#### ASC2018 - Adults - Round 5 - Solutions (일반인 5라운드 정답)

1. 슬롯머신 스도쿠 (Slot machine Sudoku) By Henning Kalsgaard Poulsen

| 1 | 7 | 4 | 2 | 5 | 8 | 3 | 9 | 6 |
|---|---|---|---|---|---|---|---|---|
| 9 | 3 | 8 | 4 | 7 | 6 | 1 | 2 | 5 |
| 5 | 6 | 2 | 9 | 3 | 1 | 8 | 4 | 7 |
| 7 | 9 | 1 | 3 | 6 | 5 | 2 | 8 | 4 |
| 6 | 2 | 5 | 8 | 9 | 4 | 7 | 1 | 3 |
| 8 | 4 | 3 | 1 | 2 | 7 | 6 | 5 | 9 |
| 3 | 8 | 6 | 5 | 4 | 2 | 9 | 7 | 1 |
| 4 | 1 | 7 | 6 | 8 | 9 | 5 | 3 | 2 |
| 2 | 5 | 9 | 7 | 1 | 3 | 4 | 6 | 8 |

3. 도트 매트릭스 스도쿠 (Dot Matrix Sudoku) By Bram de Laat

| 2 | 1 | 8 | 4 | 7 | 3 | 9 | 5 | 6 |
|---|---|---|---|---|---|---|---|---|
| 7 | 3 | 9 | 1 | 6 | 5 | 2 | 8 | 4 |
| 5 | 6 | 4 | 2 | 8 | 9 | 7 | 1 | 3 |
| 4 | 8 | 6 | 7 | 2 | 1 | 5 | 3 | 9 |
| 9 | 2 | 1 | 3 | 5 | 8 | 4 | 6 | 7 |
| 3 | 7 | 5 | 6 | 9 | 4 | 8 | 2 | 1 |
| 6 | 4 | 2 | 8 | 1 | 7 | 3 | 9 | 5 |
| 1 | 9 | 7 | 5 | 3 | 2 | 6 | 4 | 8 |
| 8 | 5 | 3 | 9 | 4 | 6 | 1 | 7 | 2 |

2. 약수 스도쿠 (Divisor Sudoku) By Henning Kalsgaard Poulsen

| 2 | 3              | 7   | 6   | 9       | 5              | 1                     | 8          | 4 |
|---|----------------|-----|-----|---------|----------------|-----------------------|------------|---|
| 9 | 8 <sup>2</sup> | 8 4 | 3   | 2       | 1              | <b>5</b> <sup>2</sup> | 8 <b>6</b> | 7 |
| 5 | 1              | 6   | 4   | 7       | 8              | 9                     | 3          | 2 |
| 4 | 9              | 3   | 7   | 5       | 6              | 2                     | 1          | 8 |
| 7 | 6 <sup>3</sup> | ¹ 2 | 8 9 | 1 1     | <sup>3</sup> 3 | 4 1                   | ⁵ 5        | 9 |
| 8 | 5              | 1   | 2   | 4       | 9              | 6                     | 7          | 3 |
| 3 | 2              | 9   | 1   | 6<br>34 | 7              | 8                     | 4          | 5 |
| 6 |                | ⁵ 5 | 9   | 8       | 4              | 3 1                   | 6 2        | 1 |
| 1 | 4              | 8   | 5   | 3       | 2              | 7                     | 9          | 6 |

4. 시상대 스도쿠 (Podium Sudoku) By Bram de Laat

| 5 | 1 | 9 | 3 | 4 | 2 | 8 | 7 | 6 |
|---|---|---|---|---|---|---|---|---|
| 6 | 8 | 4 | 5 | 1 | 7 | 2 | 3 | 9 |
| 7 | 2 | 3 | 8 | 6 | 9 | 4 | 5 | 1 |
| 9 | 4 | 6 | 7 | 3 | 1 | 5 | 2 | 8 |
| 2 | 7 | 1 | 9 | 8 | 5 | 3 | 6 | 4 |
| 3 | 5 | 8 | 6 | 2 |   | 1 | 9 | 7 |
| 4 | 9 | 7 | 1 | 5 | 3 | 6 | 8 | 2 |
| 8 | 3 | 2 | 4 | 7 | 6 | 9 | 1 | 5 |
| 1 | 6 | 5 | 2 | 9 | 8 | 7 | 4 | 3 |



#### 5. 터치 스도쿠 (Touchy Sudoku)

#### By Rajesh Kumar

|   |   |   |   |   |   |   | _ | _ |
|---|---|---|---|---|---|---|---|---|
| 4 | 5 | 8 | 9 | 2 | 6 | 7 | 1 | 3 |
| 3 | 7 | 9 | 8 | 1 | 5 | 6 | 2 | 4 |
| 1 | 6 | 2 | 7 | 3 | 4 | 5 | 9 | 8 |
| 2 | 1 | 3 | 4 | 5 | 8 | 9 | 7 | 6 |
| 9 | 8 | 7 | 2 | 6 | 3 | 4 | 5 | 1 |
| 5 | 4 | 6 | 1 | 9 | 7 | 8 | 3 | 2 |
| 7 | 2 | 1 | 6 | 8 | 9 | 3 | 4 | 5 |
| 6 | 3 | 4 | 5 | 7 | 1 | 2 | 8 | 9 |
| 8 | 9 | 5 | 3 | 4 | 2 | 1 | 6 | 7 |

### 7. 덧셈/곱셈식 스도쿠 (Product or Sum Sudoku) By Oddest Wu

| 2 | 4 | 9 | 5 | 8 | 7 | 6 | 3 | 1 |
|---|---|---|---|---|---|---|---|---|
| 6 | 8 | 1 | 4 | 2 | 3 | 5 | 7 | 9 |
| 3 | 5 | 7 | 1 | 6 | 9 | 2 | 4 | 8 |
| 4 | 3 | 6 | 7 | 5 | 8 | 9 | 1 | 2 |
| 1 | 7 | 2 | 3 | 9 | 6 | 4 | 8 | 5 |
| 8 | 9 | 5 | 2 | 4 | 1 | 3 | 6 | 7 |
| 7 | 2 | 4 | 8 | 3 | 5 | 1 | 9 | 6 |
| 5 | 6 | 8 | 9 | 1 | 4 | 7 | 2 | 3 |
| 9 | 1 | 3 | 6 | 7 | 2 | 8 | 5 | 4 |

#### 9. 개수세기 스도쿠 (Differents Count Sudoku) By Oddest Wu

| Dy C | 0. 0. 00 | t vvu |   |   |   |   |   |   |
|------|----------|-------|---|---|---|---|---|---|
| 1    | 8        | 7     | 3 | 2 | 5 | 4 | 6 | 9 |
| 3    | 2        | 5     | 4 | 6 | 9 | 1 | 7 | 8 |
| 4    | 6        | 9     | 1 | 7 | 8 | 2 | 5 | 3 |
| 6    | 5        | 4     | 2 | 1 | 3 | 8 | 9 | 7 |
| 2    | 1        | W     | 8 | 9 | 7 | 6 | 4 | 5 |
| 7    | 9        | 8     | 6 | 5 | 4 | 3 | 2 | 1 |
| 5    | 4        | 1     | 9 | 8 | 6 | 7 | 3 | 2 |
| 9    | 3        | 2     | 7 | 4 | 1 | 5 | 8 | 6 |
| 8    | 7        | 6     | 5 | 3 | 2 | 9 | 1 | 4 |

# 6. Quad Odd Sum Sudoku

By Oddest Wu

| 2 | 1 | 5 | 3 | 4 | 6 | 8 | 9 | 7 |
|---|---|---|---|---|---|---|---|---|
| 3 | 4 | 6 | 7 | 8 | 9 | 5 | 2 | 1 |
| 8 | 9 | 7 | 5 | 1 | 2 | 4 | 6 | 3 |
| 4 | 3 | 1 | 8 | 2 | 5 | 9 | 7 | 6 |
| 7 | 6 | 2 | 9 | 3 | 4 | 1 | 5 | 8 |
| 9 | 5 | 8 | 6 | 7 | 1 | 2 | 3 | 4 |
| 6 | 8 | 4 | 2 | 9 | 3 | 7 | 1 | 5 |
| 1 | 2 | 3 | 4 | 5 | 7 | 6 | 8 | 9 |
| 5 | 7 | 9 | 1 | 6 | 8 | 3 | 4 | 2 |

## 8. 반토막 스도쿠 (Half Sudoku)

By Oddest Wu

| 5   | 7   | 1   | 3 8    |
|-----|-----|-----|--------|
| 8   | 2   | 3 4 | 7<br>5 |
| 2 3 | 5 4 | 7 8 | 6      |
| 7   | 3   | 5   | 2 4    |

#### 10. One Consecutive Sudoku By Oddest Wu

 8
 3
 6
 7
 1
 2
 9
 5

 9
 2
 4
 5
 8
 6
 7
 3

| 9 | 2 | 4 | 0 | Ø | b | 4                | 3 | 1          |
|---|---|---|---|---|---|------------------|---|------------|
| 7 | 1 | 5 | 9 | 4 | 3 | 8                | 2 | 6          |
| 6 | 9 | 3 | 8 | 7 | 4 | 2                | 1 | <b>(5)</b> |
| 5 | 8 | 2 | 6 | 9 | 1 | 4                | 7 | 3          |
| 4 | 7 | 1 | 3 | 2 | 5 | 6                | 9 | 8          |
| 3 | 6 | 9 | 4 | 5 | 7 | 1                | 8 | 2          |
| 2 | 5 | 8 | 1 | 6 | 9 | ( <del>3</del> ) | 4 | 7          |
| 1 | 4 | 7 | 2 | 3 | 8 | 5                | 6 | 9          |