

Le chemin (2) ...

Aux échecs le déplacement du cavalier est original. Il se déplace en L



Sur l'échiquier ci-dessous, on imagine un cavalier sur une case, (celle de votre choix) puis on le déplace vers une autre case contenant un nombre supérieur, et on recommence tant que c'est possible...

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|----|----|----|----|----|----|----|----|
| 20 | 60 | 43 | 53 | 56 | 47 | 33 | 38 |
| 58 | 40 | 12 | 7 | 22 | 63 | 39 | 17 |
| 14 | 44 | 4 | 46 | 52 | 11 | 0 | 3 |
| 15 | 49 | 35 | 54 | 9 | 59 | 31 | 45 |
| 21 | 25 | 28 | 16 | 51 | 37 | 19 | 42 |
| 5 | 13 | 24 | 62 | 48 | 18 | 8 | 32 |
| 2 | 1 | 36 | 30 | 34 | 61 | 57 | 10 |
| 41 | 55 | 29 | 50 | 26 | 6 | 23 | 27 |

Quel est le plus long chemin ?

Correction :

Le chemin maximum a neuf étapes, il y a vingt-cinq solutions.

Fiche : 166

7 - 9 - 18 - 26 - 36 - 48 - 50 - 61 - 62

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 20 | 60 | 43 | 53 | 56 | 47 | 33 | 38 |
| 58 | 40 | 12 | 7 | 22 | 63 | 39 | 17 |
| 14 | 44 | 4 | 46 | 52 | 11 | 0 | 3 |
| 15 | 49 | 35 | 54 | 9 | 59 | 31 | 45 |
| 21 | 25 | 28 | 16 | 51 | 37 | 19 | 42 |
| 5 | 13 | 24 | 62 | 48 | 18 | 8 | 32 |
| 2 | 1 | 36 | 30 | 34 | 61 | 57 | 10 |
| 41 | 55 | 29 | 50 | 26 | 6 | 23 | 27 |

7 - 9 - 18 - 31 - 32 - 37 - 52 - 53 - 63

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 20 | 60 | 43 | 53 | 56 | 47 | 33 | 38 |
| 58 | 40 | 12 | 7 | 22 | 63 | 39 | 17 |
| 14 | 44 | 4 | 46 | 52 | 11 | 0 | 3 |
| 15 | 49 | 35 | 54 | 9 | 59 | 31 | 45 |
| 21 | 25 | 28 | 16 | 51 | 37 | 19 | 42 |
| 5 | 13 | 24 | 62 | 48 | 18 | 8 | 32 |
| 2 | 1 | 36 | 30 | 34 | 61 | 57 | 10 |
| 41 | 55 | 29 | 50 | 26 | 6 | 23 | 27 |

7 - 9 - 18 - 23 - 34 - 37 - 52 - 53 - 63

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 20 | 60 | 43 | 53 | 56 | 47 | 33 | 38 |
| 58 | 40 | 12 | 7 | 22 | 63 | 39 | 17 |
| 14 | 44 | 4 | 46 | 52 | 11 | 0 | 3 |
| 15 | 49 | 35 | 54 | 9 | 59 | 31 | 45 |
| 21 | 25 | 28 | 16 | 51 | 37 | 19 | 42 |
| 5 | 13 | 24 | 62 | 48 | 18 | 8 | 32 |
| 2 | 1 | 36 | 30 | 34 | 61 | 57 | 10 |
| 41 | 55 | 29 | 50 | 26 | 6 | 23 | 27 |

7 - 9 - 18 - 23 - 32 - 37 - 52 - 53 - 63

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 20 | 60 | 43 | 53 | 56 | 47 | 33 | 38 |
| 58 | 40 | 12 | 7 | 22 | 63 | 39 | 17 |
| 14 | 44 | 4 | 46 | 52 | 11 | 0 | 3 |
| 15 | 49 | 35 | 54 | 9 | 59 | 31 | 45 |
| 21 | 25 | 28 | 16 | 51 | 37 | 19 | 42 |
| 5 | 13 | 24 | 62 | 48 | 18 | 8 | 32 |
| 2 | 1 | 36 | 30 | 34 | 61 | 57 | 10 |
| 41 | 55 | 29 | 50 | 26 | 6 | 23 | 27 |

7 - 11 - 17 - 31 - 32 - 37 - 52 - 53 - 63

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 20 | 60 | 43 | 53 | 56 | 47 | 33 | 38 |
| 58 | 40 | 12 | 7 | 22 | 63 | 39 | 17 |
| 14 | 44 | 4 | 46 | 52 | 11 | 0 | 3 |
| 15 | 49 | 35 | 54 | 9 | 59 | 31 | 45 |
| 21 | 25 | 28 | 16 | 51 | 37 | 19 | 42 |
| 5 | 13 | 24 | 62 | 48 | 18 | 8 | 32 |
| 2 | 1 | 36 | 30 | 34 | 61 | 57 | 10 |
| 41 | 55 | 29 | 50 | 26 | 6 | 23 | 27 |

4 - 16 - 18 - 26 - 36 - 48 - 50 - 61 - 62

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 20 | 60 | 43 | 53 | 56 | 47 | 33 | 38 |
| 58 | 40 | 12 | 7 | 22 | 63 | 39 | 17 |
| 14 | 44 | 4 | 46 | 52 | 11 | 0 | 3 |
| 15 | 49 | 35 | 54 | 9 | 59 | 31 | 45 |
| 21 | 25 | 28 | 16 | 51 | 37 | 19 | 42 |
| 5 | 13 | 24 | 62 | 48 | 18 | 8 | 32 |
| 2 | 1 | 36 | 30 | 34 | 61 | 57 | 10 |
| 41 | 55 | 29 | 50 | 26 | 6 | 23 | 27 |

4 - 16 - 18 - 31 - 32 - 37 - 52 - 53 - 63

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 20 | 60 | 43 | 53 | 56 | 47 | 33 | 38 |
| 58 | 40 | 12 | 7 | 22 | 63 | 39 | 17 |
| 14 | 44 | 4 | 46 | 52 | 11 | 0 | 3 |
| 15 | 49 | 35 | 54 | 9 | 59 | 31 | 45 |
| 21 | 25 | 28 | 16 | 51 | 37 | 19 | 42 |
| 5 | 13 | 24 | 62 | 48 | 18 | 8 | 32 |
| 2 | 1 | 36 | 30 | 34 | 61 | 57 | 10 |
| 41 | 55 | 29 | 50 | 26 | 6 | 23 | 27 |

4 - 16 - 18 - 23 - 34 - 37 - 52 - 53 - 63

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 20 | 60 | 43 | 53 | 56 | 47 | 33 | 38 |
| 58 | 40 | 12 | 7 | 22 | 63 | 39 | 17 |
| 14 | 44 | 4 | 46 | 52 | 11 | 0 | 3 |
| 15 | 49 | 35 | 54 | 9 | 59 | 31 | 45 |
| 21 | 25 | 28 | 16 | 51 | 37 | 19 | 42 |
| 5 | 13 | 24 | 62 | 48 | 18 | 8 | 32 |
| 2 | 1 | 36 | 30 | 34 | 61 | 57 | 10 |
| 41 | 55 | 29 | 50 | 26 | 6 | 23 | 27 |

4 - 16 - 18 - 23 - 32 - 37 - 52 - 53 - 63

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 20 | 60 | 43 | 53 | 56 | 47 | 33 | 38 |
| 58 | 40 | 12 | 7 | 22 | 63 | 39 | 17 |
| 14 | 44 | 4 | 46 | 52 | 11 | 0 | 3 |
| 15 | 49 | 35 | 54 | 9 | 59 | 31 | 45 |
| 21 | 25 | 28 | 16 | 51 | 37 | 19 | 42 |
| 5 | 13 | 24 | 62 | 48 | 18 | 8 | 32 |
| 2 | 1 | 36 | 30 | 34 | 61 | 57 | 10 |
| 41 | 55 | 29 | 50 | 26 | 6 | 23 | 27 |

4 - 9 - 18 - 26 - 36 - 48 - 50 - 61 - 62

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 20 | 60 | 43 | 53 | 56 | 47 | 33 | 38 |
| 58 | 40 | 12 | 7 | 22 | 63 | 39 | 17 |
| 14 | 44 | 4 | 46 | 52 | 11 | 0 | 3 |
| 15 | 49 | 35 | 54 | 9 | 59 | 31 | 45 |
| 21 | 25 | 28 | 16 | 51 | 37 | 19 | 42 |
| 5 | 13 | 24 | 62 | 48 | 18 | 8 | 32 |
| 2 | 1 | 36 | 30 | 34 | 61 | 57 | 10 |
| 41 | 55 | 29 | 50 | 26 | 6 | 23 | 27 |

4 - 9 - 18 - 31 - 32 - 37 - 52 - 53 - 63

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 20 | 60 | 43 | 53 | 56 | 47 | 33 | 38 |
| 58 | 40 | 12 | 7 | 22 | 63 | 39 | 17 |
| 14 | 44 | 4 | 46 | 52 | 11 | 0 | 3 |
| 15 | 49 | 35 | 54 | 9 | 59 | 31 | 45 |
| 21 | 25 | 28 | 16 | 51 | 37 | 19 | 42 |
| 5 | 13 | 24 | 62 | 48 | 18 | 8 | 32 |
| 2 | 1 | 36 | 30 | 34 | 61 | 57 | 10 |
| 41 | 55 | 29 | 50 | 26 | 6 | 23 | 27 |

4 - 9 - 18 - 23 - 34 - 37 - 52 - 53 - 63

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 20 | 60 | 43 | 53 | 56 | 47 | 33 | 38 |
| 58 | 40 | 12 | 7 | 22 | 63 | 39 | 17 |
| 14 | 44 | 4 | 46 | 52 | 11 | 0 | 3 |
| 15 | 49 | 35 | 54 | 9 | 59 | 31 | 45 |
| 21 | 25 | 28 | 16 | 51 | 37 | 19 | 42 |
| 5 | 13 | 24 | 62 | 48 | 18 | 8 | 32 |
| 2 | 1 | 36 | 30 | 34 | 61 | 57 | 10 |
| 41 | 55 | 29 | 50 | 26 | 6 | 23 | 27 |

4 - 9 - 18 - 23 - 32 - 37 - 52 - 53 - 63

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 20 | 60 | 43 | 53 | 56 | 47 | 33 | 38 |
| 58 | 40 | 12 | 7 | 22 | 63 | 39 | 17 |
| 14 | 44 | 4 | 46 | 52 | 11 | 0 | 3 |
| 15 | 49 | 35 | 54 | 9 | 59 | 31 | 45 |
| 21 | 25 | 28 | 16 | 51 | 37 | 19 | 42 |
| 5 | 13 | 24 | 62 | 48 | 18 | 8 | 32 |
| 2 | 1 | 36 | 30 | 34 | 61 | 57 | 10 |
| 41 | 55 | 29 | 50 | 26 | 6 | 23 | 27 |

0 - 9 - 18 - 26 - 36 - 48 - 50 - 61 - 62

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 20 | 60 | 43 | 53 | 56 | 47 | 33 | 38 |
| 58 | 40 | 12 | 7 | 22 | 63 | 39 | 17 |
| 14 | 44 | 4 | 46 | 52 | 11 | 0 | 3 |
| 15 | 49 | 35 | 54 | 9 | 59 | 31 | 45 |
| 21 | 25 | 28 | 16 | 51 | 37 | 19 | 42 |
| 5 | 13 | 24 | 62 | 48 | 18 | 8 | 32 |
| 2 | 1 | 36 | 30 | 34 | 61 | 57 | 10 |
| 41 | 55 | 29 | 50 | 26 | 6 | 23 | 27 |

0 - 9 - 18 - 31 - 32 - 37 - 52 - 53 - 63

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 20 | 60 | 43 | 53 | 56 | 47 | 33 | 38 |
| 58 | 40 | 12 | 7 | 22 | 63 | 39 | 17 |
| 14 | 44 | 4 | 46 | 52 | 11 | 0 | 3 |
| 15 | 49 | 35 | 54 | 9 | 59 | 31 | 45 |
| 21 | 25 | 28 | 16 | 51 | 37 | 19 | 42 |
| 5 | 13 | 24 | 62 | 48 | 18 | 8 | 32 |
| 2 | 1 | 36 | 30 | 34 | 61 | 57 | 10 |
| 41 | 55 | 29 | 50 | 26 | 6 | 23 | 27 |

0 - 9 - 18 - 23 - 34 - 37 - 52 - 53 - 63

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 20 | 60 | 43 | 53 | 56 | 47 | 33 | 38 |
| 58 | 40 | 12 | 7 | 22 | 63 | 39 | 17 |
| 14 | 44 | 4 | 46 | 52 | 11 | 0 | 3 |
| 15 | 49 | 35 | 54 | 9 | 59 | 31 | 45 |
| 21 | 25 | 28 | 16 | 51 | 37 | 19 | 42 |
| 5 | 13 | 24 | 62 | 48 | 18 | 8 | 32 |
| 2 | 1 | 36 | 30 | 34 | 61 | 57 | 10 |
| 41 | 55 | 29 | 50 | 26 | 6 | 23 | 27 |

0 - 9 - 18 - 23 - 32 - 37 - 52 - 53 - 63

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 20 | 60 | 43 | 53 | 56 | 47 | 33 | 38 |
| 58 | 40 | 12 | 7 | 22 | 63 | 39 | 17 |
| 14 | 44 | 4 | 46 | 52 | 11 | 0 | 3 |
| 15 | 49 | 35 | 54 | 9 | 59 | 31 | 45 |
| 21 | 25 | 28 | 16 | 51 | 37 | 19 | 42 |
| 5 | 13 | 24 | 62 | 48 | 18 | 8 | 32 |
| 2 | 1 | 36 | 30 | 34 | 61 | 57 | 10 |
| 41 | 55 | 29 | 50 | 26 | 6 | 23 | 27 |



13 - 16 - 18 - 26 - 36 - 48 - 50 - 61 - 62

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 20 | 60 | 43 | 53 | 56 | 47 | 33 | 38 |
| 58 | 40 | 12 | 7 | 22 | 63 | 39 | 17 |
| 14 | 44 | 4 | 46 | 52 | 11 | 0 | 3 |
| 15 | 49 | 35 | 54 | 9 | 59 | 31 | 45 |
| 21 | 25 | 28 | 16 | 51 | 37 | 19 | 42 |
| 5 | 13 | 24 | 62 | 48 | 18 | 8 | 32 |
| 2 | 1 | 36 | 30 | 34 | 61 | 57 | 10 |
| 41 | 55 | 29 | 50 | 26 | 6 | 23 | 27 |



13 - 16 - 18 - 31 - 32 - 37 - 52 - 53 - 63

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 20 | 60 | 43 | 53 | 56 | 47 | 33 | 38 |
| 58 | 40 | 12 | 7 | 22 | 63 | 39 | 17 |
| 14 | 44 | 4 | 46 | 52 | 11 | 0 | 3 |
| 15 | 49 | 35 | 54 | 9 | 59 | 31 | 45 |
| 21 | 25 | 28 | 16 | 51 | 37 | 19 | 42 |
| 5 | 13 | 24 | 62 | 48 | 18 | 8 | 32 |
| 2 | 1 | 36 | 30 | 34 | 61 | 57 | 10 |
| 41 | 55 | 29 | 50 | 26 | 6 | 23 | 27 |

13 - 16 - 18 - 23 - 34 - 37 - 52 - 53 - 63

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 20 | 60 | 43 | 53 | 56 | 47 | 33 | 38 |
| 58 | 40 | 12 | 7 | 22 | 63 | 39 | 17 |
| 14 | 44 | 4 | 46 | 52 | 11 | 0 | 3 |
| 15 | 49 | 35 | 54 | 9 | 59 | 31 | 45 |
| 21 | 25 | 28 | 16 | 51 | 37 | 19 | 42 |
| 5 | 13 | 24 | 62 | 48 | 18 | 8 | 32 |
| 2 | 1 | 36 | 30 | 34 | 61 | 57 | 10 |
| 41 | 55 | 29 | 50 | 26 | 6 | 23 | 27 |

13 - 16 - 18 - 23 - 32 - 37 - 52 - 53 - 63

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 20 | 60 | 43 | 53 | 56 | 47 | 33 | 38 |
| 58 | 40 | 12 | 7 | 22 | 63 | 39 | 17 |
| 14 | 44 | 4 | 46 | 52 | 11 | 0 | 3 |
| 15 | 49 | 35 | 54 | 9 | 59 | 31 | 45 |
| 21 | 25 | 28 | 16 | 51 | 37 | 19 | 42 |
| 5 | 13 | 24 | 62 | 48 | 18 | 8 | 32 |
| 2 | 1 | 36 | 30 | 34 | 61 | 57 | 10 |
| 41 | 55 | 29 | 50 | 26 | 6 | 23 | 27 |

6 - 10 - 18 - 26 - 36 - 48 - 50 - 61 - 62

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 20 | 60 | 43 | 53 | 56 | 47 | 33 | 38 |
| 58 | 40 | 12 | 7 | 22 | 63 | 39 | 17 |
| 14 | 44 | 4 | 46 | 52 | 11 | 0 | 3 |
| 15 | 49 | 35 | 54 | 9 | 59 | 31 | 45 |
| 21 | 25 | 28 | 16 | 51 | 37 | 19 | 42 |
| 5 | 13 | 24 | 62 | 48 | 18 | 8 | 32 |
| 2 | 1 | 36 | 30 | 34 | 61 | 57 | 10 |
| 41 | 55 | 29 | 50 | 26 | 6 | 23 | 27 |

6 - 10 - 18 - 31 - 32 - 37 - 52 - 53 - 63

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 20 | 60 | 43 | 53 | 56 | 47 | 33 | 38 |
| 58 | 40 | 12 | 7 | 22 | 63 | 39 | 17 |
| 14 | 44 | 4 | 46 | 52 | 11 | 0 | 3 |
| 15 | 49 | 35 | 54 | 9 | 59 | 31 | 45 |
| 21 | 25 | 28 | 16 | 51 | 37 | 19 | 42 |
| 5 | 13 | 24 | 62 | 48 | 18 | 8 | 32 |
| 2 | 1 | 36 | 30 | 34 | 61 | 57 | 10 |
| 41 | 55 | 29 | 50 | 26 | 6 | 23 | 27 |

6 - 10 - 18 - 23 - 34 - 37 - 52 - 53 - 63

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 20 | 60 | 43 | 53 | 56 | 47 | 33 | 38 |
| 58 | 40 | 12 | 7 | 22 | 63 | 39 | 17 |
| 14 | 44 | 4 | 46 | 52 | 11 | 0 | 3 |
| 15 | 49 | 35 | 54 | 9 | 59 | 31 | 45 |
| 21 | 25 | 28 | 16 | 51 | 37 | 19 | 42 |
| 5 | 13 | 24 | 62 | 48 | 18 | 8 | 32 |
| 2 | 1 | 36 | 30 | 34 | 61 | 57 | 10 |
| 41 | 55 | 29 | 50 | 26 | 6 | 23 | 27 |

6 - 10 - 18 - 23 - 32 - 37 - 52 - 53 - 63

Fiche : 166

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 20 | 60 | 43 | 53 | 56 | 47 | 33 | 38 |
| 58 | 40 | 12 | 7 | 22 | 63 | 39 | 17 |
| 14 | 44 | 4 | 46 | 52 | 11 | 0 | 3 |
| 15 | 49 | 35 | 54 | 9 | 59 | 31 | 45 |
| 21 | 25 | 28 | 16 | 51 | 37 | 19 | 42 |
| 5 | 13 | 24 | 62 | 48 | 18 | 8 | 32 |
| 2 | 1 | 36 | 30 | 34 | 61 | 57 | 10 |
| 41 | 55 | 29 | 50 | 26 | 6 | 23 | 27 |

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