	-5	0.0	1.0	1.9
-5	13	0	-4	3.9	2.8	0.7
-5	13	0	-3	0.0	0.6	0.8
-5	13	0	-2	1.2	0.4	0.8
-5	13	0	-1	0.0	0.9	0.8
-5	13	0	0	10.4	10.3	0.1
-5	13	0	1	0.0	0.7	0.8
-5	13	0	2	1.3	1.3	0.7
-5	13	0	3	2.9	3.0	0.3
-5	13	0	4	0.0	0.8	1.6
-5	13	0	5	0.0	2.8	1.8
-2	13	0	-5	0.0	0.8	1.9
-2	13	0	-4	2.0	2.2	1.7
-2	13	0	-3	0.0	0.1	1.6

-2	13	0	-2	0.0	0.5	0.9
-2	13	0	-1	1.3	1.7	0.9
-2	13	0	0	8.8	8.7	0.1
-2	13	0	1	2.0	2.3	0.3
-2	13	0	2	1.7	1.3	0.9
-2	13	0	3	0.0	0.5	1.7
-2	13	0	4	1.8	0.6	1.8
-2	13	0	5	1.7	1.9	1.8
-7	14	0	0	3.7	3.9	0.3
-7	14	0	1	1.9	1.9	0.3
-7	14	0	2	7.8	7.7	0.1
-7	14	0	3	0.0	1.0	1.7
-7	14	0	4	0.0	1.5	1.8
-7	14	0	5	1.2	0.5	1.8
-4	14	0	-4	0.0	1.1	1.9
-4	14	0	-3	0.0	1.6	1.8
-4	14	0	-2	4.7	5.8	0.5
-4	14	0	-1	3.4	3.1	0.2
-4	14	0	0	1.1	1.4	0.9
-4	14	0	1	4.0	4.3	0.2
-4	14	0	2	5.8	5.2	0.4
-4	14	0	3	0.0	0.2	1.7
-4	14	0	4	3.8	2.3	0.8
-4	14	0	5	0.0	0.9	1.8
-1	14	0	-4	2.6	0.2	1.6
-1	14	0	-3	2.2	1.7	1.7
-1	14	0	-2	0.0	0.6	1.8
-1	14	0	-1	3.2	2.7	0.7
-1	14	0	0	3.2	3.4	0.4
-1	14	0	1	1.3	1.2	1.6
-1	14	0	2	3.3	2.8	1.6
-1	14	0	3	0.0	1.0	1.8
-1	14	0	4	3.0	1.4	1.8
-6	15	0	-4	1.6	2.1	1.8
-6	15	0	-3	3.2	1.7	1.8
-6	15	0	-2	2.9	3.6	1.6
-6	15	0	-1	3.5	2.7	0.7
-6	15	0	0	0.0	2.0	1.2
-6	15	0	1	2.9	3.1	0.7
-6	15	0	2	4.0	4.7	0.7
-6	15	0	3	0.0	2.0	1.8
-6	15	0	4	0.0	0.8	1.8
-3	15	0	-4	1.5	0.5	1.9
-3	15	0	-3	2.8	1.1	1.7
-3	15	0	-2	3.5	3.8	0.8
-3	15	0	-1	0.0	1.0	1.7
-3	15	0	0	0.0	1.4	1.2
-3	15	0	1	0.0	1.1	1.7
-3	15	0	2	0.0	0.4	1.7
-3	15	0	3	1.9	0.8	1.8
-3	15	0	4	1.3	2.2	1.9
0	15	0	-2	0.0	3.4	2.3
0	15	0	0	0.0	0.1	1.5
0	15	0	2	4.1	4.6	0.7
-8	16	0	0	7.1	6.8	0.2
-8	16	0	1	3.4	5.4	1.8
-8	16	0	2	0.0	1.4	1.8
-8	16	0	3	0.0	1.3	1.9
-8	16	0	4	4.1	4.5	0.7
-5	16	0	-3	0.0	0.9	1.9
-5	16	0	-2	2.1	2.7	1.8
-5	16	0	-1	3.0	0.6	1.7
-5	16	0	0	7.8	8.0	0.2
-5	16	0	1	0.0	1.6	1.7
-5	16	0	2	1.7	2.1	1.8
-5	16	0	3	0.0	2.7	1.8
-2	16	0	-2	3.2	0.4	1.9
-2	16	0	-1	2.0	2.3	1.7
-2	16	0	0	4.1	4.4	0.4
-2	16	0	1	3.7	3.2	0.9
-2	16	0	2	1.5	1.5	1.7
-7	17	0	-3	3.0	2.9	2.0
-7	17	0	-2	0.0	0.8	1.9
-7	17	0	-1	3.9	4.7	0.9
-7	17	0	0	2.3	3.3	1.3
-7	17	0	1	0.0	3.7	1.8
-7	17	0	2	1.4	2.4	1.9
-7	17	0	3	0.0	1.0	1.8
-4	17	0	-2	0.0	1.5	1.9
-4	17	0	-1	3.3	3.8	0.8
-4	17	0	0	4.7	5.3	0.3
-4	17	0	1	2.3	4.5	2.0
-4	17	0	2	2.6	1.8	1.9

-9	18	0	0	0.0	2.3	1.6
-9	18	0	1	4.3	3.9	0.7
-6	18	0	0	6.0	6.1	0.3
-1	1	1	-8	0.3	0.8	0.8
-1	1	1	-6	0.0	0.1	0.7
-1	1	1	-4	0.3	0.5	0.7
-1	1	1	-2	3.1	3.3	0.2
-1	1	1	0	10.2	9.7	0.1
-1	1	1	2	13.9	14.0	0.1
-1	1	1	4	1.4	0.9	0.9
0	2	1	-8	0.0	0.0	0.8
0	2	1	-6	1.6	1.5	0.4
0	2	1	-4	6.9	7.1	0.1
0	2	1	-2	3.4	3.6	0.1
0	2	1	0	22.5	22.5	0.1
0	2	1	2	2.2	2.1	0.3
0	2	1	4	5.5	5.4	0.2
-2	3	1	-8	1.1	0.8	0.8
-2	3	1	-7	0.4	0.5	0.7
-2	3	1	-6	1.3	1.5	0.7
-2	3	1	-5	2.8	2.8	0.2
-2	3	1	-4	0.9	0.6	0.6
-2	3	1	-3	4.5	4.6	0.1
-2	3	1	-2	3.1	3.2	0.1
-2	3	1	-1	5.5	5.2	0.1
-2	3	1	0	28.4	27.8	0.0
-2	3	1	1	6.4	6.3	0.1
-2	3	1	2	1.5	1.5	0.2
-2	3	1	3	0.9	0.7	0.6
-2	3	1	4	5.8	5.8	0.1
-2	3	1	5	2.0	2.0	0.5
-4	4	1	-8	1.5	1.6	0.9
-4	4	1	-6	2.8	2.8	0.2
-4	4	1	-4	3.6	3.6	0.2
-4	4	1	-2	7.2	7.0	0.1
-4	4	1	0	10.4	10.2	0.1
-4	4	1	2	16.1	15.8	0.1
-4	4	1	4	0.8	0.8	0.8
-1	4	1	-8	0.0	0.6	0.8
-1	4	1	-7	2.0	2.0	0.3
-1	4	1	-6	4.8	4.9	0.1
-1	4	1	-5	1.9	1.9	0.2
-1	4	1	-4	1.7	1.7	0.2
-1	4	1	-3	6.4	6.3	0.1
-1	4	1	-2	10.0	10.3	0.0
-1	4	1	-1	19.5	19.1	0.0
-1	4	1	0	17.3	17.1	0.1
-1	4	1	1	18.5	18.3	0.0
-1	4	1	2	4.5	4.3	0.1
-1	4	1	3	8.3	8.2	0.1
-1	4	1	4	1.5	0.8	0.3
-3	5	1	-8	0.5	0.4	0.7
-3	5	1	-7	0.0	0.1	0.7
-3	5	1	-6	2.0	2.0	0.3
-3	5	1	-5	1.0	1.1	0.6
-3	5	1	-4	3.1	3.0	0.1
-3	5	1	-3	0.6	0.5	0.6
-3	5	1	-2	10.6	10.6	0.1
-3	5	1	-1	11.7	11.4	0.0
-3	5	1	0	27.9	27.5	0.0
-3	5	1	1	14.2	14.1	0.0
-3	5	1	2	5.8	5.7	0.1
-3	5	1	3	6.2	6.4	0.1
-3	5	1	4	7.9	7.9	0.1
0	5	1	-8	1.3	0.8	0.9
0	5	1	-6	1.4	1.3	0.8
0	5	1	-4	12.0	12.1	0.1
0	5	1	-2	3.3	3.2	0.2
0	5	1	0	14.3	13.9	0.1
0	5	1	2	3.2	3.3	0.2
0	5	1	4	7.1	6.9	0.1
-5	6	1	-8	1.6	1.5	0.8
-5	6	1	-7	1.7	1.7	0.3
-5	6	1	-6	1.7	1.3	0.3
-5	6	1	-5	2.8	2.8	0.2
-5	6	1	-4	3.6	3.7	0.2
-5	6	1	-3	6.7	6.7	0.1
-5	6	1	-2	5.1	5.0	0.1
-5	6	1	-1	10.2	10.1	0.0
-5	6	1	0	1.4	1.7	0.3
-5	6	1	1	8.4	8.2	0.1
-5	6	1	2	9.7	9.7	0.1
-5	6	1	3	5.5	5.4	0.1

-5	6	1	4	2.5	2.4	0.3
-2	6	1	-8	0.0	0.1	0.9
-2	6	1	-7	1.0	0.7	0.7
-2	6	1	-6	1.6	1.7	0.3
-2	6	1	-5	3.7	3.7	0.1
-2	6	1	-4	2.8	2.9	0.1
-2	6	1	-3	8.0	8.0	0.1
-2	6	1	-2	2.8	2.7	0.1
-2	6	1	-1	10.8	10.7	0.0
-2	6	1	0	4.5	4.5	0.1
-2	6	1	1	12.0	11.9	0.1
-2	6	1	2	6.0	6.0	0.1
-2	6	1	3	9.7	9.5	0.1
-2	6	1	4	1.3	0.4	0.7
-7	7	1	-6	2.8	2.7	0.3
-7	7	1	-4	7.0	6.9	0.1
-7	7	1	-2	10.6	10.7	0.1
-7	7	1	0	2.5	2.8	0.2
-7	7	1	2	14.7	14.8	0.1
-7	7	1	4	3.9	4.0	0.3
-4	7	1	-7	0.3	0.5	0.7
-4	7	1	-6	1.7	1.5	0.3
-4	7	1	-5	3.6	3.8	0.1
-4	7	1	-4	5.8	6.0	0.1
-4	7	1	-3	4.5	4.5	0.1
-4	7	1	-2	1.2	1.0	0.3
-4	7	1	-1	2.5	2.4	0.1
-4	7	1	0	3.4	3.4	0.1
-4	7	1	1	3.8	3.7	0.1
-4	7	1	2	3.7	3.8	0.1
-4	7	1	3	1.2	1.0	0.7
-4	7	1	4	2.7	2.6	0.2
-1	7	1	-7	2.8	2.6	0.3
-1	7	1	-6	1.3	0.8	0.7
-1	7	1	-5	4.6	4.7	0.1
-1	7	1	-4	1.7	1.8	0.2
-1	7	1	-3	10.3	10.3	0.0
-1	7	1	-2	9.3	9.1	0.0
-1	7	1	-1	12.7	12.6	0.0
-1	7	1	0	4.8	4.8	0.1
-1	7	1	1	9.6	9.4	0.1
-1	7	1	2	18.2	18.1	0.0
-1	7	1	3	7.0	6.7	0.1
-1	7	1	4	0.5	0.8	0.8
-6	8	1	-7	1.3	1.6	0.8
-6	8	1	-6	0.0	0.4	0.7
-6	8	1	-5	0.7	0.3	0.7
-6	8	1	-4	5.6	5.7	0.1
-6	8	1	-3	1.2	1.4	0.3
-6	8	1	-2	4.4	4.3	0.1
-6	8	1	-1	1.8	1.8	0.2
-6	8	1	0	17.1	16.8	0.0
-6	8	1	1	3.5	3.6	0.1
-6	8	1	2	4.2	4.1	0.1
-6	8	1	3	5.0	5.0	0.1
-6	8	1	4	6.8	6.8	0.2
-3	8	1	-7	0.8	0.2	0.7
-3	8	1	-6	3.7	3.8	0.1
-3	8	1	-5	0.9	1.0	0.7
-3	8	1	-4	7.0	6.9	0.1
-3	8	1	-3	1.6	1.5	0.2
-3	8	1	-2	16.6	16.6	0.0
-3	8	1	-1	4.0	3.9	0.1
-3	8	1	0	25.6	25.3	0.0
-3	8	1	1	6.6	6.5	0.1
-3	8	1	2	10.9	10.7	0.1
-3	8	1	3	1.5	1.5	0.3
-3	8	1	4	8.3	8.4	0.1
0	8	1	-6	4.2	4.3	0.2
0	8	1	-4	8.4	8.5	0.1
0	8	1	-2	11.7	11.6	0.1
0	8	1	0	26.2	25.7	0.1
0	8	1	2	9.0	8.7	0.1
-8	9	1	-7	0.0	0.3	0.9
-8	9	1	-6	1.3	0.3	0.7
-8	9	1	-5	2.8	3.0	0.2
-8	9	1	-4	2.0	2.0	0.2
-8	9	1	-3	3.2	3.3	0.1
-8	9	1	-2	2.7	2.8	0.2
-8	9	1	-1	1.3	0.7	0.7
-8	9	1	0	16.3	16.1	0.0
-8	9	1	1	1.3	1.2	0.3
-8	9	1	2	2.0	1.4	0.3

-8	9	1	3	1.9	1.7	0.3
-5	9	1	-7	1.1	1.1	0.8
-5	9	1	-6	2.0	2.0	0.3
-5	9	1	-5	0.9	0.7	0.6
-5	9	1	-4	4.6	4.6	0.1
-5	9	1	-3	4.8	4.9	0.1
-5	9	1	-2	2.9	2.9	0.1
-5	9	1	-1	13.4	13.2	0.0
-5	9	1	0	10.0	9.8	0.1
-5	9	1	1	14.5	14.3	0.0
-5	9	1	2	1.1	1.4	0.7
-5	9	1	3	8.8	8.7	0.1
-2	9	1	-7	1.3	1.5	0.8
-2	9	1	-6	3.0	3.1	0.2
-2	9	1	-5	6.8	6.8	0.1
-2	9	1	-4	2.6	2.6	0.2
-2	9	1	-3	8.4	8.4	0.1
-2	9	1	-2	5.8	5.7	0.1
-2	9	1	-1	5.8	5.8	0.1
-2	9	1	0	9.3	9.0	0.1
-2	9	1	1	4.4	4.4	0.1
-2	9	1	2	5.3	5.1	0.1
-2	9	1	3	4.9	4.7	0.1
-10	10	1	-6	1.1	0.8	1.0
-10	10	1	-4	1.4	1.6	0.9
-10	10	1	-2	1.7	1.4	0.3
-10	10	1	0	1.2	2.2	0.9
-10	10	1	2	5.3	5.5	0.2
-7	10	1	-6	1.1	0.2	0.7
-7	10	1	-5	2.3	2.2	0.2
-7	10	1	-4	3.8	3.9	0.1
-7	10	1	-3	5.4	5.5	0.1
-7	10	1	-2	5.5	5.4	0.1
-7	10	1	-1	11.7	11.7	0.0
-7	10	1	0	7.5	7.3	0.1
-7	10	1	1	11.2	11.1	0.1
-7	10	1	2	7.8	7.6	0.1
-7	10	1	3	5.3	5.2	0.1
-4	10	1	-6	2.5	2.5	0.2
-4	10	1	-5	5.0	4.9	0.1
-4	10	1	-4	1.3	0.8	0.3
-4	10	1	-3	7.4	7.6	0.1
-4	10	1	-2	7.4	7.4	0.1
-4	10	1	-1	10.2	10.1	0.0
-4	10	1	0	3.4	3.4	0.2
-4	10	1	1	10.6	10.5	0.1
-4	10	1	2	10.2	10.1	0.1
-4	10	1	3	7.2	7.1	0.1
-1	10	1	-6	3.1	3.1	0.2
-1	10	1	-5	4.1	4.0	0.1
-1	10	1	-4	5.0	5.0	0.1
-1	10	1	-3	8.5	8.7	0.1
-1	10	1	-2	5.7	5.8	0.1
-1	10	1	-1	14.9	14.8	0.0
-1	10	1	0	3.2	3.0	0.2
-1	10	1	1	15.1	15.0	0.1
-1	10	1	2	4.1	3.8	0.1
-9	11	1	-6	0.0	0.8	0.8
-9	11	1	-5	3.6	3.3	0.2
-9	11	1	-4	0.6	0.4	0.7
-9	11	1	-3	2.5	2.2	0.2
-9	11	1	-2	4.1	4.0	0.1
-9	11	1	-1	4.1	4.0	0.1
-9	11	1	0	11.9	11.8	0.1
-9	11	1	1	5.9	5.9	0.1
-9	11	1	2	1.8	1.7	0.3
-6	11	1	-6	3.4	3.6	0.2
-6	11	1	-5	1.2	0.4	0.7
-6	11	1	-4	7.7	7.7	0.1
-6	11	1	-3	1.1	0.2	0.6
-6	11	1	-2	3.0	3.4	0.1
-6	11	1	-1	2.3	2.0	0.2
-6	11	1	0	10.2	9.9	0.1
-6	11	1	1	3.1	3.0	0.2
-6	11	1	2	2.8	2.8	0.2
-3	11	1	-6	1.2	1.2	0.8
-3	11	1	-5	2.5	2.5	0.2
-3	11	1	-4	9.2	9.3	0.1
-3	11	1	-3	2.2	2.2	0.2
-3	11	1	-2	8.8	8.9	0.1
-3	11	1	-1	3.0	2.9	0.1
-3	11	1	0	21.2	20.8	0.0
-3	11	1	1	6.2	6.1	0.1

-3	11	1	2	7.9	7.8	0.1
0	11	1	-4	8.0	8.1	0.1
0	11	1	-2	10.2	10.2	0.1
0	11	1	0	8.7	8.9	0.1
-11	12	1	-5	0.0	1.2	1.1
-11	12	1	-4	0.3	0.6	0.7
-11	12	1	-3	2.9	2.9	0.2
-11	12	1	-2	2.4	2.3	0.2
-11	12	1	-1	3.9	3.7	0.1
-11	12	1	0	1.1	1.4	0.9
-11	12	1	1	3.2	3.1	0.2
-8	12	1	-5	1.4	2.0	0.8
-8	12	1	-4	2.7	2.7	0.2
-8	12	1	-3	3.2	3.3	0.2
-8	12	1	-2	4.3	4.1	0.1
-8	12	1	-1	4.4	4.4	0.1
-8	12	1	0	3.4	3.5	0.2
-8	12	1	1	5.9	5.8	0.1
-8	12	1	2	5.3	5.2	0.1
-5	12	1	-5	4.2	4.4	0.1
-5	12	1	-4	0.7	0.9	0.7
-5	12	1	-3	8.4	8.4	0.1
-5	12	1	-2	7.9	7.8	0.1
-5	12	1	-1	9.8	9.7	0.1
-5	12	1	0	3.9	3.8	0.2
-5	12	1	1	8.1	7.9	0.1
-5	12	1	2	9.6	9.5	0.1
-2	12	1	-5	3.8	3.9	0.2
-2	12	1	-4	3.9	4.0	0.2
-2	12	1	-3	7.0	7.0	0.1
-2	12	1	-2	4.9	4.9	0.1
-2	12	1	-1	9.7	9.7	0.1
-2	12	1	0	0.0	1.1	0.9
-2	12	1	1	10.2	10.2	0.1
-13	13	1	-2	1.2	0.0	1.2
-13	13	1	0	1.7	3.0	1.7
-10	13	1	-4	0.0	0.3	0.7
-10	13	1	-3	1.9	1.9	0.3
-10	13	1	-2	2.7	2.6	0.2
-10	13	1	-1	1.9	2.0	0.3
-10	13	1	0	5.2	5.3	0.1
-10	13	1	1	3.1	2.8	0.2
-7	13	1	-5	3.5	3.7	0.2
-7	13	1	-4	1.8	1.5	0.3
-7	13	1	-3	5.6	5.6	0.1
-7	13	1	-2	0.9	1.4	0.7
-7	13	1	-1	5.3	5.2	0.1
-7	13	1	0	2.7	2.7	0.3
-7	13	1	1	3.8	3.7	0.1
-4	13	1	-5	5.7	5.8	0.2
-4	13	1	-4	3.4	3.3	0.2
-4	13	1	-3	7.1	7.0	0.1
-4	13	1	-2	3.6	3.6	0.1
-4	13	1	-1	4.4	4.2	0.1
-4	13	1	0	3.2	3.4	0.3
-4	13	1	1	2.7	2.3	0.3
-1	13	1	-3	6.7	6.8	0.1
-1	13	1	-2	4.6	4.7	0.1
-1	13	1	-1	7.6	7.4	0.1
-1	13	1	0	2.4	2.4	0.4
-12	14	1	0	6.8	7.0	0.3
-9	14	1	-4	5.3	5.4	0.2
-9	14	1	-3	0.0	0.4	0.7
-9	14	1	-2	6.7	6.7	0.1
-9	14	1	-1	3.1	3.2	0.2
-9	14	1	0	12.9	12.9	0.1
-6	14	1	-4	4.4	4.6	0.1
-6	14	1	-3	1.6	1.4	0.3
-6	14	1	-2	8.4	8.4	0.1
-6	14	1	-1	1.4	1.2	0.7
-6	14	1	0	12.0	12.1	0.1
-3	14	1	-3	0.3	0.9	0.8
-3	14	1	-2	8.4	8.3	0.1
-3	14	1	-1	2.2	2.0	0.3
-3	14	1	0	16.5	16.2	0.1
0	14	1	0	13.1	12.9	0.2
-14	15	1	0	6.9	6.9	0.3
-11	15	1	0	5.4	5.7	0.4
-8	15	1	-2	1.6	1.1	0.9
-8	15	1	0	3.0	4.2	0.6
-5	15	1	0	4.1	4.5	0.5
-2	15	1	0	3.6	3.7	0.5
-13	16	1	0	4.3	4.9	0.6

-10	16	1	0	4.8	4.5	0.4
-7	16	1	0	2.7	3.2	1.4
-4	16	1	0	0.9	1.6	1.4
-1	16	1	0	2.0	2.3	1.6
-12	17	1	0	1.5	2.1	1.6
-9	17	1	0	7.6	7.5	0.3
-6	17	1	0	5.7	5.7	0.4
0	1	2	-10	0.8	0.1	0.8
0	1	2	-8	0.4	0.3	0.7
0	1	2	-6	0.5	0.2	0.7
0	1	2	-4	1.6	1.7	0.3
0	1	2	-2	2.7	2.7	0.2
0	1	2	0	22.0	21.9	0.1
0	1	2	2	1.6	1.7	0.9
-2	2	2	-10	2.5	2.5	0.4
-2	2	2	-8	0.3	0.2	0.7
-2	2	2	-6	2.5	2.5	0.3
-2	2	2	-4	4.7	5.0	0.1
-2	2	2	-2	5.0	5.2	0.1
-2	2	2	0	11.2	11.2	0.1
-2	2	2	2	1.0	0.8	0.9
-1	3	2	-10	1.3	1.2	0.8
-1	3	2	-9	0.9	0.8	0.7
-1	3	2	-8	1.2	1.2	0.7
-1	3	2	-7	1.7	1.8	0.2
-1	3	2	-6	3.8	3.8	0.1
-1	3	2	-5	0.9	1.0	0.5
-1	3	2	-4	0.8	0.9	0.5
-1	3	2	-3	1.1	1.4	0.3
-1	3	2	-2	7.6	7.4	0.1
-1	3	2	-1	9.6	9.6	0.1
-1	3	2	0	3.2	3.3	0.1
-1	3	2	1	12.3	12.1	0.1
-1	3	2	2	7.9	7.9	0.1
-1	3	2	3	6.0	6.0	0.2
-3	4	2	-10	1.6	1.8	0.9
-3	4	2	-9	0.8	0.2	0.7
-3	4	2	-8	0.9	1.1	0.7
-3	4	2	-7	0.7	0.7	0.6
-3	4	2	-6	5.4	5.5	0.1
-3	4	2	-5	3.8	3.8	0.1
-3	4	2	-4	0.6	0.5	0.5
-3	4	2	-3	7.5	7.7	0.0
-3	4	2	-2	0.9	0.8	0.6
-3	4	2	-1	0.8	0.8	0.5
-3	4	2	0	2.7	2.7	0.2
-3	4	2	1	4.7	4.7	0.1
-3	4	2	2	6.9	6.9	0.1
-3	4	2	3	1.4	1.8	0.9
0	4	2	-10	2.3	2.2	0.5
0	4	2	-8	2.3	2.3	0.3
0	4	2	-6	4.2	4.3	0.1
0	4	2	-4	10.4	10.5	0.1
0	4	2	-2	4.6	4.6	0.2
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0	4	2	2	6.7	6.3	0.1
-5	5	2	-8	0.8	0.2	0.7
-5	5	2	-6	0.5	0.4	0.7
-5	5	2	-4	2.0	1.8	0.2
-5	5	2	-2	12.4	12.5	0.1
-5	5	2	0	21.8	21.4	0.1
-5	5	2	2	11.1	10.8	0.1
-2	5	2	-10	0.3	0.3	0.9
-2	5	2	-9	0.5	0.2	0.7
-2	5	2	-8	1.9	2.2	0.2
-2	5	2	-7	0.9	1.1	0.6
-2	5	2	-6	2.7	2.7	0.2
-2	5	2	-5	3.5	3.5	0.1
-2	5	2	-4	5.7	5.6	0.1
-2	5	2	-3	6.2	6.1	0.1
-2	5	2	-2	8.7	8.7	0.1
-2	5	2	-1	2.0	2.0	0.2
-2	5	2	0	10.0	9.7	0.1
-2	5	2	1	6.3	6.4	0.1
-2	5	2	2	4.0	4.1	0.1
-4	6	2	-9	2.4	2.5	0.2
-4	6	2	-8	0.5	0.9	0.7
-4	6	2	-7	1.6	1.7	0.3
-4	6	2	-6	0.0	0.2	0.6
-4	6	2	-5	1.9	1.9	0.2
-4	6	2	-4	2.7	2.5	0.1
-4	6	2	-3	4.4	4.4	0.1
-4	6	2	-2	1.2	1.2	0.3

-4	6	2	-1	4.1	4.2	0.1
-4	6	2	0	7.9	7.7	0.1
-4	6	2	1	4.4	4.3	0.1
-4	6	2	2	5.8	5.6	0.1
-1	6	2	-9	0.9	1.2	0.8
-1	6	2	-8	1.0	1.0	0.6
-1	6	2	-7	3.2	3.4	0.1
-1	6	2	-6	0.7	0.7	0.5
-1	6	2	-5	4.3	4.4	0.1
-1	6	2	-4	1.3	1.2	0.3
-1	6	2	-3	6.2	6.1	0.1
-1	6	2	-2	4.7	4.7	0.1
-1	6	2	-1	6.3	6.4	0.1
-1	6	2	0	15.9	15.6	0.1
-1	6	2	1	3.6	3.1	0.2
-1	6	2	2	4.8	4.6	0.1
-6	7	2	-9	0.7	0.5	0.7
-6	7	2	-8	0.7	0.8	0.8
-6	7	2	-7	1.2	1.4	0.7
-6	7	2	-6	2.3	2.4	0.3
-6	7	2	-5	3.5	3.6	0.1
-6	7	2	-4	9.7	10.0	0.0
-6	7	2	-3	6.3	6.4	0.1
-6	7	2	-2	0.7	0.5	0.5
-6	7	2	-1	8.6	8.6	0.1
-6	7	2	0	8.8	8.9	0.1
-6	7	2	1	7.3	7.2	0.1
-6	7	2	2	1.0	1.2	0.8
-3	7	2	-9	2.3	2.1	0.3
-3	7	2	-8	2.6	2.8	0.2
-3	7	2	-7	0.5	0.8	0.6
-3	7	2	-6	4.1	4.3	0.1
-3	7	2	-5	0.8	0.8	0.6
-3	7	2	-4	0.7	0.8	0.5
-3	7	2	-3	0.9	0.8	0.5
-3	7	2	-2	8.4	8.5	0.1
-3	7	2	-1	7.1	7.3	0.1
-3	7	2	0	2.9	2.8	0.2
-3	7	2	1	11.0	11.0	0.1
-3	7	2	2	10.3	10.3	0.1
0	7	2	-8	3.0	2.9	0.3
0	7	2	-6	5.7	5.8	0.1
0	7	2	-4	6.8	6.8	0.1
0	7	2	-2	2.2	2.3	0.2
0	7	2	0	5.9	6.2	0.2
0	7	2	2	2.9	2.4	0.3
-8	8	2	-8	5.4	5.4	0.1
-8	8	2	-6	1.8	1.7	0.4
-8	8	2	-4	0.0	0.8	0.7
-8	8	2	-2	8.7	8.8	0.1
-8	8	2	0	10.2	10.1	0.1
-5	8	2	-9	0.3	0.7	0.8
-5	8	2	-8	0.4	0.3	0.7
-5	8	2	-7	3.2	3.3	0.2
-5	8	2	-6	2.2	2.2	0.2
-5	8	2	-5	0.6	0.7	0.5
-5	8	2	-4	8.9	8.9	0.0
-5	8	2	-3	0.8	0.4	0.5
-5	8	2	-2	8.0	8.1	0.0
-5	8	2	-1	5.4	5.4	0.1
-5	8	2	0	12.9	12.8	0.1
-5	8	2	1	7.1	7.0	0.1
-5	8	2	2	1.9	2.2	0.3
-2	8	2	-9	0.0	0.2	0.8
-2	8	2	-8	0.7	0.8	0.7
-2	8	2	-7	0.9	1.0	0.6
-2	8	2	-6	0.3	0.4	0.6
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-2	8	2	-4	3.2	3.2	0.1
-2	8	2	-3	2.9	2.8	0.1
-2	8	2	-2	4.4	4.4	0.1
-2	8	2	-1	1.3	1.1	0.7
-2	8	2	0	8.5	8.4	0.1
-2	8	2	1	2.0	1.9	0.3
-2	8	2	2	0.3	0.4	0.8
-7	9	2	-8	2.3	1.5	0.3
-7	9	2	-7	1.5	1.2	0.3
-7	9	2	-6	0.7	0.4	0.7
-7	9	2	-5	1.6	1.6	0.3
-7	9	2	-4	0.4	0.6	0.6
-7	9	2	-3	4.4	4.6	0.1
-7	9	2	-2	0.8	0.4	0.6
-7	9	2	-1	10.3	10.4	0.0

-7	9	2	0	1.9	2.1	0.3
-7	9	2	1	11.2	11.1	0.1
-4	9	2	-9	0.0	0.2	0.8
-4	9	2	-8	1.1	1.3	0.7
-4	9	2	-7	0.6	0.4	0.7
-4	9	2	-6	1.1	0.8	0.6
-4	9	2	-5	5.6	5.7	0.1
-4	9	2	-4	1.5	1.6	0.2
-4	9	2	-3	8.4	8.4	0.1
-4	9	2	-2	0.5	0.1	0.6
-4	9	2	-1	3.8	3.8	0.1
-4	9	2	0	0.9	0.9	0.8
-4	9	2	1	0.0	0.8	0.7
-4	9	2	2	7.8	7.9	0.2
-1	9	2	-8	2.6	2.8	0.2
-1	9	2	-7	2.9	2.9	0.2
-1	9	2	-6	2.6	2.8	0.2
-1	9	2	-5	1.3	1.8	0.3
-1	9	2	-4	3.9	3.9	0.1
-1	9	2	-3	2.5	2.7	0.2
-1	9	2	-2	4.7	4.6	0.1
-1	9	2	-1	6.5	6.5	0.1
-1	9	2	0	2.3	2.5	0.3
-1	9	2	1	6.9	6.8	0.1
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-9	10	2	-7	0.7	0.5	0.7
-9	10	2	-6	3.2	3.1	0.2
-9	10	2	-5	4.4	4.6	0.1
-9	10	2	-4	0.0	0.4	0.6
-9	10	2	-3	7.9	8.1	0.1
-9	10	2	-2	4.8	4.8	0.1
-9	10	2	-1	4.6	4.6	0.1
-9	10	2	0	1.6	1.6	0.8
-9	10	2	1	2.6	2.4	0.3
-6	10	2	-8	2.1	2.0	0.3
-6	10	2	-7	2.0	1.9	0.3
-6	10	2	-6	3.2	3.2	0.1
-6	10	2	-5	0.4	0.5	0.6
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-6	10	2	-3	1.7	2.0	0.2
-6	10	2	-2	0.7	0.6	0.6
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-6	10	2	1	3.3	3.1	0.2
-3	10	2	-8	5.3	5.3	0.1
-3	10	2	-7	0.0	0.3	0.7
-3	10	2	-6	1.1	1.1	0.6
-3	10	2	-5	2.7	2.9	0.1
-3	10	2	-4	6.2	6.3	0.1
-3	10	2	-3	4.3	4.4	0.1
-3	10	2	-2	0.0	0.9	0.6
-3	10	2	-1	0.0	0.7	0.7
-3	10	2	0	1.4	1.2	0.9
-3	10	2	1	2.9	2.7	0.2
0	10	2	-8	2.4	2.3	0.6
0	10	2	-6	3.8	3.8	0.2
0	10	2	-4	1.4	1.6	0.7
0	10	2	-2	2.7	2.3	0.2
0	10	2	0	5.9	5.9	0.2
-11	11	2	-6	1.0	1.0	0.9
-11	11	2	-4	4.2	4.2	0.2
-11	11	2	-2	5.2	5.4	0.1
-11	11	2	0	16.9	16.8	0.1
-8	11	2	-8	1.4	1.6	0.8
-8	11	2	-7	0.8	1.1	0.8
-8	11	2	-6	0.0	0.4	0.7
-8	11	2	-5	2.6	2.5	0.2
-8	11	2	-4	7.6	7.8	0.1
-8	11	2	-3	3.0	2.9	0.1
-8	11	2	-2	9.8	9.6	0.1
-8	11	2	-1	2.9	2.8	0.2
-8	11	2	0	10.1	10.0	0.1
-8	11	2	1	4.4	4.5	0.3
-5	11	2	-8	1.7	1.2	0.4
-5	11	2	-7	3.3	3.2	0.2
-5	11	2	-6	2.4	2.1	0.2
-5	11	2	-5	2.4	2.5	0.2
-5	11	2	-4	1.1	1.3	0.6
-5	11	2	-3	3.0	3.0	0.1
-5	11	2	-2	8.0	8.2	0.1
-5	11	2	-1	2.1	1.7	0.2
-5	11	2	0	13.4	13.5	0.1
-5	11	2	1	2.1	1.4	0.3

-2	11	2	-7	1.7	1.5	0.3
-2	11	2	-6	2.5	2.6	0.2
-2	11	2	-5	4.3	4.3	0.1
-2	11	2	-4	3.8	3.6	0.1
-2	11	2	-3	4.2	4.2	0.1
-2	11	2	-2	4.6	4.4	0.1
-2	11	2	-1	0.8	0.4	0.7
-2	11	2	0	6.3	6.3	0.1
-10	12	2	-7	0.0	0.8	0.8
-10	12	2	-6	0.9	1.0	0.7
-10	12	2	-5	1.1	1.4	0.7
-10	12	2	-4	0.5	0.2	0.7
-10	12	2	-3	2.3	2.2	0.2
-10	12	2	-2	0.0	0.8	0.7
-10	12	2	-1	3.4	3.3	0.2
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-7	12	2	-5	3.7	3.8	0.1
-7	12	2	-4	2.6	2.6	0.2
-7	12	2	-3	5.5	5.4	0.1
-7	12	2	-2	0.0	0.8	0.7
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-4	12	2	-1	2.1	1.6	0.3
-4	12	2	0	3.5	3.7	0.2
-1	12	2	-6	0.0	0.7	0.7
-1	12	2	-5	3.4	3.3	0.2
-1	12	2	-4	0.0	0.3	0.7
-1	12	2	-3	3.0	3.1	0.2
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-12	13	2	-5	2.0	2.4	0.3
-12	13	2	-4	5.0	5.0	0.1
-12	13	2	-3	4.6	4.9	0.1
-12	13	2	-2	1.5	1.8	0.8
-12	13	2	0	1.9	3.7	1.5
-9	13	2	-6	1.1	1.2	0.7
-9	13	2	-5	0.8	0.5	0.7
-9	13	2	-4	2.8	2.7	0.2
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-9	13	2	-2	2.1	1.9	0.2
-9	13	2	-1	6.3	6.2	0.1
-9	13	2	0	0.0	0.4	1.4
-6	13	2	-7	0.0	0.5	0.9
-6	13	2	-6	2.9	2.8	0.2
-6	13	2	-5	1.3	1.3	0.7
-6	13	2	-4	4.6	4.6	0.1
-6	13	2	-3	3.2	3.2	0.1
-6	13	2	-2	3.9	3.6	0.1
-6	13	2	-1	4.7	4.7	0.1
-6	13	2	0	6.4	6.4	0.3
-3	13	2	-6	4.1	4.0	0.2
-3	13	2	-5	2.2	1.9	0.3
-3	13	2	-4	0.6	1.2	0.7
-3	13	2	-3	1.7	1.6	0.3
-3	13	2	-2	1.2	1.1	0.7
-3	13	2	-1	2.5	2.6	0.3
-3	13	2	0	0.0	1.5	1.5
0	13	2	-4	5.0	4.9	0.5
0	13	2	0	4.9	5.1	0.6
-14	14	2	0	4.8	4.3	0.7
-11	14	2	-5	2.4	0.8	1.6
-11	14	2	-4	2.7	3.0	0.2
-11	14	2	-3	1.1	1.0	0.7
-11	14	2	0	6.8	7.1	0.3
-8	14	2	-6	0.3	0.3	0.9
-8	14	2	-5	2.2	2.2	0.2
-8	14	2	-4	2.1	2.0	0.2
-8	14	2	-3	0.0	0.6	0.7
-8	14	2	-2	1.4	1.4	0.7
-8	14	2	0	6.8	7.2	0.3
-5	14	2	-5	0.9	0.8	0.7
-5	14	2	-4	4.7	4.7	0.1
-5	14	2	-3	0.0	0.3	0.7
-5	14	2	-2	3.6	3.5	0.2

-5	14	2	0	3.1	4.7	0.8
-2	14	2	0	2.3	2.5	1.4
-13	15	2	0	2.0	0.7	1.5
-10	15	2	0	1.6	1.4	1.4
-7	15	2	-4	2.5	2.8	0.5
-7	15	2	0	0.0	1.2	1.5
-4	15	2	0	0.0	0.3	1.6
-12	16	2	0	0.0	1.9	1.6
-9	16	2	0	0.0	0.7	1.5
-6	16	2	0	0.0	2.9	1.7
0	0	3	-12	1.5	1.1	1.2
0	0	3	-10	5.6	5.6	0.2
0	0	3	-8	6.4	6.6	0.1
0	0	3	-6	1.5	1.7	0.9
0	0	3	-4	3.1	3.7	0.3
0	0	3	-2	22.1	22.2	0.1
0	0	3	0	0.5	1.3	1.1
-1	2	3	-12	4.0	3.9	0.2
-1	2	3	-11	4.5	4.5	0.1
-1	2	3	-10	1.9	2.0	0.2
-1	2	3	-9	5.1	5.2	0.1
-1	2	3	-8	2.0	2.2	0.2
-1	2	3	-7	2.2	2.5	0.2
-1	2	3	-6	1.1	1.2	0.6
-1	2	3	-5	0.8	0.7	0.6
-1	2	3	-4	2.1	2.4	0.2
-1	2	3	-3	3.3	3.5	0.1
-1	2	3	-2	4.0	3.9	0.1
-1	2	3	-1	6.8	6.9	0.1
-1	2	3	0	0.3	1.0	0.8
-1	2	3	1	8.2	8.1	0.1
-3	3	3	-12	3.2	2.7	0.4
-3	3	3	-10	0.6	0.8	0.8
-3	3	3	-8	6.6	6.9	0.1
-3	3	3	-6	7.6	8.0	0.1
-3	3	3	-4	1.8	1.7	0.3
-3	3	3	-2	9.7	10.2	0.1
-3	3	3	0	16.3	16.0	0.1
0	3	3	-12	3.0	2.8	0.4
0	3	3	-10	8.8	9.1	0.1
0	3	3	-8	2.2	2.0	0.2
0	3	3	-6	9.7	10.1	0.1
0	3	3	-4	7.3	7.6	0.1
0	3	3	-2	5.7	5.9	0.1
0	3	3	0	12.4	12.3	0.1
-2	4	3	-12	2.1	1.9	0.4
-2	4	3	-11	1.2	1.2	0.7
-2	4	3	-10	0.5	0.4	0.6
-2	4	3	-9	2.0	2.2	0.2
-2	4	3	-8	1.3	1.5	0.3
-2	4	3	-7	4.7	4.9	0.1
-2	4	3	-6	0.5	0.6	0.5
-2	4	3	-5	2.7	2.9	0.1
-2	4	3	-4	3.5	3.6	0.1
-2	4	3	-3	10.0	10.3	0.1
-2	4	3	-2	1.3	1.4	0.3
-2	4	3	-1	4.0	4.0	0.1
-2	4	3	0	5.6	5.6	0.1
-2	4	3	1	3.8	3.9	0.2
-4	5	3	-11	4.1	4.2	0.2
-4	5	3	-10	3.6	3.8	0.1
-4	5	3	-9	4.1	4.2	0.1
-4	5	3	-8	1.1	1.1	0.6
-4	5	3	-7	2.0	2.0	0.2
-4	5	3	-6	3.2	3.1	0.1
-4	5	3	-5	0.4	0.3	0.5
-4	5	3	-4	2.6	2.5	0.1
-4	5	3	-3	1.9	1.8	0.2
-4	5	3	-2	2.0	1.9	0.2
-4	5	3	-1	3.8	3.8	0.1
-4	5	3	0	0.9	1.2	0.8
-4	5	3	1	5.9	5.6	0.1
-1	5	3	-11	1.4	1.4	0.8
-1	5	3	-10	0.9	0.3	0.6
-1	5	3	-9	1.1	1.3	0.7
-1	5	3	-8	2.4	2.5	0.1
-1	5	3	-7	2.0	1.9	0.2
-1	5	3	-6	4.3	4.1	0.1
-1	5	3	-5	2.7	2.6	0.2
-1	5	3	-4	1.6	1.5	0.2
-1	5	3	-3	2.8	2.7	0.2
-1	5	3	-2	0.5	0.4	0.6
-1	5	3	-1	5.7	5.8	0.1

-1	5	3	0	0.4	0.6	0.8
-1	5	3	1	6.7	6.5	0.1
-6	6	3	-10	0.7	0.3	0.9
-6	6	3	-8	0.0	0.3	0.8
-6	6	3	-6	3.2	3.3	0.2
-6	6	3	-4	12.0	12.2	0.1
-6	6	3	-2	10.0	10.0	0.1
-6	6	3	0	2.3	2.4	0.5
-3	6	3	-11	0.0	0.4	0.8
-3	6	3	-10	5.2	5.2	0.1
-3	6	3	-9	0.8	0.6	0.6
-3	6	3	-8	0.9	1.1	0.6
-3	6	3	-7	0.8	0.5	0.6
-3	6	3	-6	2.8	2.8	0.1
-3	6	3	-5	0.0	0.5	0.6
-3	6	3	-4	2.0	1.9	0.2
-3	6	3	-3	0.4	0.7	0.6
-3	6	3	-2	11.1	11.1	0.1
-3	6	3	-1	0.7	0.6	0.7
-3	6	3	0	7.5	7.7	0.1
-3	6	3	1	0.0	0.2	0.9
0	6	3	-10	3.2	3.2	0.2
0	6	3	-8	4.2	4.4	0.1
0	6	3	-6	2.0	1.9	0.2
0	6	3	-4	7.4	7.6	0.1
0	6	3	-2	10.3	10.3	0.1
0	6	3	0	3.4	3.2	0.3
-5	7	3	-11	0.0	0.3	0.8
-5	7	3	-10	3.1	2.8	0.2
-5	7	3	-9	0.0	0.8	0.7
-5	7	3	-8	1.6	1.6	0.3
-5	7	3	-7	3.9	3.9	0.1
-5	7	3	-6	4.0	4.0	0.1
-5	7	3	-5	4.0	4.0	0.1
-5	7	3	-4	3.2	3.1	0.1
-5	7	3	-3	3.0	3.2	0.1
-5	7	3	-2	2.8	2.7	0.2
-5	7	3	-1	6.0	6.1	0.1
-5	7	3	0	0.8	1.3	0.9
-2	7	3	-11	3.7	3.8	0.2
-2	7	3	-10	1.6	1.4	0.3
-2	7	3	-9	3.4	3.6	0.1
-2	7	3	-8	0.3	0.1	0.6
-2	7	3	-7	2.4	2.5	0.1
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-2	7	3	-4	2.6	2.7	0.1
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-2	7	3	0	0.0	0.8	0.9
-7	8	3	-11	2.0	1.4	1.0
-7	8	3	-10	0.7	0.7	0.7
-7	8	3	-9	0.8	0.7	0.7
-7	8	3	-8	2.1	2.5	0.3
-7	8	3	-7	1.5	1.5	0.3
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-7	8	3	-1	2.9	3.0	0.2
-7	8	3	0	2.4	2.5	0.3
-4	8	3	-11	2.1	1.6	0.3
-4	8	3	-10	2.4	2.2	0.2
-4	8	3	-9	1.7	1.6	0.3
-4	8	3	-8	1.1	1.4	0.7
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-4	8	3	-5	4.4	4.5	0.1
-4	8	3	-4	6.5	6.6	0.1
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-4	8	3	-2	3.4	3.3	0.1
-4	8	3	-1	2.3	2.0	0.3
-4	8	3	0	1.6	2.0	1.0
-1	8	3	-11	0.8	0.2	1.0
-1	8	3	-10	1.4	1.4	0.7
-1	8	3	-9	1.0	1.0	0.7
-1	8	3	-8	4.1	4.1	0.1
-1	8	3	-7	2.6	2.6	0.2
-1	8	3	-6	0.3	0.3	0.5
-1	8	3	-5	1.3	1.3	0.3
-1	8	3	-4	0.3	0.8	0.6

-1	8	3	-3	0.9	1.1	0.7
-1	8	3	-2	1.5	1.6	0.3
-1	8	3	-1	3.7	3.6	0.1
-1	8	3	0	2.2	2.7	0.4
-9	9	3	-10	2.4	2.0	0.3
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-9	9	3	-6	6.8	6.7	0.1
-9	9	3	-4	3.8	3.8	0.2
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-9	9	3	0	8.0	8.1	0.3
-6	9	3	-10	2.1	2.3	0.3
-6	9	3	-9	1.3	0.5	0.7
-6	9	3	-8	2.9	2.7	0.2
-6	9	3	-7	0.3	0.9	0.6
-6	9	3	-6	2.0	2.3	0.2
-6	9	3	-5	0.3	0.3	0.6
-6	9	3	-4	1.0	0.8	0.6
-6	9	3	-3	0.5	0.9	0.6
-6	9	3	-2	3.9	4.0	0.1
-6	9	3	-1	1.2	1.0	0.7
-6	9	3	0	6.6	6.5	0.1
-3	9	3	-10	0.8	0.9	0.8
-3	9	3	-9	1.8	1.9	0.3
-3	9	3	-8	4.8	4.9	0.1
-3	9	3	-7	1.8	1.9	0.2
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-3	9	3	-3	0.0	0.4	0.7
-3	9	3	-2	5.6	5.7	0.1
-3	9	3	-1	1.3	0.8	0.7
-3	9	3	0	8.4	8.2	0.1
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0	9	3	-8	2.5	2.3	0.3
0	9	3	-6	0.8	0.4	0.7
0	9	3	-4	1.6	1.6	0.3
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-8	10	3	-9	2.4	2.0	0.2
-8	10	3	-8	3.7	3.6	0.2
-8	10	3	-7	0.8	0.3	0.6
-8	10	3	-6	0.7	0.6	0.6
-8	10	3	-5	4.2	4.3	0.1
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-8	10	3	-3	7.4	7.4	0.1
-8	10	3	-2	0.6	0.4	0.7
-8	10	3	-1	1.2	1.0	0.8
-8	10	3	0	3.8	4.5	0.5
-5	10	3	-10	1.4	1.5	0.8
-5	10	3	-9	0.8	0.3	0.7
-5	10	3	-8	2.7	2.8	0.2
-5	10	3	-7	2.0	1.8	0.2
-5	10	3	-6	2.7	2.8	0.2
-5	10	3	-5	0.5	0.6	0.6
-5	10	3	-4	0.5	0.6	0.6
-5	10	3	-3	0.8	0.4	0.6
-5	10	3	-2	0.0	0.7	0.7
-5	10	3	-1	2.1	2.2	0.3
-5	10	3	0	2.8	2.4	1.5
-2	10	3	-10	3.7	3.8	0.2
-2	10	3	-9	1.9	1.8	0.3
-2	10	3	-8	0.8	0.6	0.7
-2	10	3	-7	0.9	0.2	0.6
-2	10	3	-6	3.7	3.8	0.1
-2	10	3	-5	3.6	3.6	0.1
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-2	10	3	-3	5.5	5.5	0.1
-2	10	3	-2	1.0	0.5	0.7
-2	10	3	-1	1.6	0.9	0.4
-2	10	3	0	2.8	3.9	1.4
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-10	11	3	-8	1.3	0.7	0.8
-10	11	3	-7	2.4	2.1	0.2
-10	11	3	-6	0.9	0.6	0.7
-10	11	3	-5	2.3	2.1	0.2
-10	11	3	-4	3.7	3.6	0.1
-10	11	3	-3	0.0	0.5	0.7
-10	11	3	-2	3.3	3.1	0.2
-10	11	3	0	0.0	0.1	1.6
-7	11	3	-10	0.6	1.6	1.0
-7	11	3	-9	5.2	5.1	0.1
-7	11	3	-8	4.0	3.9	0.1

-7	11	3	-7	6.7	6.7	0.1
-7	11	3	-6	1.0	0.7	0.6
-7	11	3	-5	4.8	4.8	0.1
-7	11	3	-4	1.7	1.5	0.2
-7	11	3	-3	3.0	2.8	0.2
-7	11	3	-2	0.0	0.2	0.7
-7	11	3	-1	3.1	3.3	0.2
-7	11	3	0	0.0	1.0	1.6
-4	11	3	-10	0.4	0.8	1.0
-4	11	3	-9	1.2	1.0	0.8
-4	11	3	-8	3.6	3.7	0.1
-4	11	3	-7	0.8	0.8	0.6
-4	11	3	-6	2.6	2.5	0.1
-4	11	3	-5	1.3	1.0	0.3
-4	11	3	-4	3.1	3.0	0.1
-4	11	3	-3	1.6	0.9	0.3
-4	11	3	-2	1.2	0.8	0.7
-4	11	3	-1	0.5	0.5	0.7
-4	11	3	0	0.0	1.5	1.5
-1	11	3	-9	3.9	4.0	0.2
-1	11	3	-8	0.4	0.5	0.7
-1	11	3	-7	3.9	3.9	0.1
-1	11	3	-6	0.5	0.6	0.7
-1	11	3	-5	1.8	1.5	0.2
-1	11	3	-4	0.7	1.2	0.7
-1	11	3	-3	0.0	0.5	0.7
-1	11	3	-2	4.0	3.7	0.2
-1	11	3	0	0.9	0.2	1.5
-12	12	3	-8	2.0	2.2	1.3
-12	12	3	-6	3.0	2.8	0.3
-12	12	3	-4	6.1	6.2	0.1
-12	12	3	0	2.4	0.3	2.0
-9	12	3	-9	2.2	2.2	0.3
-9	12	3	-8	1.3	1.3	0.8
-9	12	3	-7	1.5	1.4	0.3
-9	12	3	-6	3.1	3.0	0.1
-9	12	3	-5	1.5	1.4	0.3
-9	12	3	-4	1.4	1.2	0.3
-9	12	3	-3	1.4	1.4	0.7
-9	12	3	-2	2.7	3.0	0.2
-9	12	3	0	1.9	3.4	1.5
-6	12	3	-9	2.3	2.1	0.2
-6	12	3	-8	1.9	1.8	0.3
-6	12	3	-7	2.7	2.5	0.2
-6	12	3	-6	2.4	2.3	0.2
-6	12	3	-5	1.3	1.5	0.3
-6	12	3	-4	6.6	6.5	0.1
-6	12	3	-3	0.0	0.7	0.7
-6	12	3	-2	6.8	6.8	0.1
-6	12	3	0	1.1	0.7	1.5
-3	12	3	-9	1.0	0.9	0.8
-3	12	3	-8	3.0	3.1	0.2
-3	12	3	-7	1.1	0.6	0.7
-3	12	3	-6	1.6	1.5	0.3
-3	12	3	-5	0.5	0.6	0.6
-3	12	3	-4	0.0	0.3	0.7
-3	12	3	-3	0.8	0.3	0.8
-3	12	3	-2	2.2	2.2	0.3
-3	12	3	0	3.5	3.4	0.7
0	12	3	-8	1.8	2.0	1.1
0	12	3	-6	2.5	2.5	0.3
0	12	3	-4	3.6	3.6	0.2
0	12	3	0	0.0	0.1	1.9
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-11	13	3	-6	5.1	5.1	0.1
-11	13	3	-5	3.3	3.2	0.2
-11	13	3	-4	1.1	1.1	0.7
-11	13	3	-3	2.4	2.4	0.3
-11	13	3	0	0.0	0.7	1.6
-8	13	3	-8	1.9	1.8	0.3
-8	13	3	-7	0.7	0.6	0.7
-8	13	3	-6	2.2	2.2	0.2
-8	13	3	-5	1.5	1.5	0.3
-8	13	3	-4	1.3	0.9	0.7
-8	13	3	-3	0.3	0.3	0.7
-8	13	3	-2	3.8	3.7	0.2
-8	13	3	0	2.5	2.5	1.4
-5	13	3	-8	5.4	5.4	0.1
-5	13	3	-7	2.4	2.4	0.2
-5	13	3	-6	4.2	4.1	0.1
-5	13	3	-5	1.0	0.9	0.6
-5	13	3	-4	2.9	2.5	0.2
-5	13	3	-3	1.1	1.0	0.7

-5	13	3	-2	2.4	2.2	0.3
-5	13	3	0	0.3	1.5	1.6
-2	13	3	-7	0.0	0.2	0.7
-2	13	3	-6	0.0	0.3	0.7
-2	13	3	-5	0.0	0.5	0.7
-2	13	3	-4	0.4	0.3	0.7
-2	13	3	-3	2.0	2.0	0.3
-2	13	3	0	3.0	2.7	1.6
-10	14	3	-7	2.8	2.6	0.2
-10	14	3	-6	2.2	2.0	0.2
-10	14	3	-5	4.3	4.4	0.1
-10	14	3	-4	0.7	0.6	0.8
-7	14	3	-7	3.2	3.2	0.2
-7	14	3	-6	0.8	1.1	0.7
-7	14	3	-5	1.5	1.8	0.3
-7	14	3	-4	1.1	0.8	0.7
-7	14	3	-3	0.6	0.4	0.8
-7	14	3	0	1.9	0.6	1.6
-4	14	3	-7	2.9	2.7	0.2
-4	14	3	-6	1.9	1.8	0.3
-4	14	3	-5	3.5	3.7	0.2
-4	14	3	-4	2.0	2.0	0.3
-1	1	4	-10	0.6	0.6	0.7
-1	1	4	-8	2.3	2.3	0.3
-1	1	4	-6	0.7	0.7	0.7
-1	1	4	-4	2.5	2.5	0.2
-1	1	4	-2	1.2	1.1	0.7
-1	1	4	0	4.1	4.3	0.7
0	2	4	-10	1.0	0.7	0.7
0	2	4	-8	5.9	6.3	0.1
0	2	4	-6	0.7	0.7	0.7
0	2	4	-4	2.3	2.2	0.2
0	2	4	-2	4.4	4.6	0.2
0	2	4	0	2.7	2.2	1.7
-2	3	4	-11	3.3	3.4	0.1
-2	3	4	-10	3.3	3.3	0.1
-2	3	4	-9	5.5	5.7	0.1
-2	3	4	-8	1.1	1.4	0.6
-2	3	4	-7	2.2	2.5	0.2
-2	3	4	-5	2.9	2.9	0.2
-2	3	4	-4	0.5	0.5	0.6
-2	3	4	-3	4.3	4.3	0.1
-2	3	4	-2	6.5	6.5	0.1
-2	3	4	-1	1.3	1.2	0.8
-2	3	4	0	0.0	0.9	1.5
-4	4	4	-10	4.4	4.6	0.1
-4	4	4	-8	7.7	7.9	0.1
-4	4	4	-6	2.6	2.5	0.2
-4	4	4	-4	2.5	2.5	0.2
-4	4	4	-2	6.1	6.0	0.1
-4	4	4	0	2.8	1.0	1.6
-1	4	4	-11	2.9	2.9	0.2
-1	4	4	-10	6.8	7.0	0.1
-1	4	4	-9	4.4	4.4	0.1
-1	4	4	-8	1.3	1.0	0.3
-1	4	4	-6	9.3	9.5	0.1
-1	4	4	-5	4.5	4.4	0.1
-1	4	4	-4	0.8	0.4	0.6
-1	4	4	-3	1.3	1.5	0.7
-1	4	4	-2	8.9	8.9	0.1
-1	4	4	-1	0.7	0.6	0.8
-1	4	4	0	0.0	0.9	1.4
-3	5	4	-11	0.8	1.1	0.7
-3	5	4	-10	4.7	4.7	0.1
-3	5	4	-9	1.1	1.1	0.6
-3	5	4	-8	4.5	4.5	0.1
-3	5	4	-7	2.7	2.7	0.1
-3	5	4	-6	8.2	8.3	0.1
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-3	5	4	-4	0.4	0.4	0.5
-3	5	4	-3	2.4	2.5	0.2
-3	5	4	-2	4.8	4.7	0.1
-3	5	4	-1	1.8	1.6	0.4
-3	5	4	0	0.0	0.8	1.5
0	5	4	-10	8.5	8.7	0.1
0	5	4	-8	9.3	9.3	0.1
0	5	4	-6	3.2	3.0	0.2
0	5	4	-4	7.2	7.4	0.1
0	5	4	-2	1.9	1.6	0.4
0	5	4	0	3.2	2.9	1.8
-5	6	4	-11	3.9	4.1	0.1
-5	6	4	-10	1.6	1.8	0.2
-5	6	4	-9	6.2	6.1	0.1

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-5	6	4	-7	7.0	7.0	0.1
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-2	6	4	-3	1.8	1.7	0.3
-2	6	4	-2	2.8	2.6	0.2
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-7	7	4	-6	7.5	7.8	0.1
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-7	7	4	0	1.3	1.2	1.5
-4	7	4	-11	2.7	2.9	0.2
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-4	7	4	0	0.0	2.5	1.6
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-1	7	4	-9	8.9	9.1	0.1
-1	7	4	-8	7.2	7.3	0.1
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-1	7	4	-5	5.8	5.9	0.1
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-1	7	4	-3	2.0	2.0	0.3
-1	7	4	-2	1.3	1.6	0.8
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-6	8	4	-11	1.2	1.1	0.7
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-8	9	4	-7	1.1	0.7	0.6

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-5	9	4	-8	4.8	4.8	0.1
-5	9	4	-7	5.6	5.7	0.1
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-2	9	4	-7	5.3	5.3	0.1
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-1	10	4	-10	6.3	6.4	0.1
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-9	11	4	-10	1.0	1.1	0.7
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-7	9	5	-4	3.4	3.4	0.2
-4	9	5	-4	3.1	3.0	0.2
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