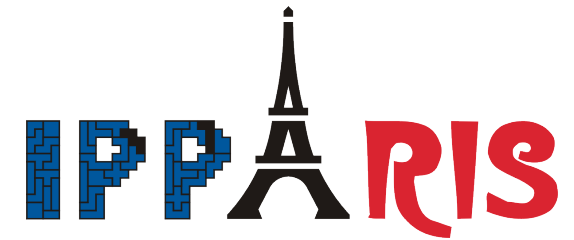


# Simplography

# IPP cserejáték - Simplography

Előzmények

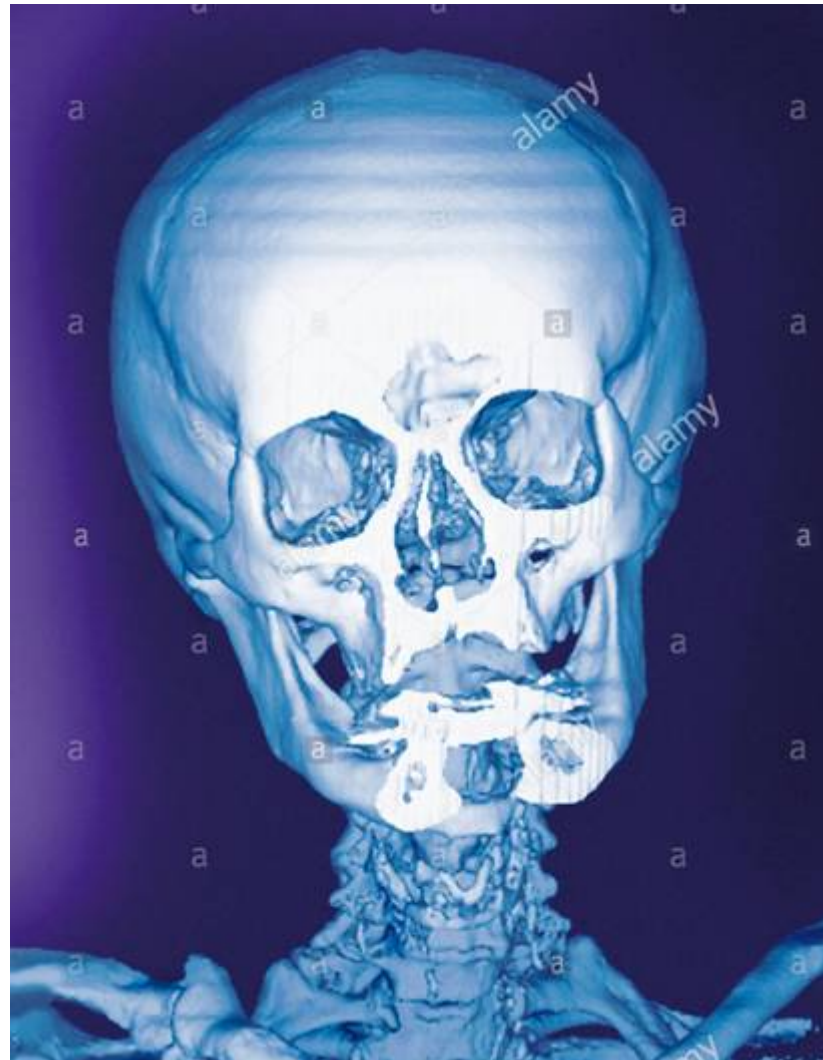
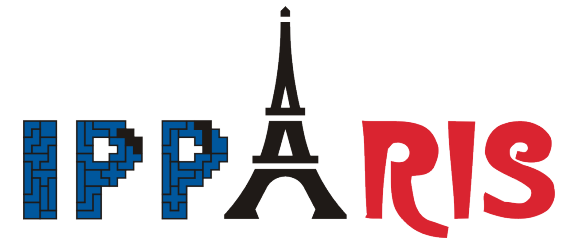
Tomográfia



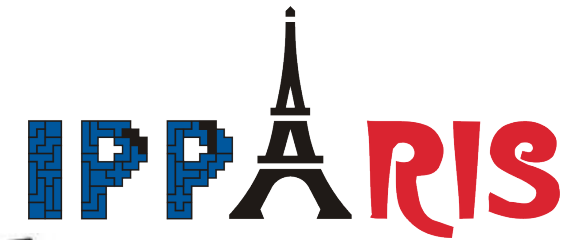
# IPP cserejáték - Simplography

Előzmények

Tomográfia

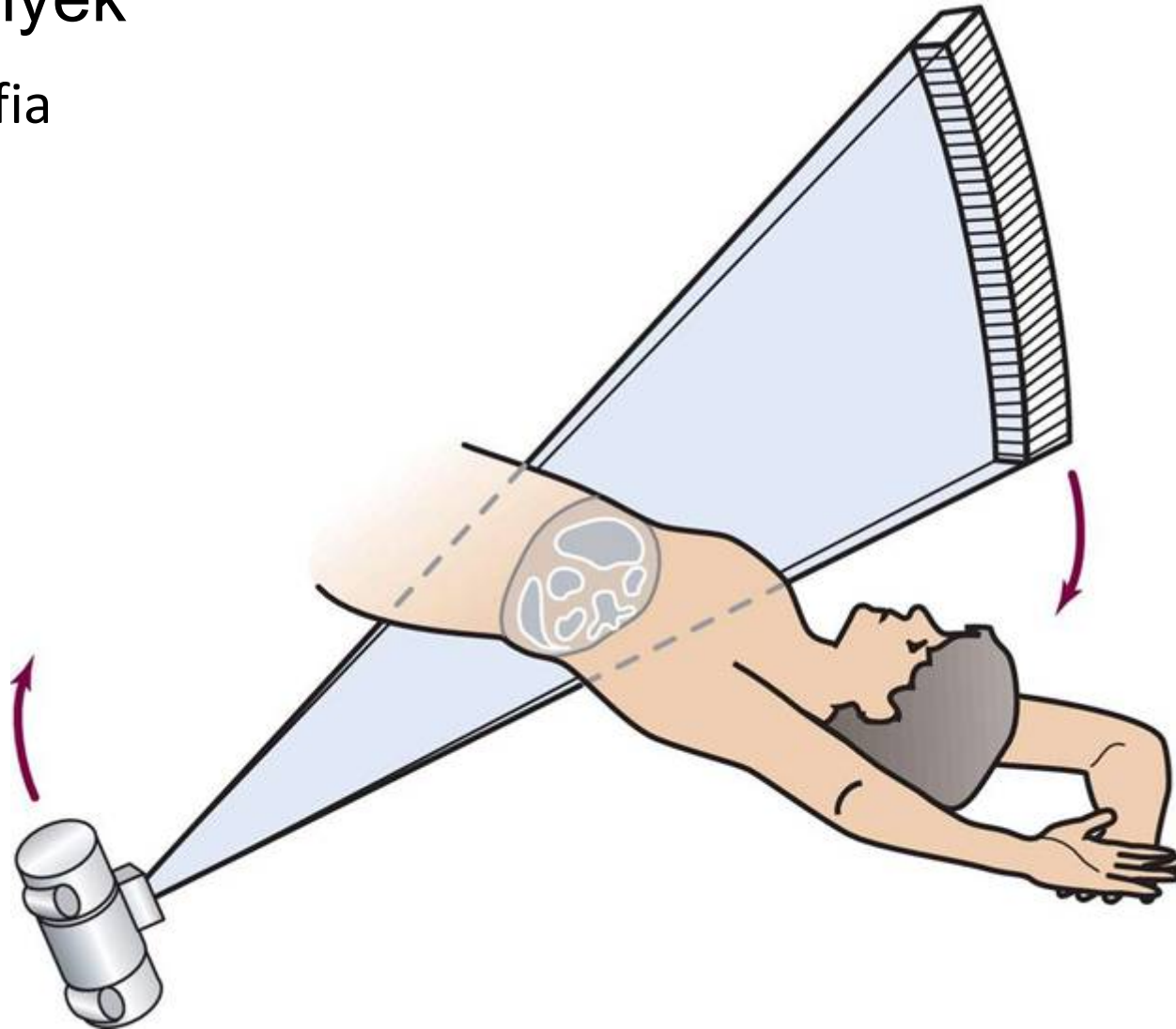


# IPP cserejáték - Simplography

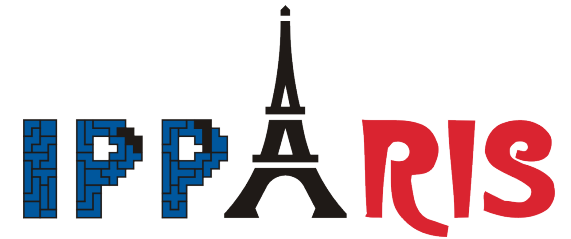


Előzmények

Tomográfia

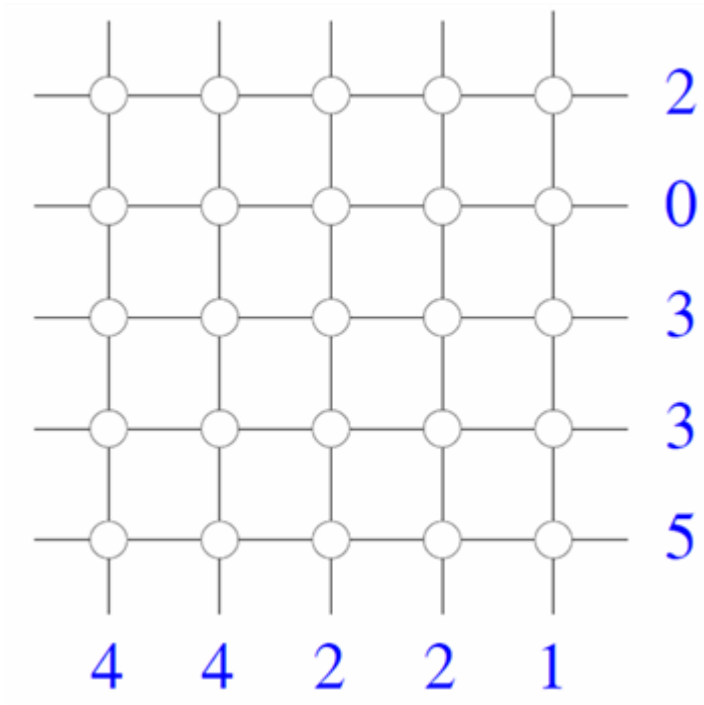


# IPP cserejáték - Simplography



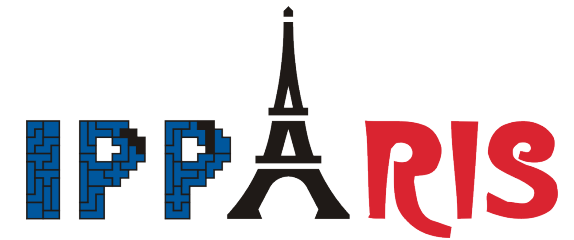
## Előzmények

Diszkrét tomográfia



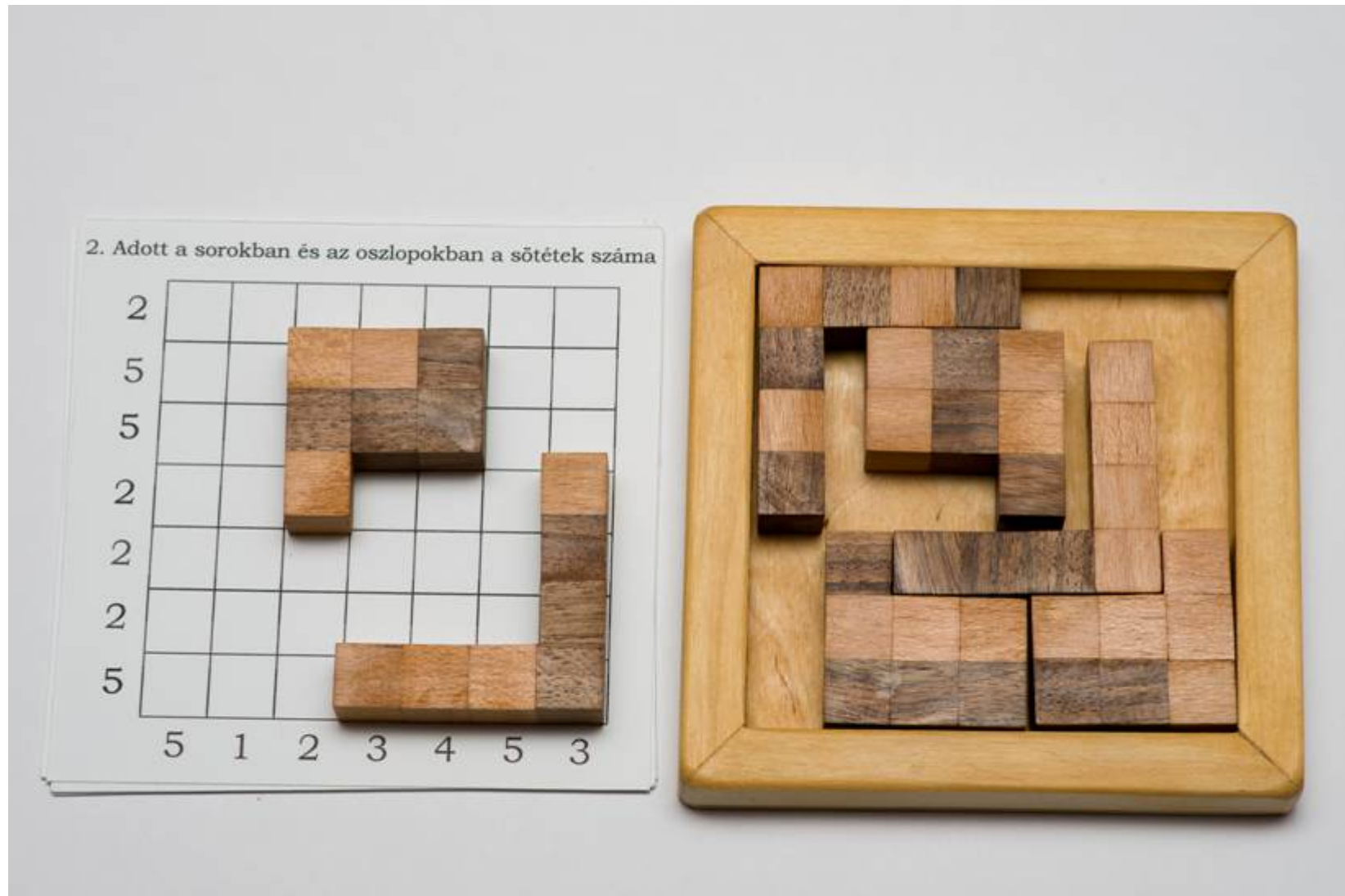


# IPP cserejáték - Simplography

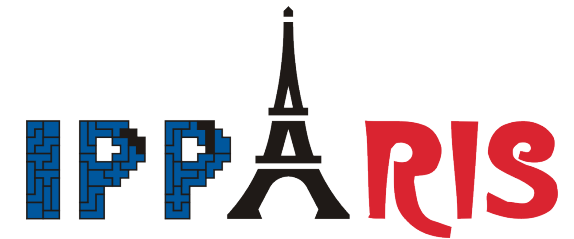


Előzmények

Heptoku



# IPP cserejáték - Simplography



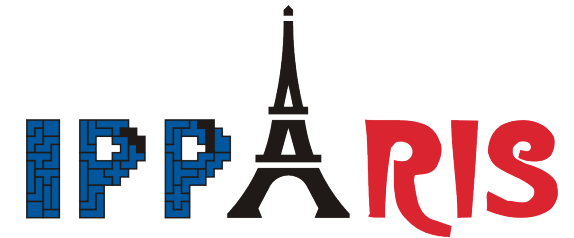
## A cserejáték

- 1×2×3-as hasábok
- 2 szín
- 6×6-os tábla
- Sok (20) feladvány





# IPP cserejáték - Simplography



## Feladványtípusok

### Színes-konkrét-teljes

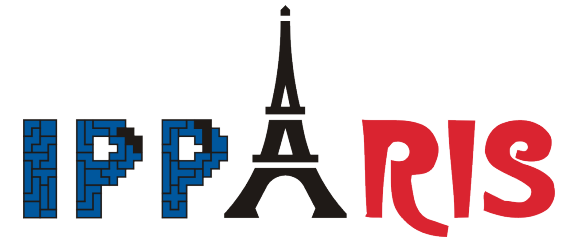
#### 1. Colorful, specific numbers, complete

Place all 6 pieces on the board!

The numbers on the side of the grid indicate how many times a certain color occurs in the given row or column.

		0	1	1	2	2	1
		2	3	0	3	0	0
3	2						
0	2						
2	1						
2	1						
0	1						
0	1						

# IPP cserejáték - Simplography



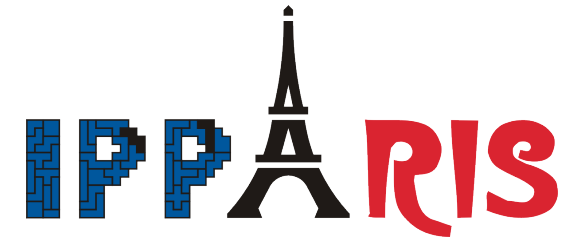
## Feladványtípusok

### Színes-konkrét-hiányos

**3. Colorful, specific numbers, incomplete**  
Place all 6 pieces on the board!  
The numbers on the side of the grid indicate how many times a certain color occurs in the given row or column.

				2	3	
		1	4	1	1	1
3						
2						
0	1					
	0					
	2					
2						

# IPP cserejáték - Simplography



## Feladványtípusok

## Színes-relációs-teljes

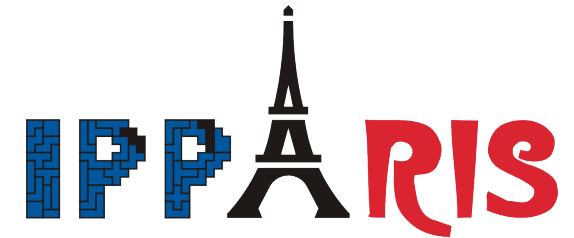
### 5. Colorful, inequalities, complete

Place all 6 pieces on the board!

The numbers or inequalities on the side of the grid indicate how many times a certain color occurs in the given row or column.

		<3	<3	0	<3	>0	>2
		<3	1	<3	<3	3	1
0	0						
△	>0						
⊗	1						
⊗	>1						
2	<3						
0	<3						

# IPP cserejáték - Simplography



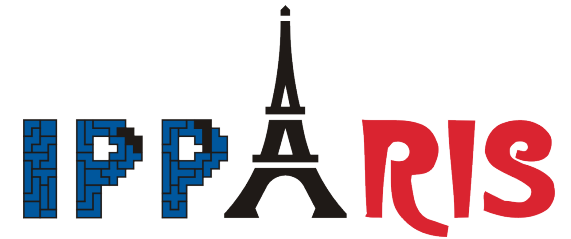
## Feladványtípusok

### Színes-relációs-hiányos

**7. Colorful, inequalities, incomplete**  
Place all 6 pieces on the board!  
The numbers or inequalities on the side of the grid indicate how many times a certain color occurs in the given row or column.

		<3	>1		2	1	>0
		1				0	>2
0	0						
<3	3						
>1	>2						
>2	2						

# IPP cserejáték - Simplography



## Feladványtípusok

### Ugyanezek egyszínűben

#### Konkrét-teljes

**9. Colorless, specific numbers, complete**  
Place all 6 pieces on the board!  
The numbers on the side of the grid indicate how many squares are occupied in the given row or column. In these puzzles, the color of the pieces doesn't matter.

	2	5	5	1	3	0
3						
2						
2						
4						
2						
3						

#### Konkrét-hiányos

**11. Colorless, specific numbers, incomplete**  
Place all 6 pieces on the board!  
The numbers on the side of the grid indicate how many squares are occupied in the given row or column. In these puzzles, the color of the pieces doesn't matter.

		2	4	1	4	5
4						
2						
5						
0						

#### Relációs-teljes

**13. Colorless, inequalities, complete**  
Place all 6 pieces on the board!  
The numbers or inequalities on the side of the grid indicate how many squares are occupied in the given row or column. In these puzzles, the color of the pieces doesn't matter.

	<3	>2	>3	>1	>2	5
<4						
<5						
<4						
1						
2						
4						

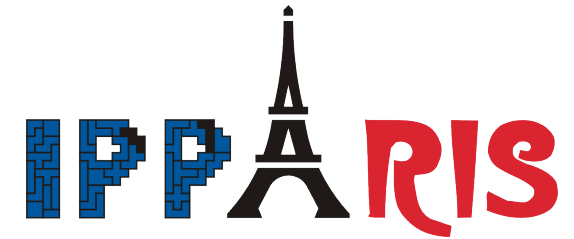
#### Relációs-hiányos

**15. Colorless, inequalities, incomplete**  
Place all 6 pieces on the board!  
The numbers or inequalities on the side of the grid indicate how many squares are occupied in the given row or column. In these puzzles, the color of the pieces doesn't matter.

	6	<3	>3	1		4
<4						
>2						
1						
5						

# IPP cserejáték - Simplography

## Feladványtípusok



### Színreláció

#### 17. Color relations

Place all 6 pieces on the board!

At the side of the grid, conditions are given on the number of times each color can occur in the given row or column.

	■	■	■	■	■	■
			↓ 1		↑ 2	↓ 4
■ = ■						
■ = ■						
■ = ■						
■ 2 > ■						
■ < 2 ■						
■ 3 > ■						

### Hazudós

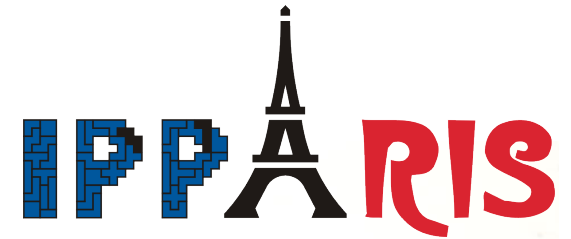
#### 19. Alternative Facts without Colors

Place all 6 pieces on the board!

The numbers on the side of the grid indicate how many squares are occupied in the given row or column. **One of the numbers is false!** In this puzzle, the color of the pieces doesn't matter.

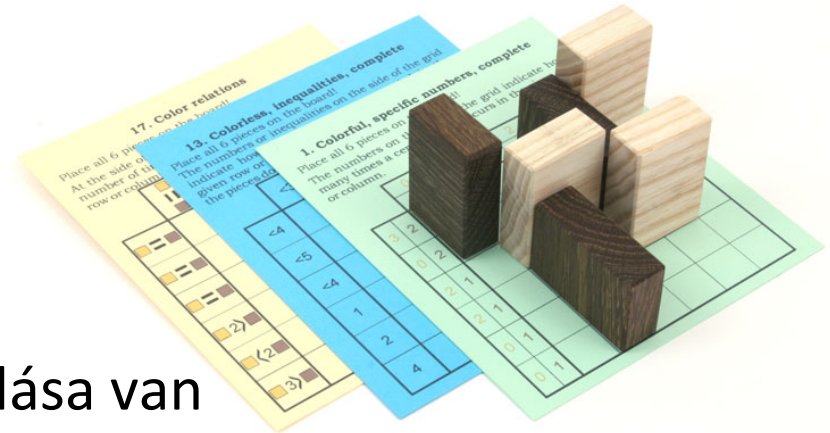
	1	2	6	3	3	5
1						
4						
2						
1						
3						
5						

# IPP cserejáték - Simplography

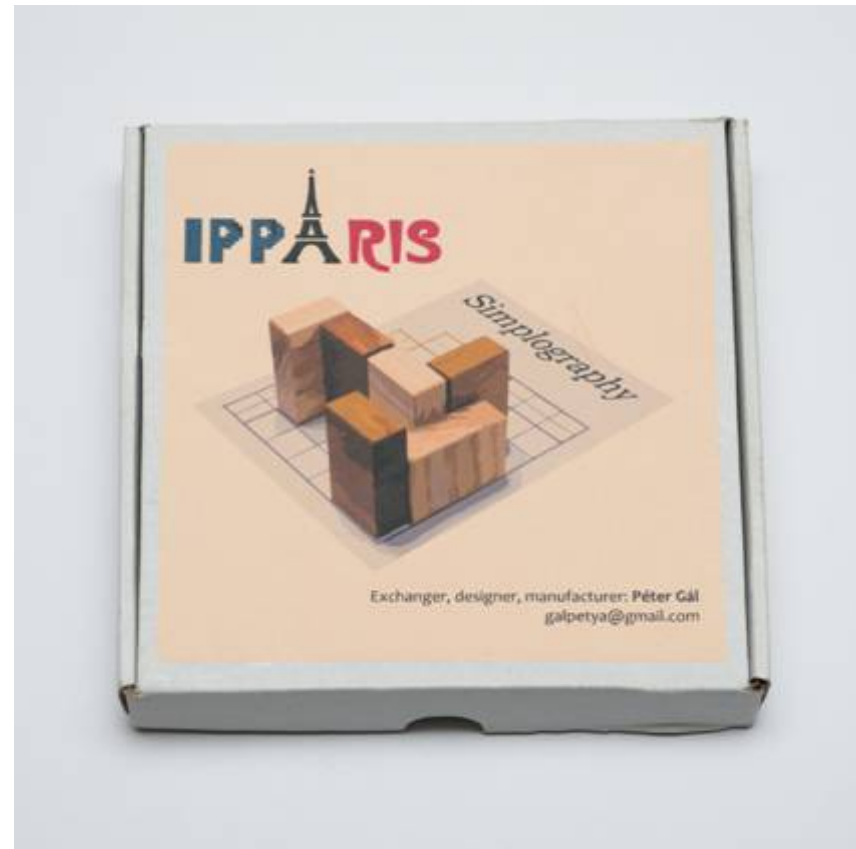
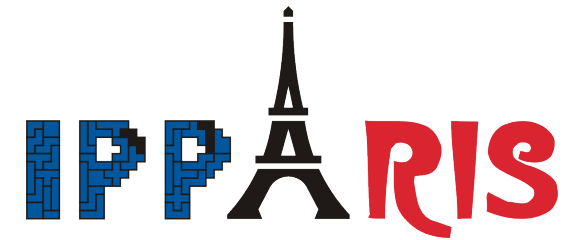


## Adatok

- 7,5 milliárd elrendezés 2 színnel
  - Kb. 3 milliárdnak csak 1 megoldása van
  - 12 üres mezővel még vannak 1 megoldásos feladványok
- 1 milliárd elrendezés 1 színnel
  - Kb. 200 milliónak csak 1 megoldása van
  - 5 üres mezővel még vannak 1 megoldásos feladványok



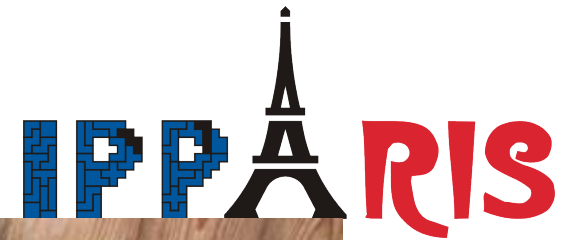
# IPP cserejáték - Simplography



- 120 doboz hajtogatva, címkézve, betét beragasztva
- 2500 oldal nyomtatás
- Összerendezés: fél nap 2 embernek

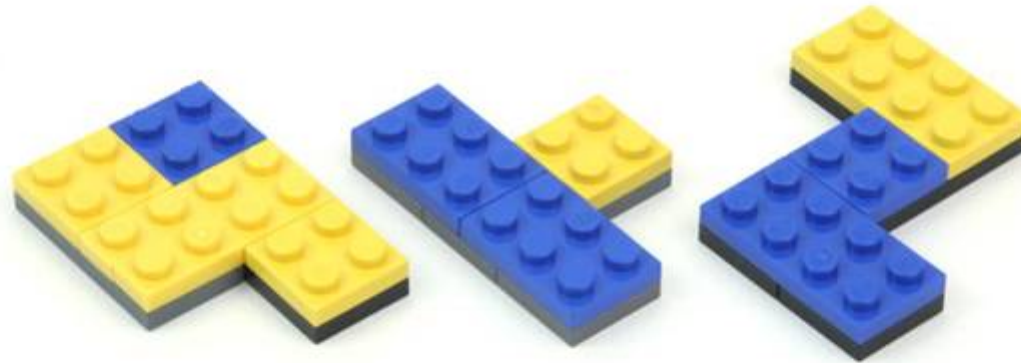
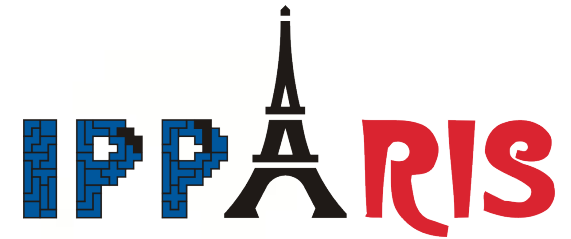


# IPP cserejáték - Simplography



- Kb. 800 hasáb, 400 tölgy füstölve, 400 natúr kőris
- 9600 él csiszolva
- 1 hónap száradás

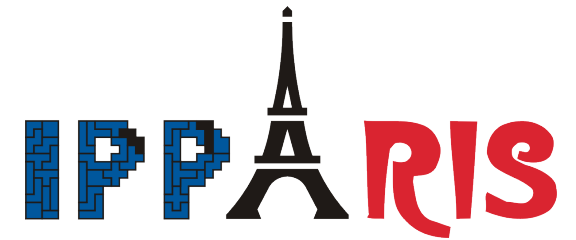
# IPP versenyjáték - Legomino



## 4 feladvány

- Tengelyesen szimmetrikus alakzat a színektől függetlenül
- Középpontosan szimmetrikus alakzat
- Szimmetrikus mindkét szín
- Azonos a két szín

# IPP cserejátékok

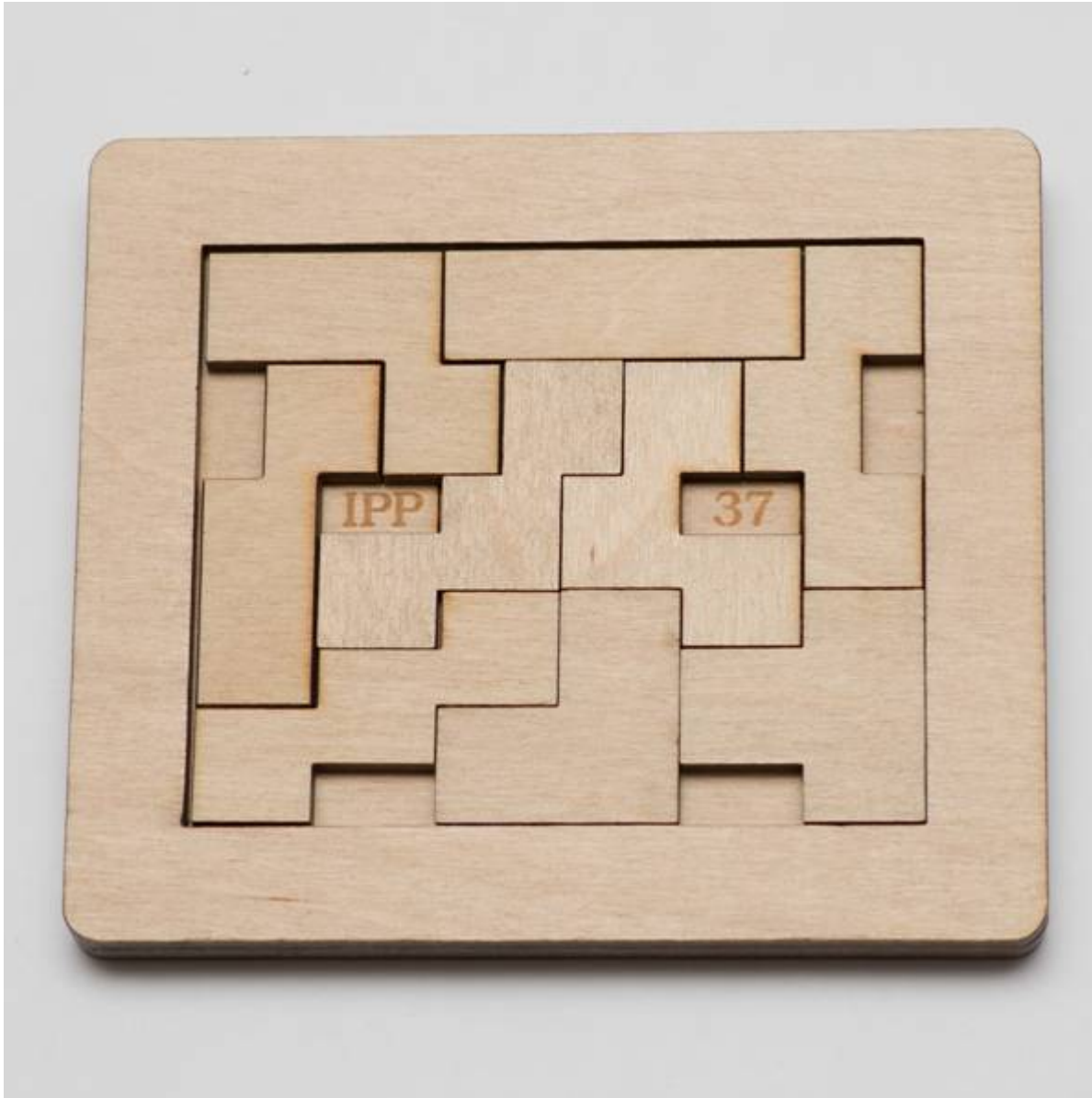


## Triplemino

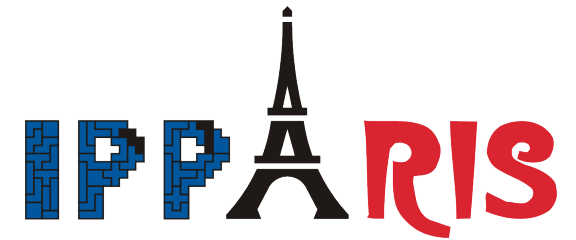
E: Bozóki Sándor

D: Molnár László (GP)

P: Pentangle Puzzles



# IPP cserejátékok



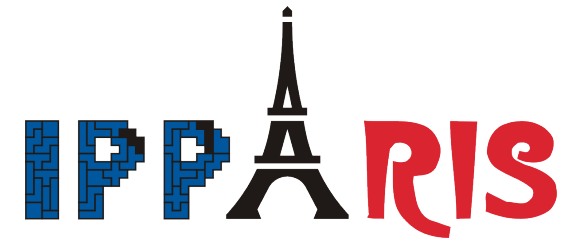
## Triplemino

E: Bozóki Sándor

D: Molnár László (GP)

P: Pentangle Puzzles

# IPP cserejátékok



## Eiffel Burr

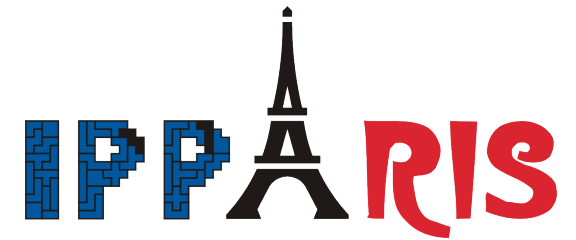
E: René Dawir

D: René Dawir

P: Marcel Gillen



# IPP cserejátékok



## Eiffel Burr

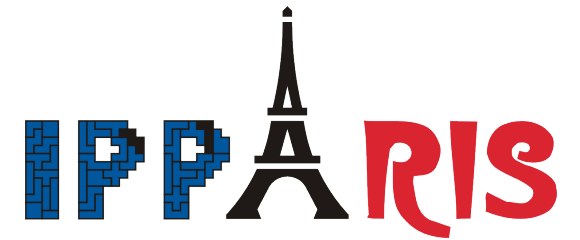
E: René Dawir

D: René Dawir

P: Marcel Gillen



# IPP cserejátékok



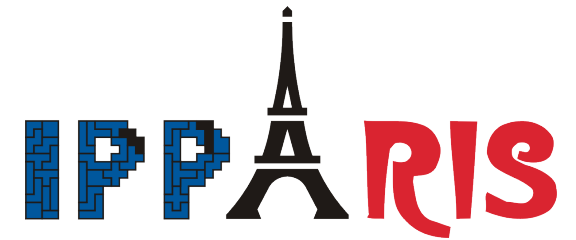
Awful Eiffel

E: Rosemary Howbrigg

D: Junichi Yananose

P: Mr Puzzle

# IPP cserejátékok



## Moulin Rouge

E: Roman Götter

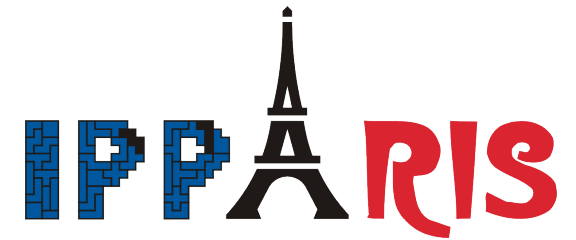
D: Stephan Baumegger

P: Stephan Baumegger





# IPP cserejátékok



## Moulin Rouge

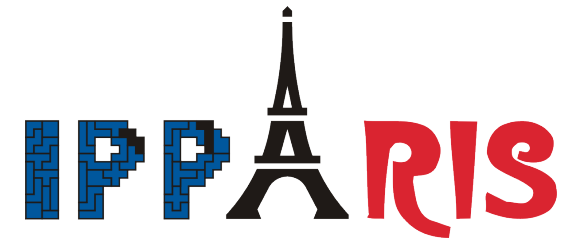
E: Roman Götter

D: Stephan Baumegger

P: Stephan Baumegger



# IPP cserejátékok



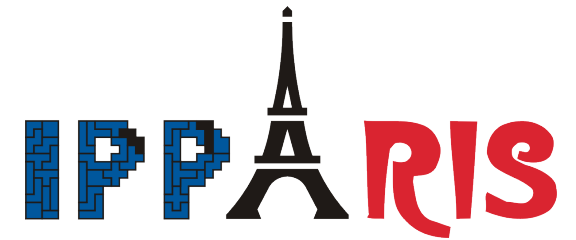
Balls Up

E: Stephen Miller

D: Stephen Miller

P: Stephen Miller

# IPP cserejátékok



## Bastille EscapeRing

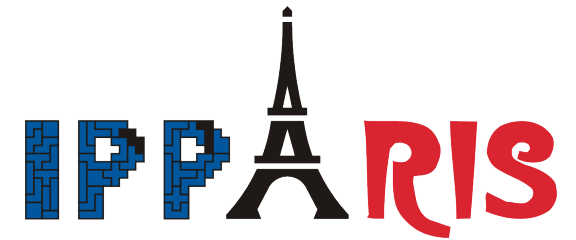
E: Goetz Schwandtner

D: Diniar Namdarian

P: Goetz Schwandtner



# IPP cserejátékok



## Sliding Maze

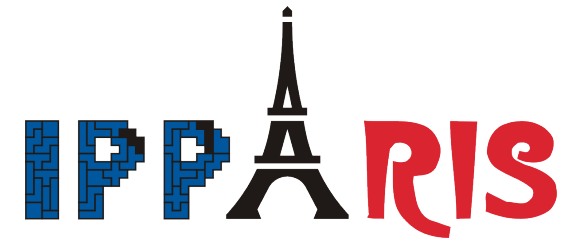
E: Kirill Grebnev

D: Kirill Grebnev

P: Kirill Grebnev



# IPP cserejátékok

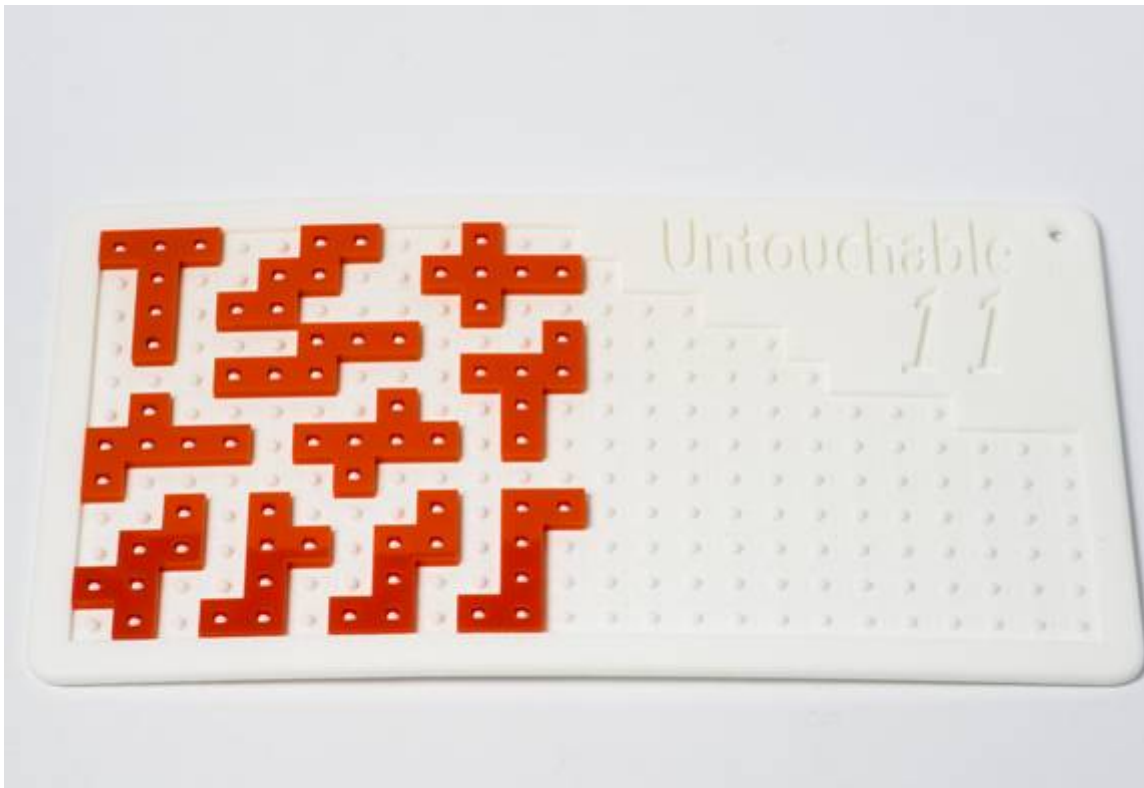


## Untouchable 11

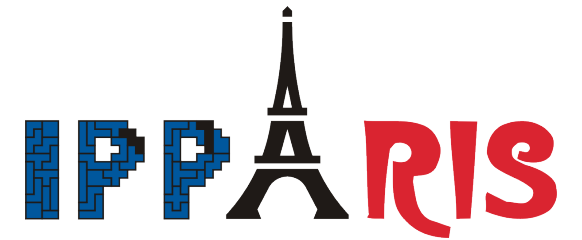
E: Carl Hoff

D: Carl Hoff & Peter  
Grabarchuk

P: Carl Hoff



# IPP cserejátékok

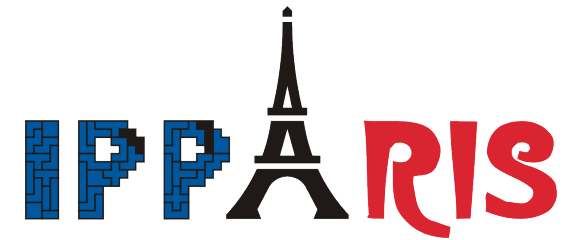


Non-Void Cube

E: Andreas Röver

D: Andreas Röver

# IPP cserejátékok

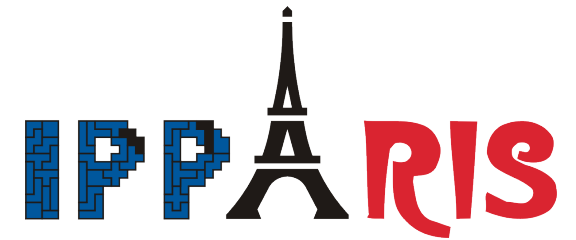


Non-Void Cube

E: Andreas Röver

D: Andreas Röver

# IPP cserejátékok



## Single Knot

E: Iwahiro (Hirokazu Iwasawa)

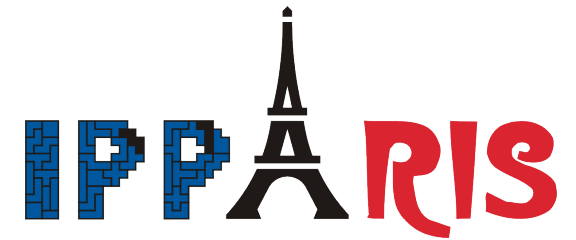
D: Iwahiro

P: Jean Claude Constantin





# IPP cserejátékok



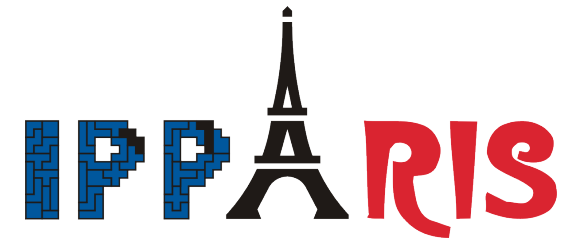
Verstrict

E: Hendrik Haak

D: Jean Claude Constantin

P: Jean Claude Constantin

# IPP cserejátékok



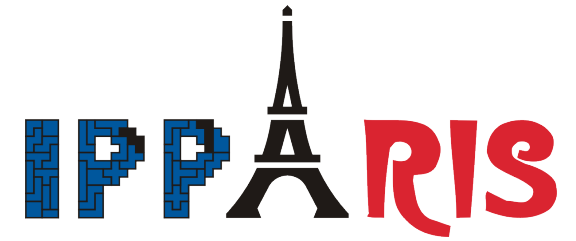
Chin's vase

E: Stephen Chin

D: Stephen Chin

P: Stephen Chin

# IPP cserejátékok



Chin's vase

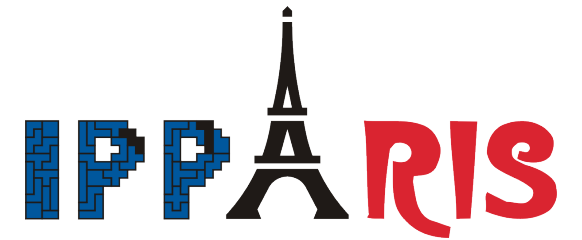
E: Stephen Chin

D: Stephen Chin

P: Stephen Chin



# IPP cserejátékok



## Haleslock 3

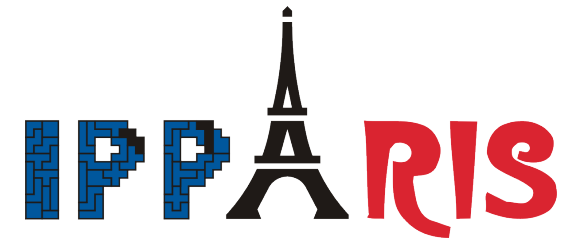


E: Peter Hajek

D: Shane Hales

P: Shane Hales

# IPP cserejátékok



## Haleslock 4

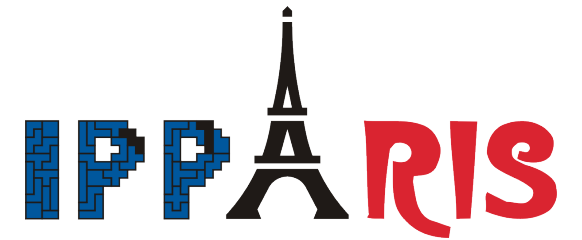
E: Allard Walker

D: Shane Hales

P: Shane Hales



# IPP cserejátékok



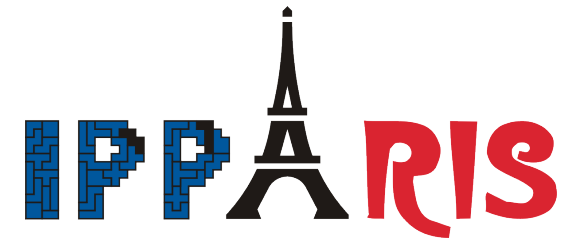
Block

E: Boaz Feldman

D: Boaz Feldman

P: Boaz Feldman

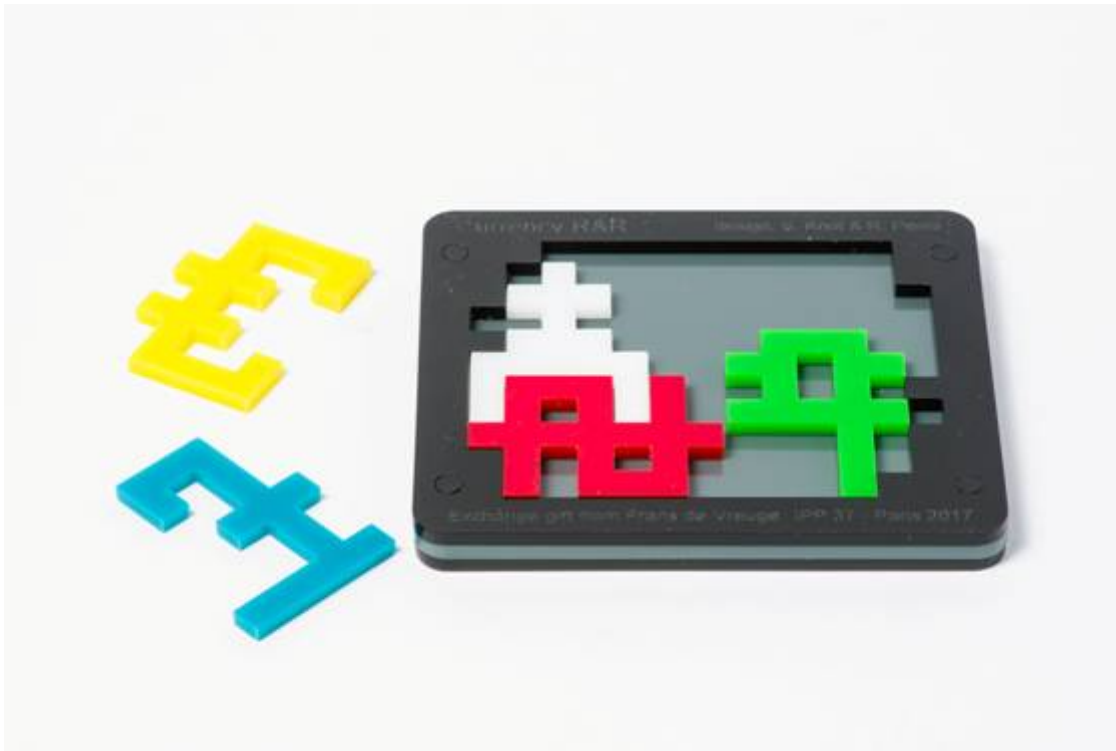
# IPP cserejátékok



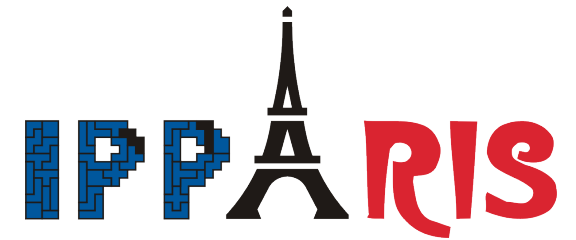
## Currency R&R

E: Frans de Vreugd

D: Stan Knot, R.R. Perez,  
Frans de Vreugd



# IPP cserejátékok



## Eight Track

E: Oskar Deventer

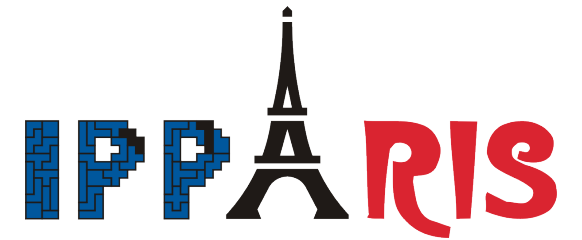
D: Oskar Deventer

P: Oskar Deventer, Bram  
Cohen





# IPP cserejátékok



French Point

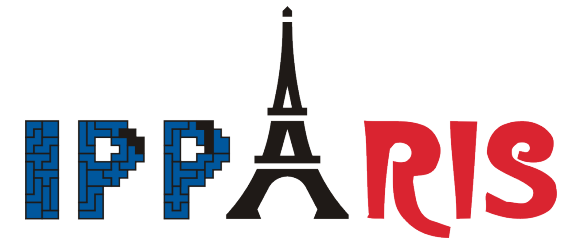


E: David Litwin

D: David Litwin

P: David Litwin

# IPP cserejátékok

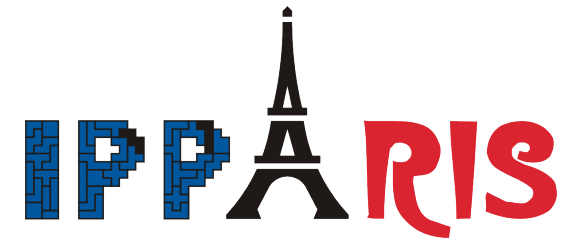


## Straight Up IPP (IPP 35)

E: David Litwin  
D: David Litwin  
P: David Litwin



# IPP cserejátékok



Cubemaker

E: M. Reis

D: V. Latussek

P: New Pelikan

# Vége

Gál Péter

[galpetya@gmail.com](mailto:galpetya@gmail.com)

[ordoglakat.blog.hu](http://ordoglakat.blog.hu)