



# WPF PUZZLE GP 2017 SOLUTION BOOKLET

A1-3. **Slitherlink** [Nikola Živanović] (12, 25, 21 points)

A4-5. **Easy As...** [Čedomir Milanović] (7, 28 points)

	A	B	C	B	
4a →	A	B	C		
	B	C	A		
4b →	C	C	A	B	
			C	B	A
			B	A	C
	C	A	A	C	

	A	D	B	D			
5a →	A	A	C	B	D		
	B	B	D	A	C	C	
		C	B	A	D	D	
5b →	A	A	D		C	B	
	C	C	B	A	D	D	
	D		C	B		A	A
		B	C				

A6-8. **Recto** [Zoran Tanasić] (10, 21, 39 points)

6 → (9) (6) (7) (4) (8)

7 → (5) (6) (5) (6) (6) (6) (5)

8 → (8) (3) (7) (6) (7) (7)







### B9-10. Ripple Effect [Zoran Tanasić] (72, 58 points)

10a →

1	2	4	1	2	3	1	2	1	5
4	6	1	3	5	4	2	3	6	2
3	1	5	2	3	1	4	1	2	3
6	2	3	4	2	5	3	2	1	4
1	3	2	1	4	1	2	1	3	1

10b →

9a →

3	2	1	4	2	3	1	6	2
1	4	3	2	1	5	4	2	1
5	1	2	3	4	2	1	5	3
2	3	1	5	2	1	3	1	4
3	1	4	2	5	3	2	4	1
1	2	3	4	1	2	6	1	2

9b →

### B11. All or One [Zoran Tanasić] (47 points)

11a →

2	1	3	2	1	3	1	2	3
1	2	2	3	2	2	2	1	2
1	3	2	1	1	1	3	2	3
1	3	3	2	3	2	1	3	3
3	2	1	3	1	3	2	1	2
2	1	3	2	2	1	3	2	3
1	3	3	1	2	3	1	3	1
3	2	1	1	3	3	2	1	2
2	1	3	2	2	2	3	2	2

11b →

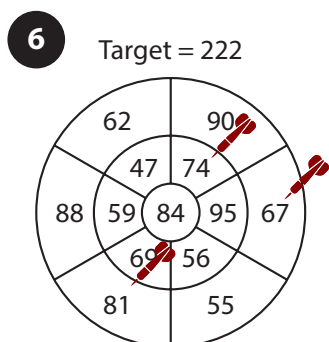
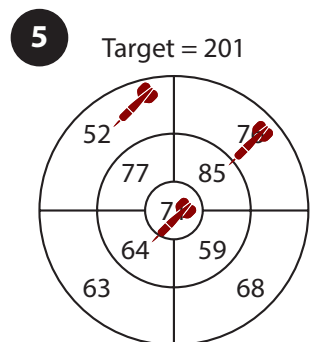
### \*C1-3. Fill in the Blank [Čedomir Milanović] (2, 8, 13 points)

- 1 1, 3, 6, 11, 18, 29, **42, 59**  
+2 +3 +5 +7 +11 +13 +17 (primes)
- 2 7, 41, 12, 82, 53, 24, 94, **65, 36**  
7 14 21 28 35 42 49 56 63
- 3 2, 4, 2, 4, -4, 16, 8, 64, 32, **1024, 896**  
2x2 2x2 -4x-4 8x8 32x32 (squares)  
 2 6 8 12 8 24 32 96 128 (partial sums)  
 4-2 4-8 16-8 64-32 1024-128

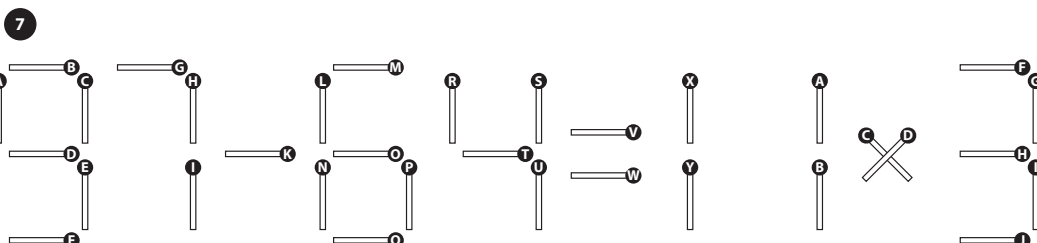
alternate answer:

- 2, 4, 2, 4, -4, 16, 8, 64, 32, **1024, -256**  
2x2 2x2 -4x-4 8x8 32x32 (squares)  
 -(2x2) -(2x-4) -(-4x8) -(8x32)

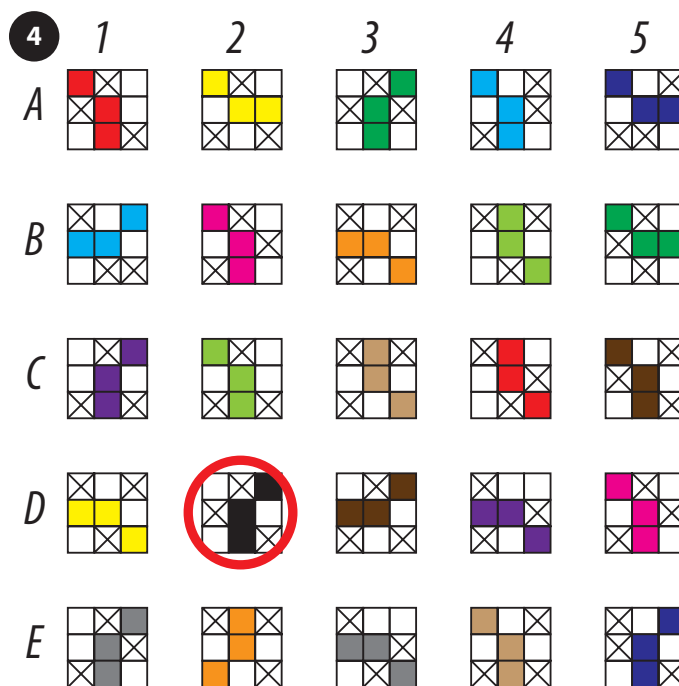
### C5-6. Darts [Čedomir Milanović] (6, 15 points)



### C7. Matches [Čedomir Milanović] (13 points)



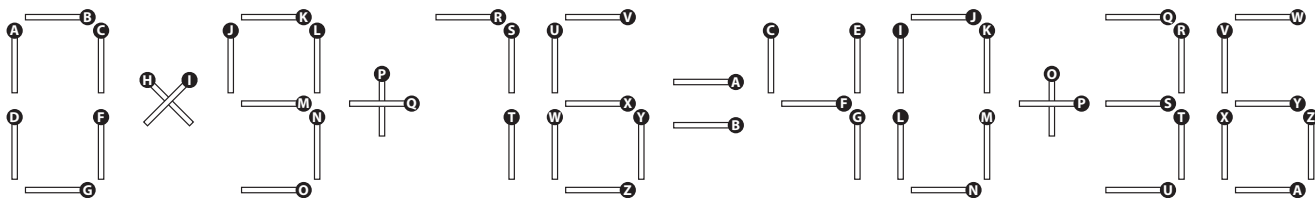
### C4. Old Maid [Čedomir Milanović] (13 points)



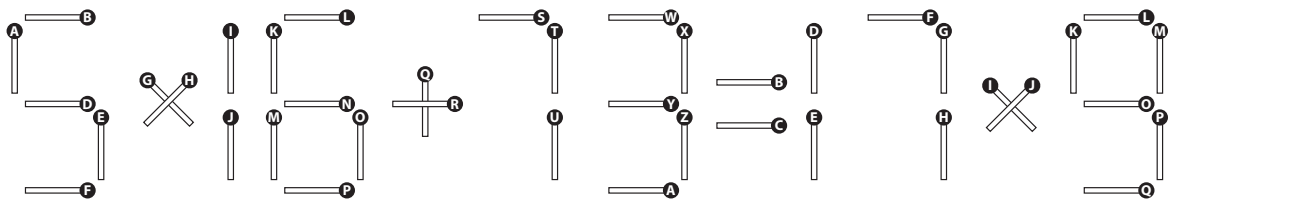


C8-9. Matches [Čedomir Milanović] (20, 32 points)

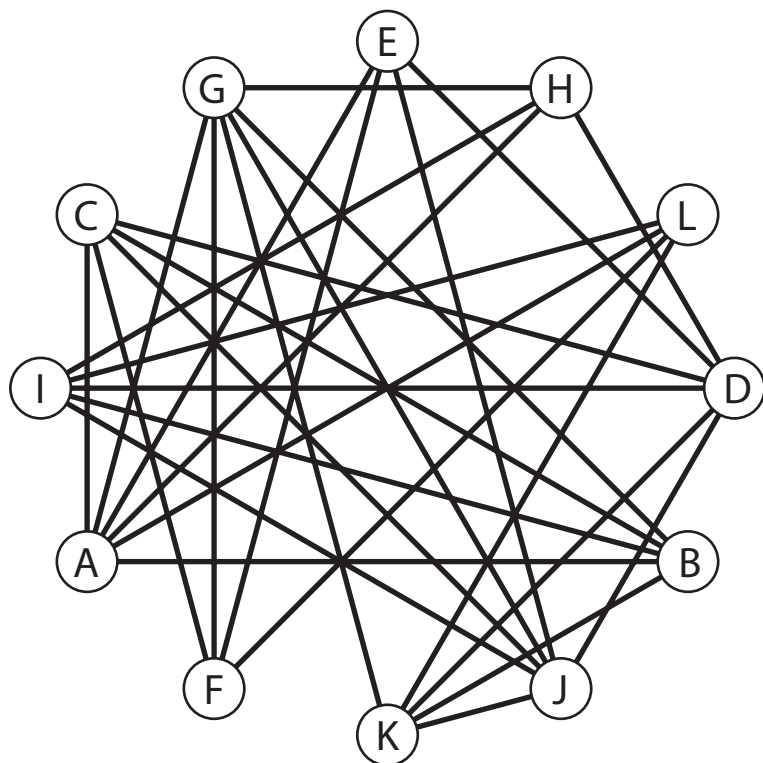
8



9



C10. Elastic Bands [Čedomir Milanović] (30 points)



C11-12. Arithmetic Square [Čedomir Milanović] (15, 25 points)

11a → 
$$\begin{array}{r} \boxed{2} - \boxed{8} + \boxed{7} = 1 \\ + \quad + \quad + \end{array}$$

11b → 
$$\begin{array}{r} \boxed{4} + \boxed{6} \div \boxed{5} = 2 \\ + \quad + \quad + \end{array}$$

11c → 
$$\begin{array}{r} \boxed{9} \div \boxed{1} \div \boxed{3} = 3 \\ = \quad = \quad = \\ 15 \quad 15 \quad 15 \end{array}$$

12a → 
$$\begin{array}{r} \boxed{7} \times \boxed{3} - \boxed{9} = 12 \\ - \quad + \quad + \end{array}$$

12b → 
$$\begin{array}{r} \boxed{2} \times \boxed{4} + \boxed{5} = 13 \\ + \quad + \quad - \end{array}$$

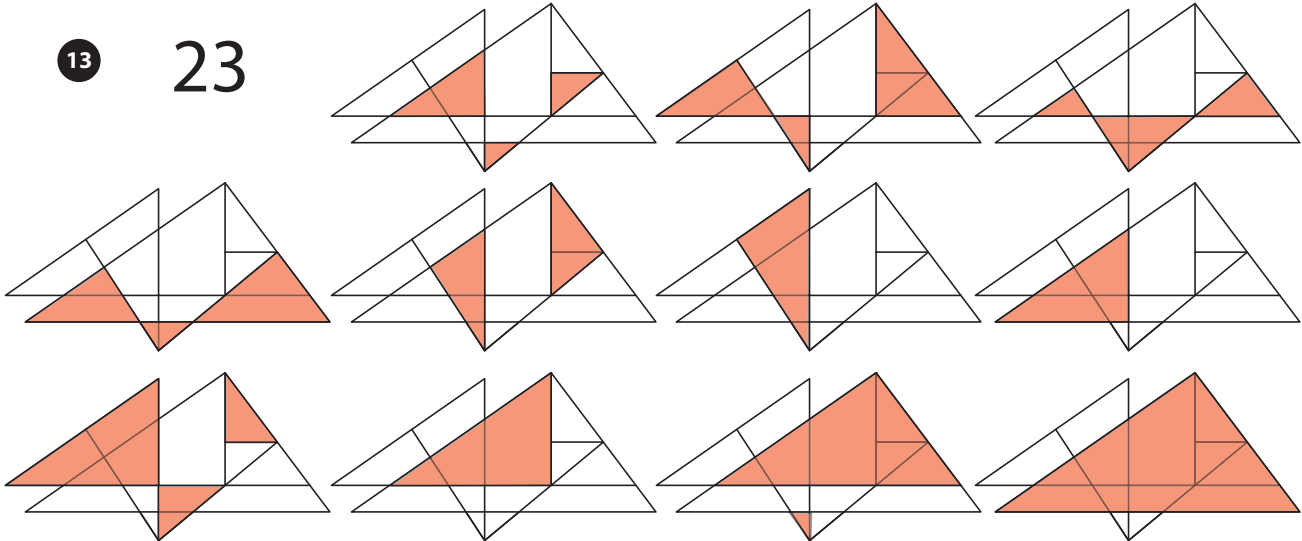
12c → 
$$\begin{array}{r} \boxed{8} + \boxed{6} \times \boxed{1} = 14 \\ = \quad = \quad = \\ 13 \quad 13 \quad 13 \end{array}$$



\*C13-14. Count the Shapes [Čedomir Milanović] (16, 12 points; half-credit for an answer that is 1 away from the correct answer)

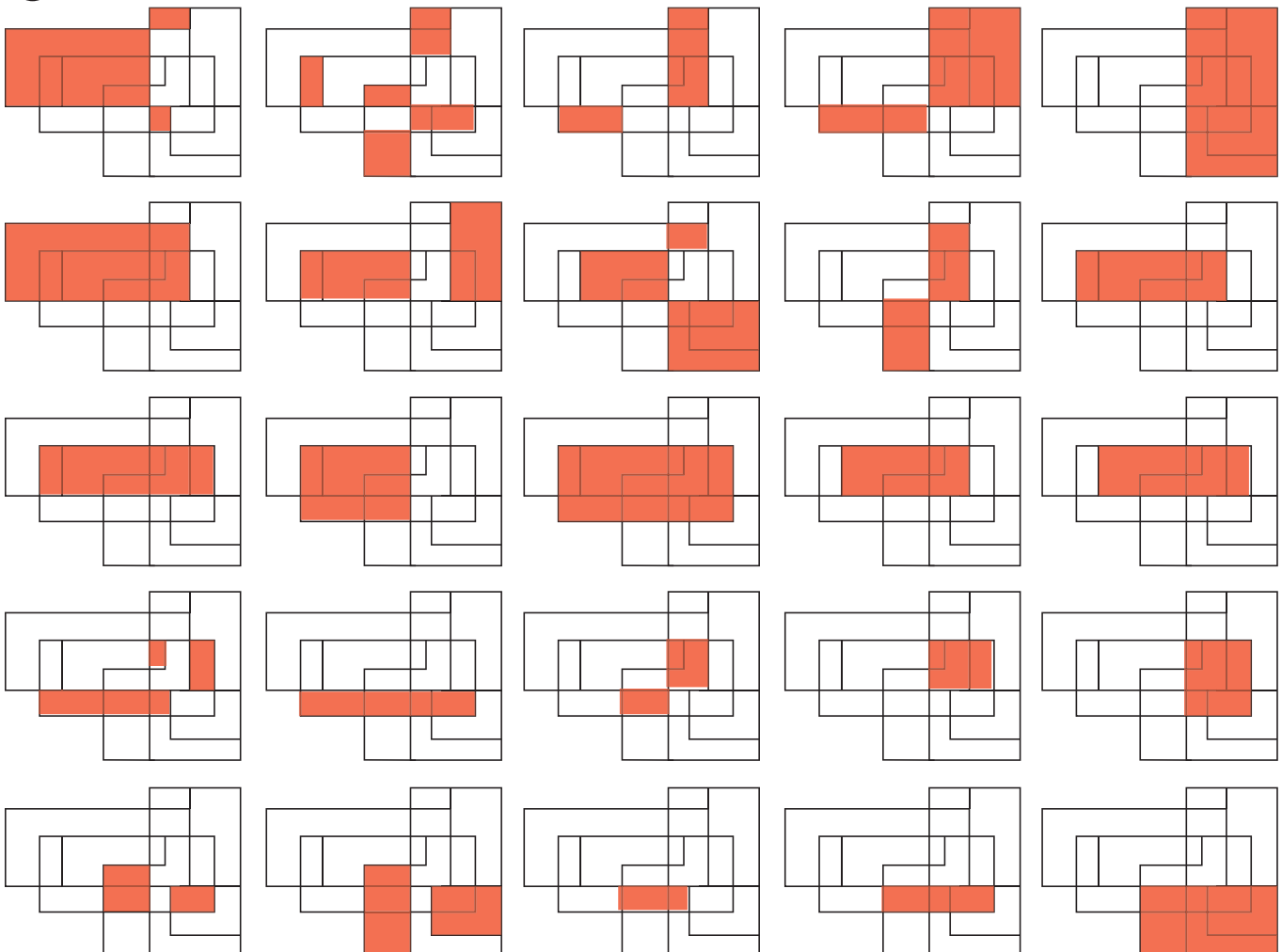
13

23



14

42





**C15. Word Search [Čedomir Milanović] (83 points)**

15

R	E	N	O	R	O	B	A	G	H	D	A	D	E	N
A	T	S	E	R	B	U	J	U	M	B	U	R	A	A
L	L	I	O	A	L	U	A	N	N	O	B	A	J	
O	M	A	G	R	E	B	B	A	D	M	R	N	A	D
S	C	O	N	S	A	S	A	E	I	U	A	O	R	I
S	T	H	A	Y	B	P	E	T	D	S	D	S	A	B
A	E	B	G	R	A	C	L	N	S	E	O	K	O	A
M	B	R	A	F	I	A	H	A	N	O	I	C	S	D
I	I	I	N	W	B	L	U	S	D	E	A	A	I	A
L	L	S	O	C	H	I	E	E	G	D	R	J	M	N
A	B	T	M	Z	N	I	L	V	I	T	O	R	I	A
N	A	O	S	R	M	O	N	Z	A	N	A	C	T	R
K	O	L	K	A	T	A	M	P	A	V	E	N	E	G

**C19-20. Scrabble [Čedomir Milanović] (19, 31 points)**

19a →

C					J	B	S	H	E	E	P
R	W				E	E	N				O
O	O		A	L	P	A	C	A			R
C	A	M	E	L	L	R	K	F	C		
O	B	I	Y			E	I	U			
D	R	A	G	O	N	F	L	Y		N	P
I	T	N	I			D		C	I		
L				S	D	O	L	P	H	I	N
E	S	L	O	T	H		G				E

19b →

20a →

N				U							E				
I	S			S	E	Y	C	H	E	L	L	E	S		
G	U	I	N	E	A		A						T		
E	N					R	O	M	A	N	I	A	O		
R	G					W	B			L	N				
	G	A	M	B	I	A	O	I	B	I					
		P				N	D	N	A	A					
		P	O	L	A	N	D	I	D	N					
		R				A	A	I	I						
S	W	E	D	E	N					C	A	N	A	D	A

20b →

**C16-18. Products [Branko Čeranić] (35, 41, 120 points)**

16

			6					8			48
2							14				28
								4		13	52
				7	19						133
				15					1		15
	16									9	144
					11	12					132
17	10										170
	3					18					54
						5			20		100
34	48	60	105	209	90	168	32	20	117		

17

			10				2				20
16										5	80
						19			8		152
7						17					119
		1	20								20
								3	14		42
			11						13		143
			18			9					162
	4			12							48
	15							6			90
112	60	10	198	240	323	18	18	104	70	20	

18

			7			23									324
25										1					161
										13		21			25
			14			4									273
				10		9									56
							19					27			90
								6							513
						11						26			48
												28			286
	2														56
							30			17					510
			20					24							480
						16			15						240
											22				264
	18		5												90
3										29					87
75	36	140	70	110	368	36	570	144	435	221	22	728	567	96	140