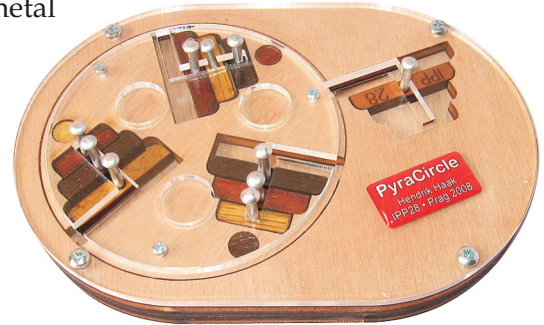




Exchanger : **Hendrik Haak**  
 Designer : Jean-Claude Constantin  
 Manufacturer : Jean-Claude Constantin  
 Type : Sequential movement  
 Classification : SEQ-OTH / 5.3  
 Material : Wood, plexiglass, metal  
 Goal : See below



## Goal:

This puzzle is a variation of the well known Japanese Panex Puzzle. Inside the disk there are three spaces signed by the small color circles. Goal is put the pieces of the same color together into the space signed with the corresponding color. The fourth space out of the disk (with the piece 'IPP 28') is the helping space.

## Solution:

**start position** - see the photo

On the right there are three sequences you can use for solving this puzzle.

During applying each sequence the disk turns 60° up / 60° down from drawn position according to current need to join the spaces in pos. **O** or **B** with the space **H**.

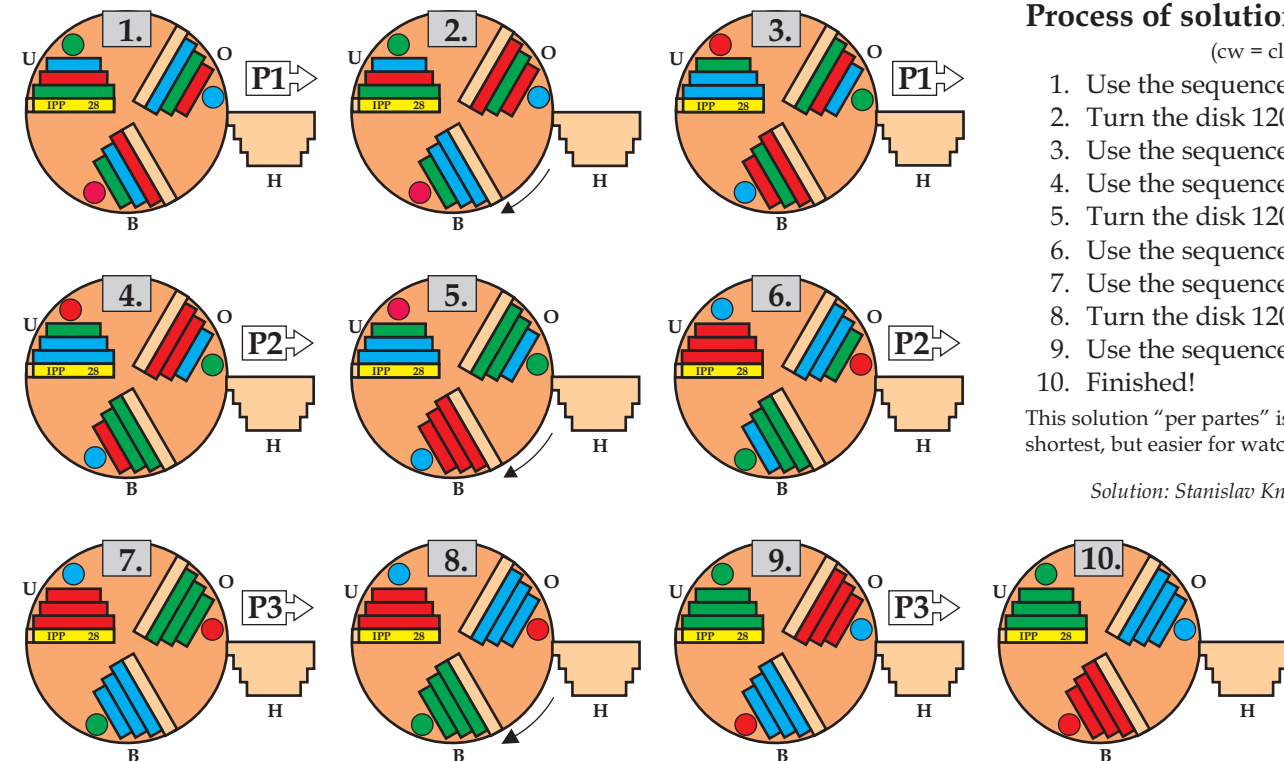
Before applying each sequence it is necessary to move the piece "IPP 28" into current **U**! After the last sequence move this piece back into **H**.

**U** - unused position      **O** - overhead position  
**H** - free space for help      **B** - bottom position  
**O-H-B** means: move piece from **O** through **H** into **B**  
**H-B** means: move piece from **H** into **B**

**Sequence 1:** swap long pieces between **O** and **B**  
 O-H, B-H-O, H-B      - 3 moves

**Sequence 2:** swap long and middle pieces between **O** and **B**  
 O-H-B, O-H, B-H-O, B-H-O, B-H,  
 O-H-B, O-H-B, H-O, B-H, B-H-O,  
 H-O, H-B, O-H-B      - 13 moves

**Sequence 3:** swap all three pieces between **O** and **B**  
 O-H-B, O-H, O-H, B-H-O, H-O, H-B, O-H,  
 B-H, B-H-O, B-H, O-H-B, O-H-B, H-O, B-H-O,  
 B-H, B-H-O, H-B, O-H-B, H-O, B-H, B-H,  
 O-H-B, O-H-B, O-H-B, H-O, H-O, B-H, O-H,  
 O-H-B, H-O, H-O, B-H-O, B-H, B-H-O, H-B,  
 H-B, O-H, B-H, B-H-O, H-B, H-B, O-H-B  
 - 42 moves



## Process of solution:

(cw = clockwise)

1. Use the sequence 1
2. Turn the disk 120° cw
3. Use the sequence 1
4. Use the sequence 2
5. Turn the disk 120° cw
6. Use the sequence 2
7. Use the sequence 3
8. Turn the disk 120° cw
9. Use the sequence 3
10. Finished!

This solution "per partes" is not the shortest, but easier for watching!

*Solution: Stanislav Knot*