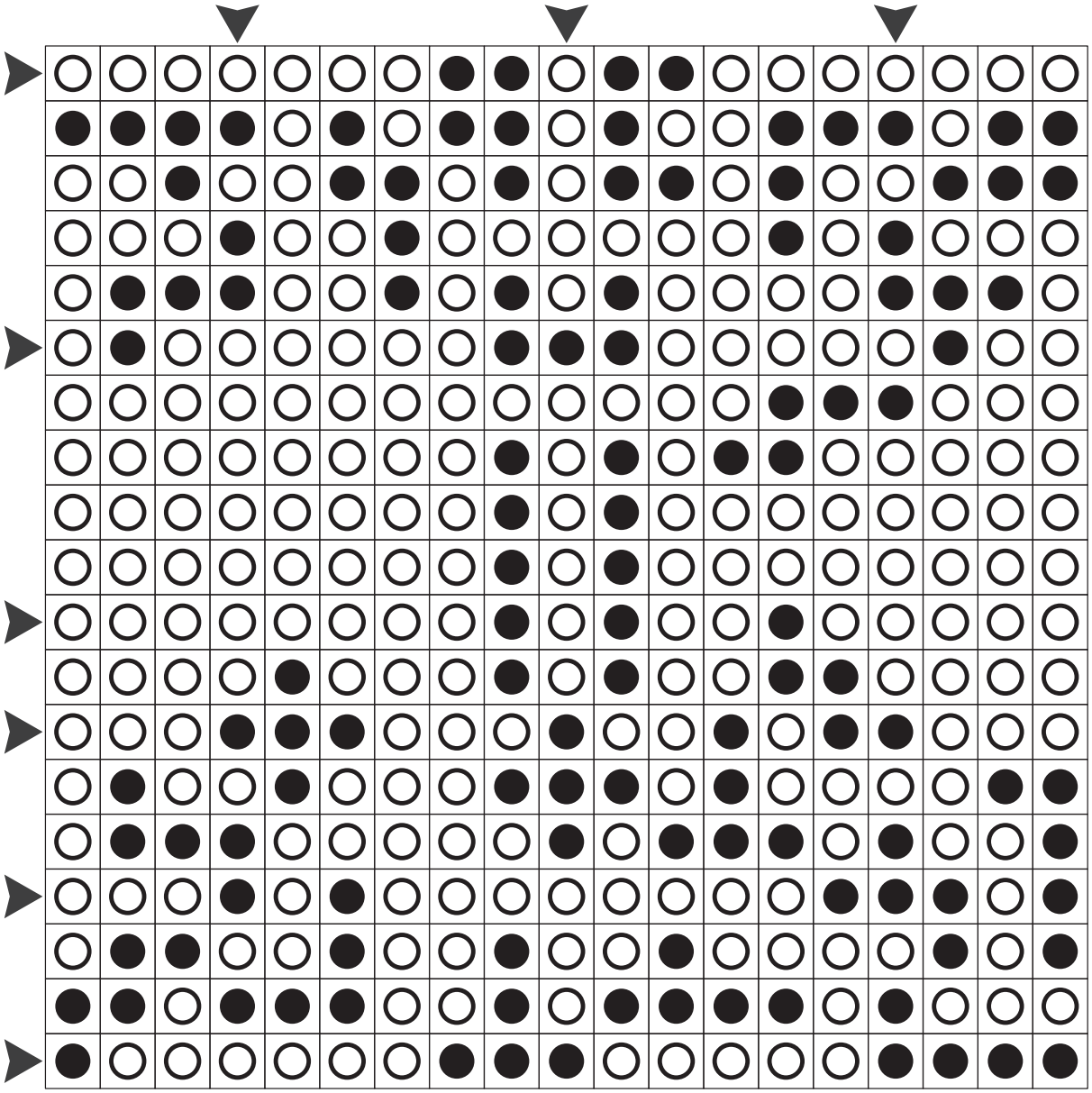
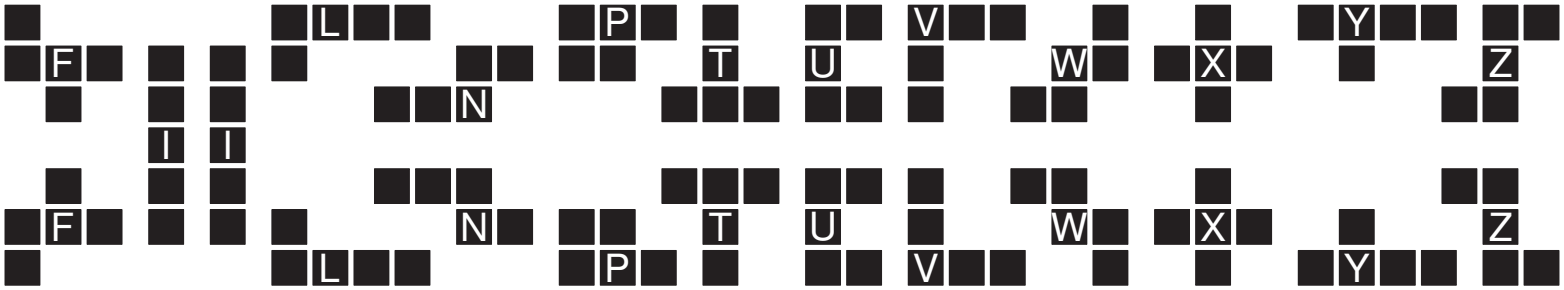
STATUE PARK

Place each of the shapes from the given bank of shapes exactly once into the grid, with rotations and reflections allowed. No two shapes can overlap or be orthogonally adjacent, and all of the space not occupied by shapes must be connected. Black circles in the grid represent spaces that must be contained in one of the shapes, and white circles represent spaces that must not be contained in a shape.

This puzzle uses 2 sets of standard pentominos.

*Answer key 1: Enter the first **three** pentominos seen along the marked rows. (– if not enough pentominos).*
*Answer key 2: Enter the first **three** pentominos seen along the marked columns. (– if not enough pentominos).*





BY PRASANNA SESHADRI FOR PUZZLE MARATHON AT LOGIC MASTERS INDIA

FILLOMINO

Divide the grid along the dotted lines into regions called polyominoes so that no two polyominoes with the same area share an edge. Inside some cells are numbers; each number must represent the area of the polyomino it belongs to. A polyomino may contain zero, one, or more of the given numbers.

Ignore the circles while solving.

Answer key: Enter the digits in circled cells from left to right. In case of double or triple digit numbers, enter only the unit (right most) digit.

20	20	15	15	15	15	15	4	4	4	3	3	3	20	20	20	2	2	4	4
20	3	5	5	5	5	15	15	4	1	2	2	20	20	3	20	20	20	15	4
20	3	3	5	4	4	5	15	15	15	15	20	20	1	3	5	2	2	15	4
20	20	20	2	4	4	5	5	5	5	15	20	2	2	3	5	5	15	15	15
1	5	20	2	15	1	20	20	20	15	15	20	3	3	4	5	5	15	1	15
3	5	20	1	15	15	15	15	20	15	20	20	3	4	4	4	1	15	9	10
3	5	20	2	3	4	5	15	20	1	20	5	5	5	6	7	8	15	9	10
3	5	20	2	3	4	5	15	20	3	20	5	6	6	6	7	8	15	9	10
20	5	20	20	3	4	5	15	20	3	20	5	6	7	7	7	8	15	9	10
20	20	20	20	20	4	5	15	20	3	20	20	6	7	8	8	8	15	9	10
20	1	2	2	15	15	5	15	20	4	5	20	5	7	8	15	15	15	9	10
5	20	20	20	20	15	15	15	20	4	5	5	5	6	8	1	9	9	9	10
5	20	11	11	20	20	20	20	20	4	4	6	6	6	6	3	3	10	10	10
5	5	4	11	11	11	8	8	8	5	5	5	5	5	6	1	3	7	7	7
1	5	4	11	3	2	2	8	8	8	4	4	4	4	2	7	7	7	1	7
3	4	4	11	3	3	4	6	6	8	8	3	3	3	2	1	20	20	4	6
3	3	11	11	2	4	4	8	6	4	20	20	20	20	20	20	1	20	4	6
4	11	11	1	2	3	4	8	6	4	4	20	3	3	2	1	20	20	4	6
4	1	2	2	1	3	3	8	6	6	4	20	20	3	2	20	20	1	4	6
4	4	3	3	3	8	8	8	8	8	2	2	20	20	20	20	2	2	6	6

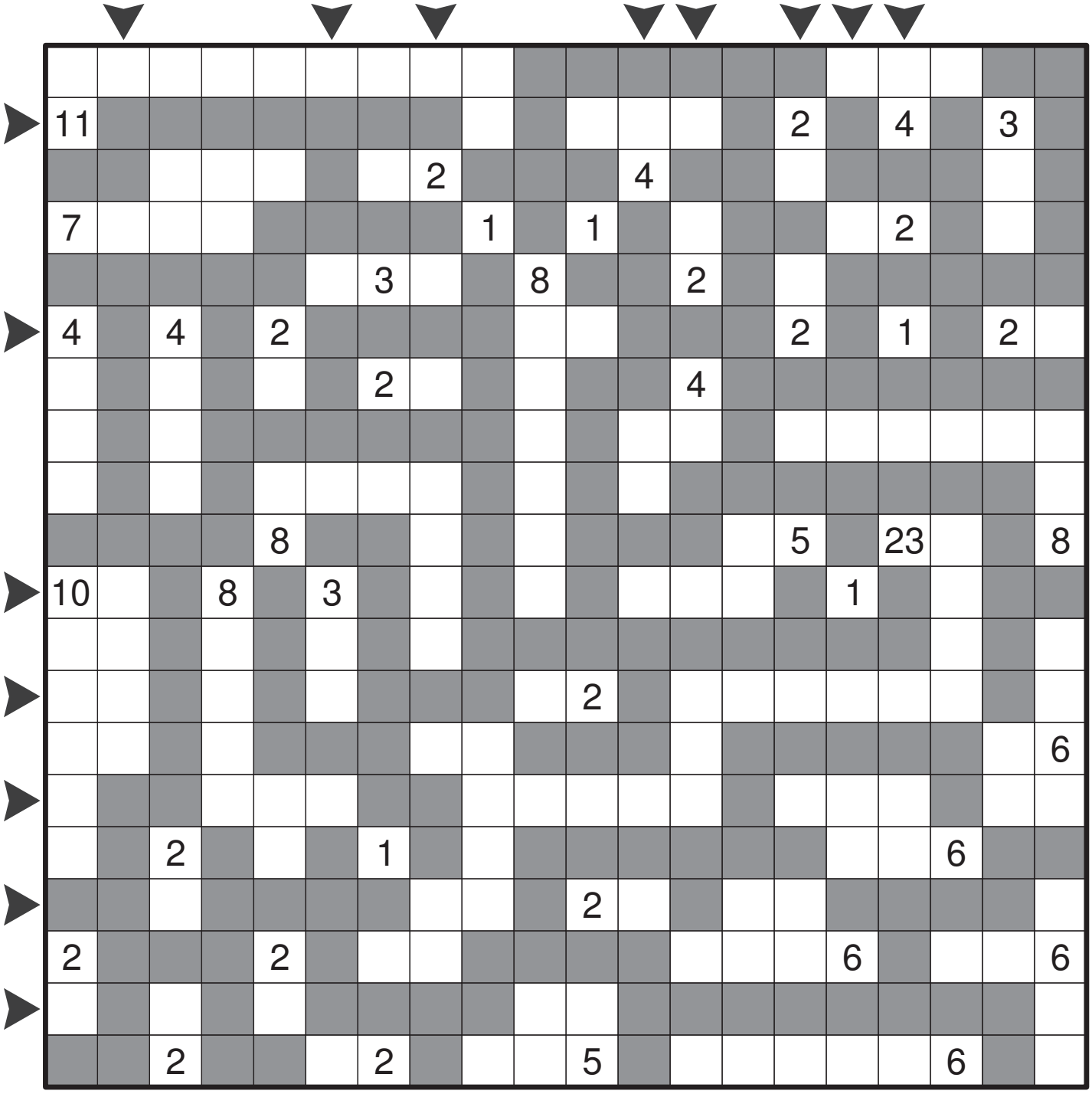
5	5	1	0	5	8	4	8	5	1	4	0	5	6	4	0	9	5	9	0

BY FRED COUGHLIN FOR PUZZLE MARATHON AT LOGIC MASTERS INDIA

NURIKABE

Shade some empty cells black so that the grid is divided into white areas, each containing exactly one number and with the same area in cells as that number. Two white areas may only touch diagonally. All black cells must be connected with each other, but no 2×2 group of cells can be entirely shaded black.

Answer key 1 : Enter the lengths of longest horizontal shaded cell block for the marked rows
Answer key 2 : Enter the lengths of longest vertical shaded cell block for the marked columns
In case of double digit numbers, enter only the unit (right most) digit.



MEANDERING NUMBERS

Place a number into each empty cell so that each cell has exactly one number and cells that contain the same number do not touch each other, not even diagonally. Each outlined area must contain the numbers from 1 to N (where N is the size of the outlined area in cells) such that consecutive numbers within an outlined area are orthogonally adjacent. (In other words, for each region it must be possible to draw a path that starts at 1 and ends at N, going through each other cell exactly once and in numerically increasing order.)

Shading is for visual / aesthetic appeal only. Ignore shading and the circles while solving.

Answer key: Enter the digits in circled cells from left to right. In case of double digit numbers, enter only the unit (right most) digit.

4	3	1	2	3	4	5	1	2	1	2	1	2	3	2	3
1	2	4	5	6	7	6	7	3	6	3	6	5	4	1	4
4	5	3	2	1	8	9	5	4	5	4	2	3	2	3	5
3	6	1	4	6	3	2	6	1	2	3	1	4	1	4	6
2	7	2	3	5	4	1	7	8	5	4	5	4	6	5	7
1	8	9	1	2	3	2	3	4	6	7	3	4	2	1	8
4	6	7	6	5	4	1	6	5	2	1	2	1	3	10	9
3	5	8	3	2	3	2	4	1	3	6	4	5	4	5	1
2	4	9	4	1	4	1	3	2	4	5	3	2	1	6	2
1	3	10	3	2	5	6	4	5	6	2	1	6	8	7	3
10	2	1	4	1	3	2	3	2	1	3	4	5	3	2	1
9	8	7	5	6	4	1	5	8	4	5	6	2	1	5	4
2	3	6	2	1	5	6	4	7	3	2	1	3	4	2	3
1	4	5	3	4	2	1	3	6	1	5	6	7	8	1	9
2	3	1	2	5	3	4	2	5	2	4	3	5	6	7	8
1	4	5	3	4	6	5	1	4	3	1	2	4	3	2	1

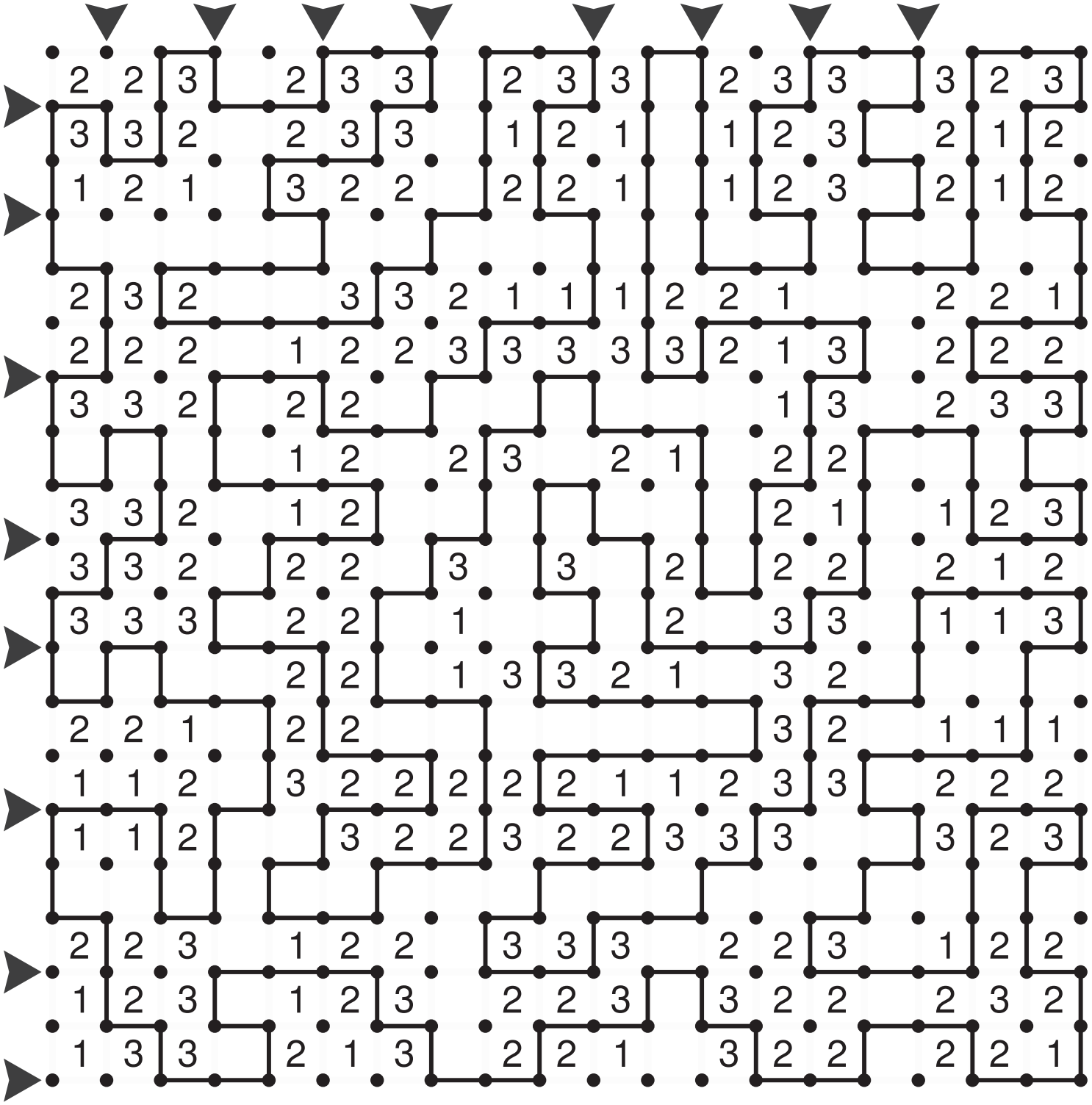
2 3 9 3 1 3 4 4 2 6 2 4 4 1 3 3

BY KO OKAMOTO FOR PUZZLE MARATHON AT LOGIC MASTERS INDIA

TURNING FENCES

Draw a closed loop by connecting dots horizontally and vertically. The numbers in the grid indicate the amount of turns taken on the four dots around it.

Answer key 1: Enter the lengths of the longest horizontal loop segment for the marked rows. ("-" if no horizontal loop segment)
Answer key 2: Enter the lengths of the longest vertical loop segment for the marked columns ("-" if no vertical loop segment)
In case of double digit numbers, enter only the unit (right most) digit.

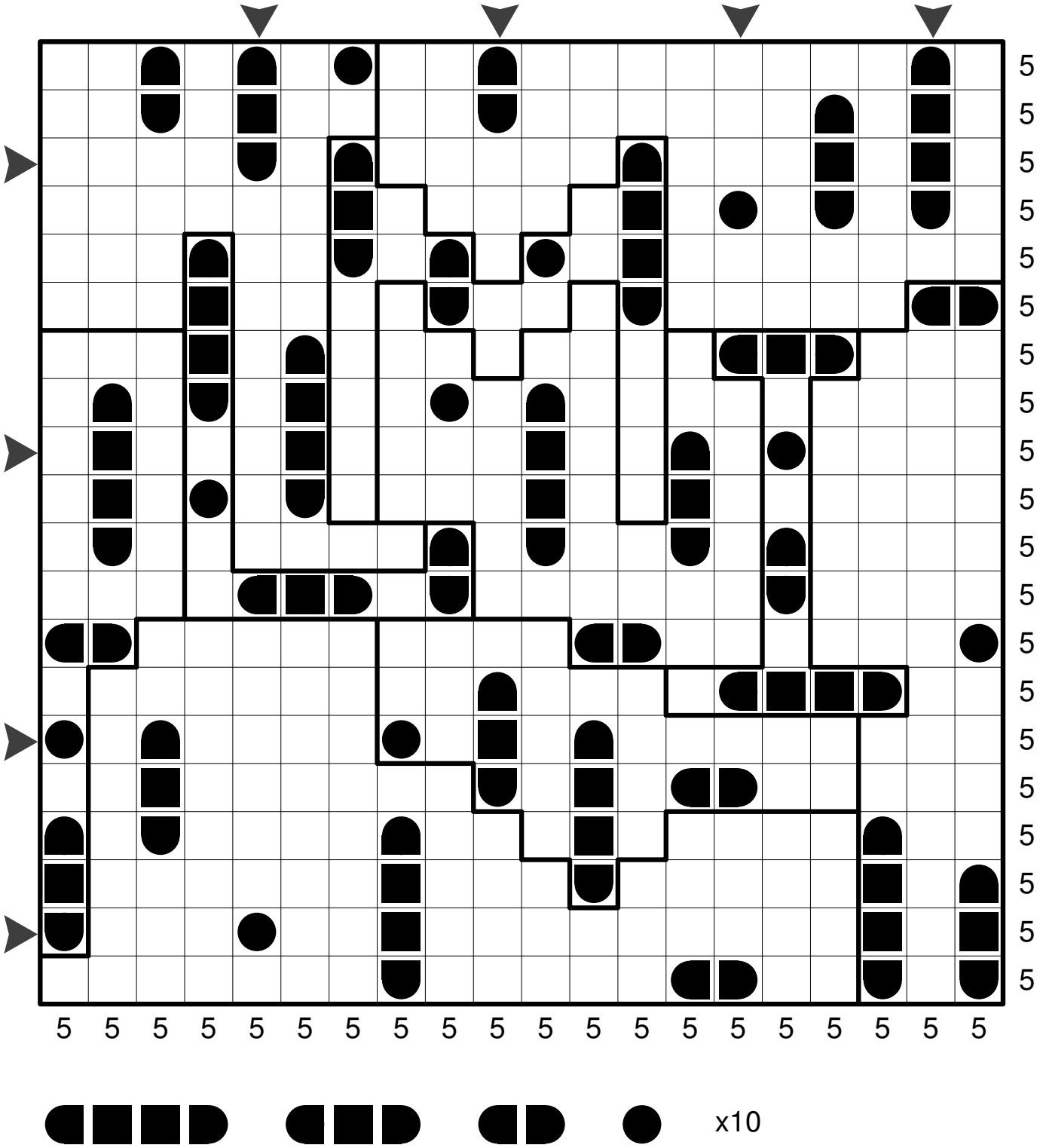


BY MATEJ UHER FOR PUZZLE MARATHON AT LOGIC MASTERS INDIA

REGIONAL BATTLESHIPS

Place one copy of the fleet shown inside each black-edged region of the grid. The ships do not touch, not even diagonally, and cannot cross the boundaries of the regions. The number of ship segments in each row and column is indicated outside the grid. Some ship segments may be already placed.

Answer key 1: Enter the lengths of the first 3 consecutive groups of unoccupied cells for the marked rows (from left to right). Enter "-" if less than 3 groups.
Answer key 2: Enter the lengths of the first 3 consecutive groups of unoccupied cells for the marked columns (from top to bottom). Enter "-" if less than 3 groups.
In case of double digit numbers, enter only the unit (right most) digit.



BY DENIS AUROUX FOR PUZZLE MARATHON AT LOGIC MASTERS INDIA

REGIONAL CODED SNAKE

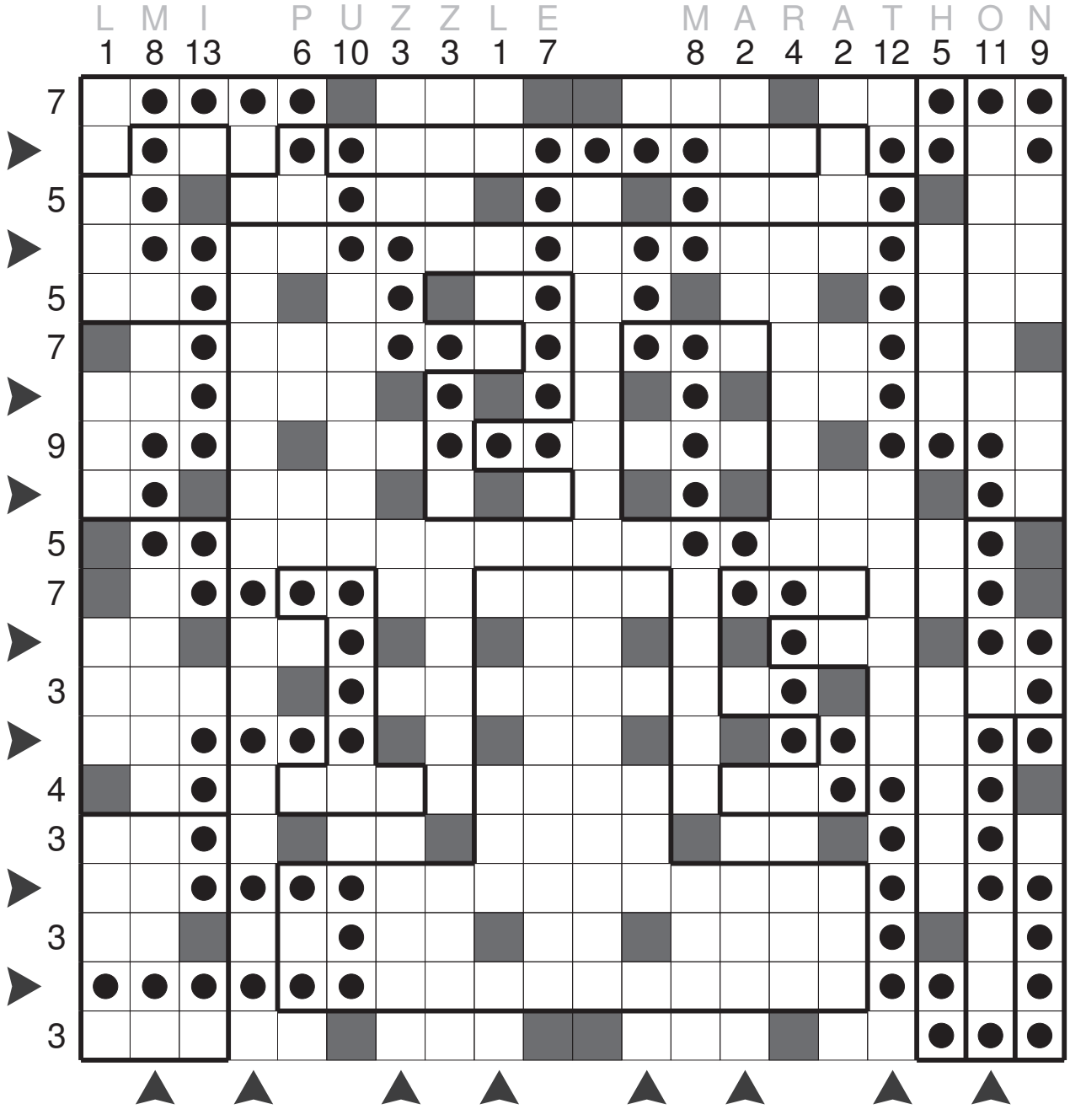
Find a snake which forms a single continuous path from the head to the tail. The head and tail of the snake are marked with black circles. Adjacent cells of the snake are connected horizontally or vertically. The snake has one cell width and cannot touch itself even at a point.

In the grid, there are some regions surrounded by thick lines. Each of these regions MUST contain exactly 5 segments of the snake. There are also some cells which do not belong to any region as they are not surrounded by thick lines on all sides.

Each of the alphabets at the top represents the code for a different number from 1 to 13. Same alphabet indicates the same number and different alphabets indicates different numbers. The alphabets indicate the number of snake segments in the particular column. The numbers on the left indicate the number of snake segments in the particular row.

Some cells are already grayed. These cells cannot form part of the snake.

Answer key 1: # of cells occupied by the snake in the marked rows.
Answer key 2: # of cells occupied by the snake in the marked columns.
In case of double digit numbers, enter only the unit (right most) digit.

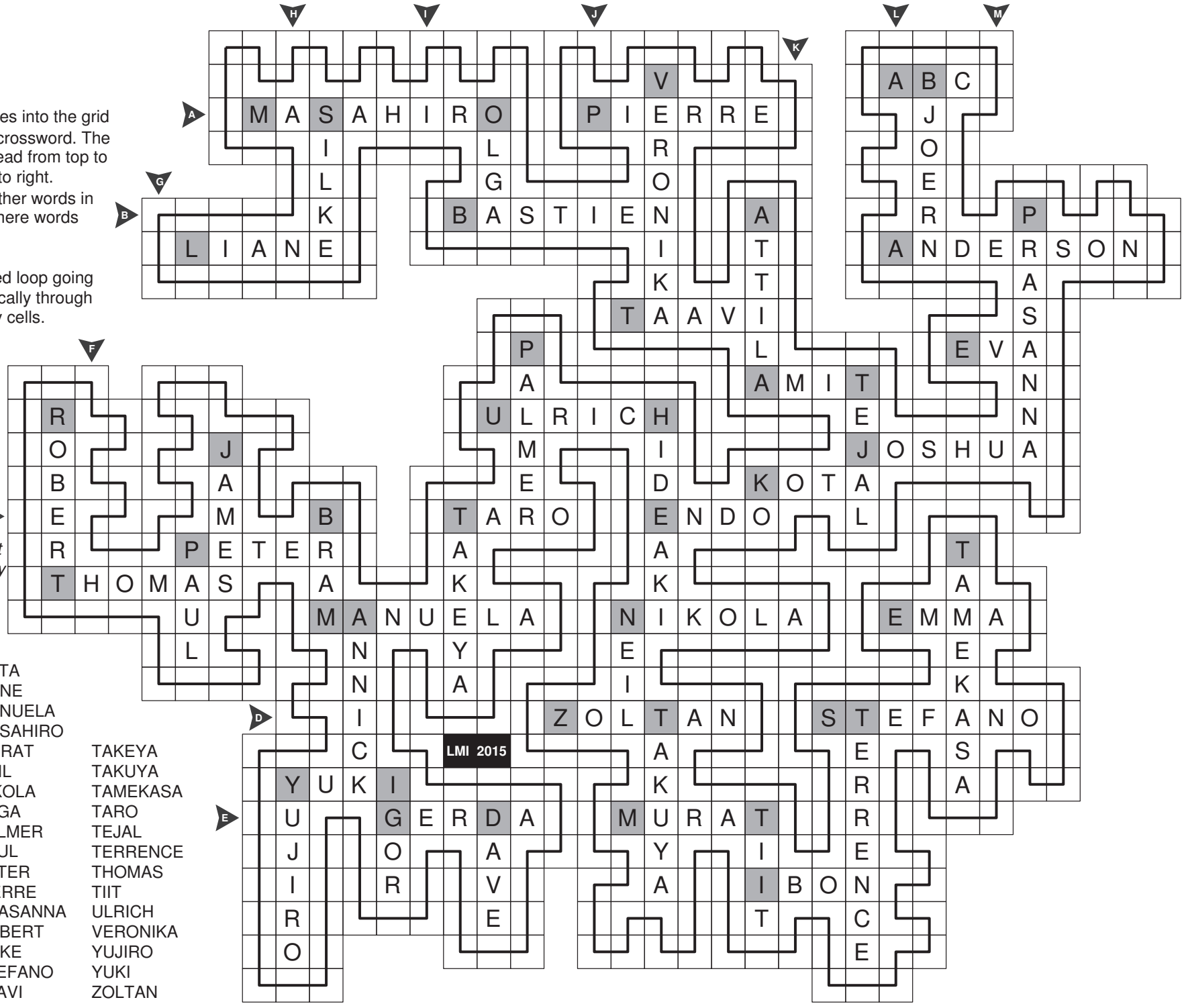


BY ASHISH KUMAR FOR PUZZLE MARATHON AT LOGIC MASTERS INDIA

Write all given names into the grid to form connected crossword. The names should be read from top to bottom or from left to right.
There can not be other words in the grid. All cells where words begin are marked.

Draw a single closed loop going horizontally or vertically through centres of all empty cells.

Answer Key 1 :
Enter the letters in the shaded cells for the marked rows.
Answer Key 2 :
Enter the number of turns of the loop, for marked columns.
In case double digit numbers, enter only the unit digit.



ABC
AMIT
ANDERSON
ANNICK
ATTILA
BASTIEN
BJOERN
BRAM
DAVE
EMMA
ENDO
EVA
GERDA
HIDEAKI
IBON
IGOR
JAMES
JOSHUA
KO
KOTA
LIANE
MANUELA
MASAHIRO
MURAT
NEIL
NIKOLA
OLGA
PALMER
PAUL
PETER
PIERRE
PRASANNA
ROBERT
SILKE
STEFANO
TAAVI
TAKEYA
TAKUYA
TAMEKASA
TARO
TEJAL
TERRENCE
THOMAS
TIIT
ULRICH
VERONIKA
YUJIRO
YUKI
ZOLTAN

SCRABBLE WITH LOOP – BY RIAD KHANMAGOMEDOV FOR PUZZLE MARATHON AT LOGIC MASTERS INDIA

HIDOKU

Write a different number between 1 and 400 into every cell of the diagram, using each number exactly once. Consecutive numbers must be in orthogonally or diagonally adjacent cells.

Ignore the circles while solving.

Answer key: Enter the digits in circled cells from left to right. In case of double or triple digit numbers, enter only the unit (right most) digit.

185	186	195	196	193	200	201	202	231	230	229	228	227	225	224	219	32	33	34	35
184	375	187	194	197	192	199	232	203	256	255	365	226	223	220	31	218	29	37	36
183	376	374	188	191	198	233	258	257	204	366	254	364	209	222	221	30	217	28	38
182	173	377	373	189	190	259	234	368	367	205	253	208	363	210	212	213	216	27	39
172	181	174	378	372	260	370	369	235	271	206	207	252	251	362	211	214	215	40	26
171	175	180	179	379	371	261	104	270	236	272	240	241	242	250	361	23	24	25	41
170	168	176	380	178	262	105	269	103	237	239	273	276	277	243	249	360	22	42	43
169	167	381	177	263	106	268	59	60	102	238	275	274	244	278	248	21	359	46	44
87	382	166	165	107	264	267	58	57	61	101	100	245	279	247	19	20	47	358	45
86	88	383	164	108	94	265	266	62	56	99	337	280	246	18	17	49	48	355	357
89	85	163	384	93	109	95	96	63	98	55	336	338	281	282	50	16	354	14	356
84	90	162	92	385	76	110	74	97	64	335	54	53	339	51	283	353	15	399	13
83	157	91	161	77	386	75	111	73	65	66	334	348	52	340	352	284	398	12	400
156	82	158	78	160	129	387	72	112	67	333	347	349	341	351	285	397	11	2	3
155	81	79	159	128	130	71	388	68	113	332	346	342	350	286	396	10	1	6	4
154	80	144	127	126	131	70	69	389	331	114	343	345	287	395	9	306	7	304	5
153	145	143	125	135	134	132	329	330	390	115	344	319	394	288	307	8	305	301	303
146	152	142	136	124	133	122	328	326	116	391	320	393	318	308	289	290	300	292	302
151	147	148	141	137	123	121	327	117	325	321	392	317	314	309	311	299	291	296	293
150	149	140	139	138	120	119	118	324	323	322	316	315	313	312	310	298	297	295	294

7	5	4	4	4	6	1	8	3	0	6	0	9	3	0	9	0	0	8	0

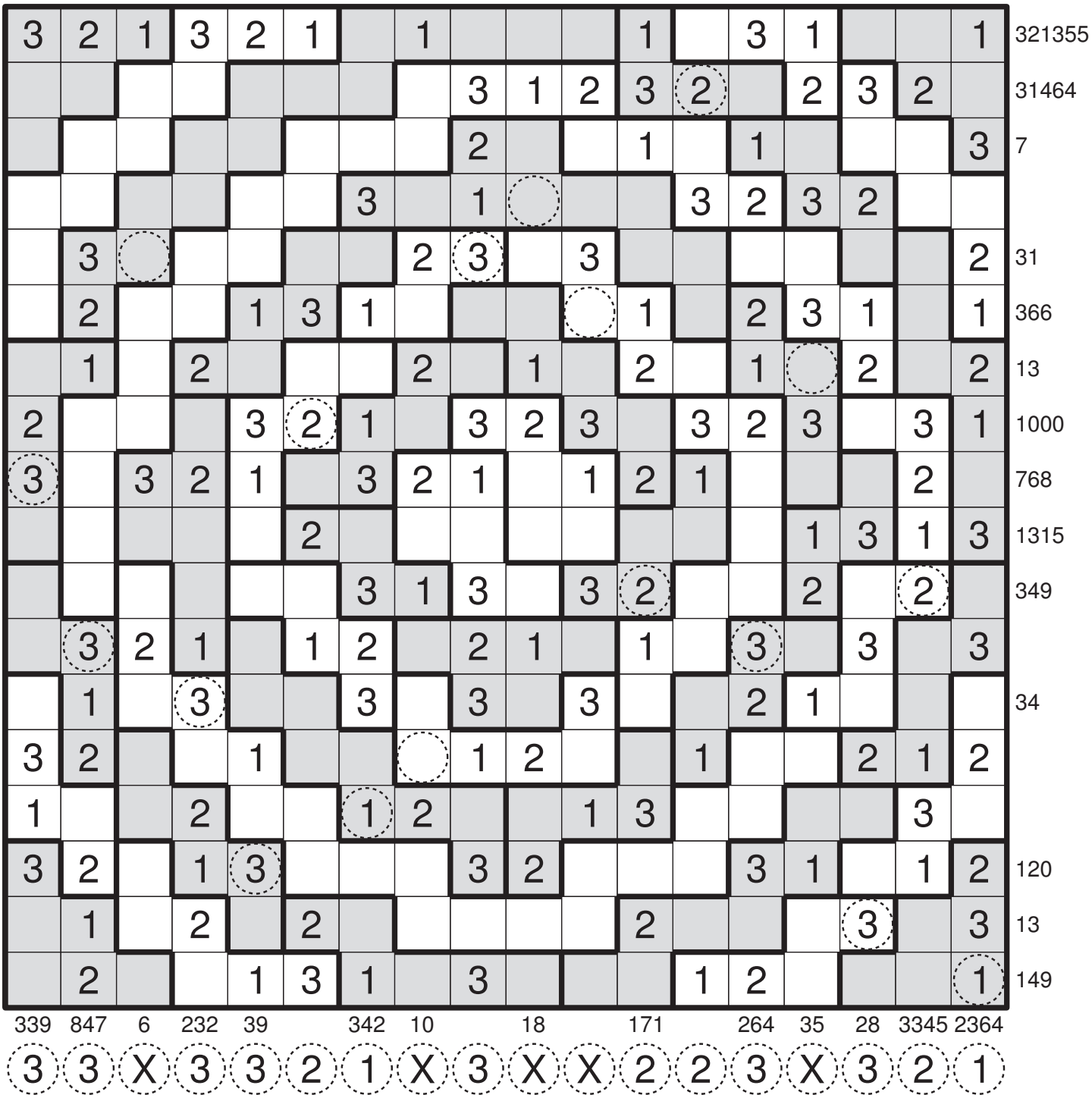
BY JAMES MCGOWAN FOR PUZZLE MARATHON AT LOGIC MASTERS INDIA

SUMMON

Fill the grid digits from 1 to 3, so that each region includes all digits exactly once. Same digits cannot touch each other, even diagonally. Outside clues show the sum of all numbers in the corresponding direction. Numbers should be read from left to right or top to bottom.

Shading is for visual / aesthetic appeal only. Ignore shading and the circles while solving.

Answer key: Enter the digits in circled cells from left to right. Enter X for blank cells.



BY ROBERT VOLLMERT FOR PUZZLE MARATHON AT LOGIC MASTERS INDIA