

Solution Pas à Pas Grille du 20/05/18 Niveau 19 – C 20

| | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 |
|----|--------------|------------------|----------|----------------|--------------|------------------|------------|--------------------|------------|
| L1 | 4 7 | 9 | 6 | 4 7 8 | 3 | 1 4 | 2 | 1 4 8 | 5 |
| L2 | 8 | 4 5 3 7 | 2 | 4 5 6 7 | 1 5 6 7 | 1 4 5 6 | 9 | 1 4 6 4 1 3 | 3 |
| L3 | 4 5 3 X | 1 | 4 | 4 5 6 7 8 9 | 2 5 6 7 9 | 2 4 5 6 9 | 7 8 | 4 6 4 X 8 | 3 |
| L4 | 1 4 5 7 | 2 | 1 4 | 3 | 5 9 | 8 | 6 | 1 4 5 9 7 | 1 4 7 9 |
| L5 | 1 3 5 6 7 | 3 5 6 7 8 | 1 3 8 | 2 5 6 9 | 4 | 2 5 6 9 | 1 5 X 8 | 1 2 5 8 9 7 8 9 | 1 2 9 |
| L6 | 4 5 6 | 4 5 6 8 | 9 | 1 | 2 5 6 | 7 | 5 8 | 3 | 4 8 |
| L7 | 1 2 3 4 6 | 3 1 3 4 6 4 8 | 3 | 2 4 5 6 9 | 1 2 5 6 9 | 1 2 3 4 5 6 9 | 1 5 8 | 7 | 1 2 8 9 |
| L8 | 1 2 4 | 4 | 5 | 2 4 7 9 7 9 | 1 2 7 9 | 1 2 4 9 | 3 | 1 2 8 9 | 6 |
| L9 | 9 | 3 6 | 7 | 2 5 6 | 8 | 1 2 3 5 6 | 4 | 1 2 5 | 1 2 |

1 placement

RG 1 8 8 L1

RVB
1 L1C6
7 L3C7

RVR
7 L1C1 X L3C1
7 L5C2 X L5C7
7 L4C9 X L2C9

VALIDATION 7 L3C7

| | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 |
|----|--------------|------------------|----------|----------------|--------------|------------------|----------|--------------------|------------|
| L1 | 4 7 | 9 | 6 | 4 7 8 | 3 | 1 4 | 2 | 1 4 8 | 5 |
| L2 | 8 | 4 5 3 7 | 2 | 4 5 6 7 | 1 5 6 7 | 1 4 5 6 | 9 | 1 4 6 4 1 3 | 3 |
| L3 | 4 5 3 | 1 | 4 | 4 5 6 7 8 9 | 2 5 6 9 | 2 4 5 6 9 | 7 | 4 6 4 8 8 | 3 |
| L4 | 1 4 5 7 | 2 | 1 4 | 3 | 5 9 | 8 | 6 | 1 4 5 9 7 | 1 4 7 9 |
| L5 | 1 3 5 6 7 | 3 5 6 7 8 | 1 3 8 | 2 5 6 9 | 4 | 2 5 6 9 | 1 5 8 | 1 2 5 8 9 7 8 9 | 1 2 9 |
| L6 | 4 5 6 | 4 5 6 8 | 9 | 1 | 2 5 6 | 7 | 5 8 | 3 | 4 8 |
| L7 | 1 2 3 4 6 | 3 1 3 4 6 4 8 | 3 | 2 4 5 6 9 | 1 2 5 6 9 | 1 2 3 4 5 6 9 | 1 5 8 | 7 | 1 2 8 9 |
| L8 | 1 2 4 | 4 | 5 | 2 4 7 9 7 9 | 1 2 7 9 | 1 2 4 9 | 3 | 1 2 8 9 | 6 |
| L9 | 9 | 3 6 | 7 | 2 5 6 | 8 | 1 2 3 5 6 | 4 | 1 2 5 | 1 2 |

Solution Pas à Pas Grille du 20/05/18 Niveau 19 – C 20

| | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 |
|----|--------------|------------|------------|--------------|--------------|------------------|-------|-----------|---------|
| L1 | 7 | 9 | 6 | 8 | 3 | 1 4 | 2 | 1 4 | 5 |
| L2 | 8 | 4 5 3 | 2 | 4 5 6 7 | 1 5 6 7 | 1 4 5 6 | 9 | 1 4 6 4 | 1 3 |
| L3 | 4 5 3 | 1 | 4 3 | 4 5 6 9 | 2 5 6 9 | 2 4 5 6 9 | 7 | 4 8 6 4 | 3 8 |
| L4 | 1 4 5 | 2 | 1 4 | 3 | 5 9 | 8 | 6 | 1 4 5 9 | 7 |
| L5 | 1 5 3 6 | 7 | 1 3 8 | 2 5 6 9 | 4 | 2 5 6 9 | 1 5 8 | 1 2 5 8 9 | 1 2 8 9 |
| L6 | 4 5 6 | 4 5 6 8 | 9 | 1 | 2 5 6 | 7 | 5 8 | 3 4 | 2 8 |
| L7 | 1 2 3 4 6 | 3 4 6 | 1 3 4 8 | 2 4 5 6 9 | 1 2 5 6 9 | 1 2 3 4 5 6 9 | 1 5 8 | 7 | 1 2 8 9 |
| L8 | 1 2 4 | 4 8 | 5 | 4 7 9 | 1 2 7 9 | 1 2 4 9 | 3 | 1 2 8 9 | 6 |
| L9 | 9 | 3 6 | 7 | 2 5 6 | 8 | 1 2 3 5 6 | 4 | 1 2 5 | 1 2 |

Circuit de Deblocage Rouge

CDR 4 4 B6

RVV 2 L6C5

RVM 1 L4C3
5 L4C1
9 L4C5
5 L2C2
34 L3C13
8 L3C9
6 L3C8
1 L2C8

CONTRADICTION

PAS DE L1C8

 deviennet

| | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 |
|----|--------------|--------------|------------|--------------|--------------|------------------|-------|--------------|-----------|
| L1 | 4 7 | 9 | 6 | 4 7 8 | 3 | 1 4 | 2 | 1 4 8 | 5 |
| L2 | 8 | 4 5 3 7 | 2 | 4 5 6 7 | 1 5 6 7 | 1 4 5 6 | 9 | 1 4 6 4 | 1 3 |
| L3 | 4 5 3 | 1 | 4 3 | 4 5 6 8 9 | 2 5 6 9 | 2 4 5 6 9 | 7 | 4 8 6 4 | 3 8 |
| L4 | 1 4 5 7 | 2 | 1 4 | 3 | 5 9 | 8 | 6 | 1 4 5 9 7 | 1 9 |
| L5 | 1 5 3 6 7 | 3 5 6 7 8 | 1 3 8 | 2 5 6 9 | 4 | 2 5 6 9 | 1 5 8 | 1 2 5 8 9 | 1 2 7 8 9 |
| L6 | 4 5 6 | 4 5 6 8 | 9 | 1 | 2 5 6 | 7 | 5 8 | 3 4 | 2 8 |
| L7 | 1 2 3 4 6 | 3 4 6 | 1 3 4 8 | 2 4 5 6 9 | 1 2 5 6 9 | 1 2 3 4 5 6 9 | 1 5 8 | 7 | 1 2 8 9 |
| L8 | 1 2 4 | 4 8 | 5 | 4 7 9 | 1 2 7 9 | 1 2 4 9 | 3 | 1 2 8 9 | 6 |
| L9 | 9 | 3 6 | 7 | 2 5 6 | 8 | 1 2 3 5 6 | 4 | 1 2 5 | 1 2 |

RVB 88 L7C79

8 L8C2 ~~X~~ L5C2

8 L5C3

Solution Pas à Pas Grille du 20/05/18 Niveau 19 – C 20

| | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | |
|----|---------|---------|---------|------------|------------|---------------|-------|-----------|---------|---|
| L1 | 7 | 9 | 6 | 8 | 3 | 1 4 | 2 | 1 4 | 5 | Circuit Déblocage Rouge CDR 5 6 L6C1 |
| L2 | 8 | 4 5 3 | 2 | 4 5 6 7 | 1 5 6 7 | 1 4 5 6 | 9 | 1 4 6 | 1 3 | RVV 3 L9C2 8 L6C7 8 L5C3 5 L2C2 2 L8C1 1 L7C3 4 L4C3 3 L3C3 4 L3C1 1 L4C1 3 L5C1 5 L7C7 1 L5C7 8 L3C9 6 L3C8 3 L2C9 8 L8C8 9 L7C9 |
| L3 | 4 5 3 | 1 | 4 3 | 4 5 6 9 | 2 5 6 9 | 2 4 5 6 9 | 7 | 4 6 8 | 3 8 | |
| L4 | 1 4 5 | 2 | 1 4 | 3 | 5 9 | 8 | 6 | 1 5 9 | 7 | |
| L5 | 1 5 3 | 7 | 1 3 | 5 6 9 | 4 9 | 5 6 9 | 1 5 8 | 1 2 5 8 9 | 1 2 8 9 | |
| L6 | 5 6 | 5 6 8 | 9 | 1 | 2 9 | 7 | 5 8 | 3 | 4 | CONTRADICTION PAS DE L7C5 devient |
| L7 | 1 2 3 4 | 3 4 6 8 | 1 3 4 8 | 2 4 5 6 9 | 1 5 6 9 | 1 2 3 4 5 6 9 | 1 5 8 | 7 | 1 2 8 9 | |
| L8 | 1 2 4 | 8 | 5 | 2 4 7 9 | 1 7 9 | 1 2 4 9 | 3 | 1 2 8 9 | 6 | |
| L9 | 9 | 3 6 | 7 | 2 5 6 | 8 | 1 2 3 5 6 | 4 | 1 2 5 | 1 2 | |

| | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | |
|----|---------|------------|---------|--------------|------------|---------------|-------|-----------|-----------|--------------------------------|
| L1 | 4 7 | 9 | 6 | 4 7 8 | 3 | 1 4 | 2 | 1 4 8 | 5 | RVR 4 L4C1 1 L4C3 X L5C3 |
| L2 | 8 | 4 5 3 7 | 2 | 4 5 6 7 | 1 5 6 7 | 1 4 5 6 | 9 | 1 4 6 4 | 1 3 | |
| L3 | 4 5 3 | 1 | 4 3 | 4 5 6 8 9 | 2 5 6 9 | 2 4 5 6 9 | 7 | 4 6 4 | 3 8 | |
| L4 | 1 4 5 7 | 2 | 1 4 | 3 | 5 9 | 8 | 6 | 1 4 5 9 | 1 4 7 9 | |
| L5 | 1 5 6 7 | 3 5 6 7 | 3 8 | 2 5 6 9 | 4 9 | 2 5 6 9 | 1 5 8 | 1 2 5 8 9 | 1 2 7 8 9 | |
| L6 | 4 5 6 8 | 4 5 6 8 | 9 | 1 | 2 5 6 | 7 | 5 8 | 3 | 4 8 | |
| L7 | 1 2 3 4 | 3 4 6 8 | 1 3 4 8 | 2 4 5 6 9 | 1 5 6 9 | 1 2 3 4 5 6 9 | 1 5 8 | 7 | 1 2 8 9 | |
| L8 | 1 2 4 | 8 | 5 | 2 4 7 9 | 1 7 9 | 1 2 4 9 | 3 | 1 2 8 9 | 6 | |
| L9 | 9 | 3 6 | 7 | 2 5 6 | 8 | 1 2 3 5 6 | 4 | 1 2 5 | 1 2 | |

Solution Pas à Pas Grille du 20/05/18 Niveau 19 – C 20

| | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | | |
|----|---------------|-------------------|-------------------|--------------|------------|----------------|------------|------------|-----------------------------------|-----------------------------------|----------|
| L1 | 4 7 | 9 | 6 | 4 7 8 | 3 | 1 4 | 2 | 1 4 | 5 | | |
| L2 | 8 | 4 5 7 | 3 2 | 4 5 6 7 | 1 7 | 1 5 6 | 4 5 6 9 | 1 4 | 1 6 4 | 3 | |
| L3 | 4 5 3 | 1 | 4 3 | 4 5 6 8 9 | 2 9 | 2 5 6 | 4 5 6 9 | 7 | 4 8 | 6 4 8 | 3 |
| L4 | 1 4 5 7 | 2 | 1 4 | 3 | 5 | 8 | 6 | 1 4 5 | 1 2 9 | 3 4 7 | 9 |
| L5 | 1 5 6 | 3 7 | 4 8 | 3 | 2 5 6 | 4 | 2 5 6 | 1 5 | 1 2 5 | 1 2 5 | 1 2 5 |
| L6 | 4 5 6 8 | 4 5 6 8 | 9 | 1 | 2 5 6 | 7 | 5 8 | 3 | 4 | 2 8 | |
| L7 | 1 2 3 4 | 3 4 | 3 4 | 2 4 5 6 | 1 2 5 6 | 1 2 3 4 5 6 | 1 5 | 7 | 1 2 8 9 | 1 2 8 9 | |
| L8 | 1 2 4 | 4 8 | 5 | 2 7 9 | 1 2 7 9 | 1 2 9 | 3 | 1 2 8 9 | 1 2 8 9 | 6 | |
| L9 | 9 | 3 6 | 7 | 2 5 6 | 8 | 1 2 3 5 6 | 4 | 1 2 5 | 1 2 5 | | |

RVC Apui à partir 7 L1C1

RG 4 7 L1C1

RVM 7 L4C9

RVV 3 L3C3
5 L3C1
4 L3C9 ~~X~~ L4C9
6 L3C8
1 L2C8
3 L2C9
1 L9C9 ~~X~~ L4C9
1 L5C7
4 L4C8
1 L4C3
7 L4C1 ~~X~~ L5C1
6 L6C1 ~~X~~ L5C2
3 L5C1 ~~X~~ L5C2

| | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | | |
|----|---------------|-------------------|-------------------|--------------|------------|----------------|------------|------------|------------|------------|----------|
| L1 | 4 7 | 9 | 6 | 4 7 8 | 3 | 1 4 | 2 | 1 4 | 5 | | |
| L2 | 8 | 4 5 7 | 3 2 | 4 5 6 7 | 1 7 | 1 5 6 | 4 5 6 9 | 1 4 | 1 6 4 | 3 | |
| L3 | 4 5 3 | 1 | 4 3 | 4 5 6 8 9 | 2 9 | 2 5 6 | 4 5 6 9 | 7 | 4 8 | 6 4 8 | 3 |
| L4 | 1 4 5 7 | 2 | 1 4 | 3 | 5 | 8 | 6 | 1 4 5 | 9 7 | 9 | |
| L5 | 1 5 6 | 3 7 | 4 8 | 3 | 2 5 6 | 4 | 2 5 6 | 1 5 | 1 2 5 | 1 2 5 | 1 2 5 |
| L6 | 4 5 6 8 | 4 5 6 8 | 9 | 1 | 2 5 6 | 7 | 5 8 | 3 | 4 | 2 8 | |
| L7 | 1 2 3 4 | 3 4 | 3 4 | 2 4 5 6 | 1 2 5 6 | 1 2 3 4 5 6 | 1 5 | 7 | 1 2 8 9 | 1 2 8 9 | |
| L8 | 1 2 4 | 4 8 | 5 | 2 7 9 | 1 2 7 9 | 1 2 9 | 3 | 1 2 8 9 | 1 2 8 9 | 6 | |
| L9 | 9 | 3 6 | 7 | 2 5 6 | 8 | 1 2 3 5 6 | 4 | 1 2 5 | 1 2 5 | | |

EXTENSION RG

RVV 4 L6C2
4 L7C3
2 L5C8
9 L8C8
5 L9C8
5 L4C6
2 L6C5
5 L6C7
8 L6C9
7 L8C5
6 L2C5
9 L3C5
1 L7C5
2 L3C6
4 L8C6
2 L8C4
1 L8C1
6 L9C4
3 L9C2

GPONTRADICTION

PAS DE L9C3

OK

Solution Pas à Pas Grille du 20/05/18 Niveau 19 – C 20

| | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 |
|----|----|----|----|----|----|----|----|----|----|
| L1 | 7 | 9 | 6 | 4 | 3 | 1 | 2 | 1 | 5 |
| L2 | 8 | 4 | 5 | 2 | 4 | 5 | 6 | 9 | 1 |
| L3 | 4 | 5 | 1 | 4 | 4 | 5 | 6 | 7 | 3 |
| L4 | 1 | 4 | 2 | 3 | 5 | 8 | 6 | 1 | 7 |
| L5 | 1 | 5 | 7 | 3 | 2 | 4 | 1 | 1 | 2 |
| L6 | 4 | 5 | 6 | 9 | 1 | 2 | 7 | 5 | 3 |
| L7 | 1 | 2 | 3 | 1 | 2 | 1 | 2 | 3 | 1 |
| L8 | 1 | 2 | 4 | 5 | 1 | 2 | 3 | 1 | 2 |
| L9 | 9 | 6 | 7 | 5 | 6 | 8 | 4 | 1 | 2 |

RG 1 5 5 C2

RVR

3 L2C9

33 L79C2

RVB

8 L5C3

3 L5C1 L7C1

6 L6C1

8 L6C7

4 L6C9 L2C9

2 L6C7

| | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 |
|----|----|----|----|----|----|----|----|----|----|
| L1 | 7 | 9 | 6 | 4 | 3 | 1 | 2 | 1 | 5 |
| L2 | 8 | 4 | 5 | 2 | 4 | 5 | 6 | 9 | 1 |
| L3 | 4 | 5 | 1 | 4 | 4 | 5 | 6 | 7 | 3 |
| L4 | 1 | 4 | 2 | 3 | 5 | 8 | 6 | 1 | 7 |
| L5 | 1 | 5 | 7 | 3 | 2 | 4 | 1 | 1 | 2 |
| L6 | 4 | 5 | 6 | 9 | 1 | 2 | 7 | 5 | 3 |
| L7 | 1 | 2 | 3 | 1 | 2 | 1 | 2 | 3 | 1 |
| L8 | 1 | 2 | 4 | 5 | 1 | 2 | 3 | 1 | 2 |
| L9 | 9 | 6 | 7 | 5 | 6 | 8 | 4 | 1 | 2 |

RG 1 3 7 L5C3

RVR

8 L8C8 L5C8

8 L3C9 L5C9

8 L1C4

5 L2C2

4 L3C3

4 L8C2

1 L4C3

11 L78C1 L5C1

~~11~~ L4C8 (11 L4C13)

6 L3C8

3 L2C9

Solution Pas à Pas Grille du 20/05/18 Niveau 19 – C 20

| | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | EXTENSION RG |
|----|-------|-------|-------|---------|---------|-------------|-----|---------|---------|--|
| L1 | 7 | 9 | 6 | 4 | 3 | 1 | 2 | 1 | 5 | RVR 5 L6C7 1 L7C7 14 L12C8 9 L4C8 5 L4C5 4 L4C1 6 L6C1 |
| L2 | 8 | 4 5 | 2 | 4 5 6 | 1 5 6 | 1 4 5 6 | 9 | 1 4 6 | 1 3 | 8 L5C1 |
| L3 | 4 5 | 1 | 4 | 4 5 6 | 2 5 6 | 2 4 5 6 | 7 | 4 6 4 | 3 | 6 L6C5 (66 L6C12) |
| L4 | 1 4 5 | 2 | 1 | 3 | 5 | 8 | 6 | 4 5 | 7 | 5 L5C1 2 L7C1 1 L8C1 2 L5C8 1 L5C9 4 L6C9 9 L7C9 2 L9C9 5 L9C8 6 L7C6 |
| L5 | 5 | 7 | 3 | 2 5 6 | 4 | 2 5 6 | 1 5 | 1 2 5 | 1 2 | CONTRADICTION PAS DE L9C4 |
| L6 | 4 5 6 | 4 5 6 | 9 | 1 | 2 5 | 7 | 5 | 3 | 4 | OK |
| L7 | 1 2 4 | 3 4 6 | 1 3 4 | 2 4 5 6 | 1 2 5 6 | 1 2 3 4 5 6 | 1 5 | 7 | 1 2 8 9 | |
| L8 | 1 2 4 | 4 8 | 5 | 2 4 7 9 | 1 2 7 9 | 1 2 4 9 | 3 | 1 2 8 9 | 6 | |
| L9 | 9 | 3 6 | 7 | 2 5 6 | 8 | 1 2 3 5 6 | 4 | 1 2 5 | 1 2 | |

| | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | RG 1 |
|----|-------|-------|-------|---------|---------|-------------|-----|---------|---------|--|
| L1 | 7 | 9 | 6 | 4 | 3 | 1 | 2 | 1 | 5 | 3 4 L3C3 |
| L2 | 8 | 4 5 | 2 | 4 5 6 | 1 5 6 | 1 4 5 6 | 9 | 1 4 6 | 1 3 | RVB 5 L3C1 6 L3C5 1 L4C3 1 L7C5 4 L4C1 7 L8C5 6 L6C1 5 L2C5 5 L6C2 2 L7C1 2 L6C5 1 L8C1 8 L6C7 1 L1C6 4 L6C9 4 L2C6 6 L9C2 8 L1C4 2 L9C9 7 L2C4 9 L5C9 4 L1C8 8 L7C9 6 L2C8 4 L7C2 8 L3C8 8 L8C2 2 L8C6 5 L4C8 4 L8C4 1 L5C7 9 L3C6 2 L5C8 2 L3C4 9 L4C5 6 L7C6 1 L9C8 9 L7C4 9 L8C8 5 L9C4 3 L9C6 6 L5C4 5 L5C6 |
| L3 | 4 5 | 1 | 4 | 4 5 6 | 2 5 6 | 2 4 5 6 | 7 | 4 6 4 | 3 | |
| L4 | 1 4 5 | 2 | 1 | 3 | 5 | 8 | 6 | 4 5 | 7 | |
| L5 | 3 | 7 | 8 | 2 5 6 | 4 | 2 5 6 | 1 5 | 1 2 5 | 1 2 | |
| L6 | 4 5 6 | 4 5 6 | 9 | 1 | 2 5 | 7 | 5 | 3 | 4 | |
| L7 | 1 2 4 | 3 4 6 | 1 3 4 | 2 4 5 6 | 1 2 5 6 | 1 2 3 4 5 6 | 1 5 | 7 | 1 2 8 9 | |
| L8 | 1 2 4 | 4 8 | 5 | 2 4 7 9 | 1 2 7 9 | 1 2 4 9 | 3 | 1 2 8 9 | 6 | |
| L9 | 9 | 3 6 | 7 | 2 5 6 | 8 | 1 2 3 5 6 | 4 | 1 2 5 | 1 2 | |

Solution Pas à Pas Grille du 20/05/18 Niveau 19 – C 20

| | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 |
|----|----|----|----|----|----|----|----|----|----|
| L1 | 7 | 9 | 6 | 8 | 3 | 1 | 2 | 4 | 5 |
| L2 | 8 | 3 | 2 | 7 | 5 | 4 | 9 | 6 | 1 |
| L3 | 5 | 1 | 4 | 2 | 6 | 9 | 7 | 8 | 3 |
| L4 | 4 | 2 | 1 | 3 | 9 | 8 | 6 | 5 | 7 |
| L5 | 3 | 7 | 8 | 6 | 4 | 5 | 1 | 2 | 9 |
| L6 | 6 | 5 | 9 | 1 | 2 | 7 | 8 | 3 | 4 |
| L7 | 2 | 4 | 3 | 9 | 1 | 6 | 5 | 7 | 8 |
| L8 | 1 | 8 | 5 | 4 | 7 | 2 | 3 | 9 | 6 |
| L9 | 9 | 6 | 7 | 5 | 8 | 3 | 4 | 1 | 2 |