

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

Quel est le plus long chemin ?

Correction :

Le chemin maximum a neuf étapes, il y a quatorze solutions.

Fiche : 319

7 - 8 - 13 - 22 - 31 - 32 - 44 - 49 - 60

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

7 - 8 - 13 - 22 - 31 - 32 - 40 - 49 - 60

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

0 - 3 - 9 - 21 - 29 - 39 - 55 - 57 - 58

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

0 - 3 - 9 - 11 - 14 - 37 - 44 - 49 - 60

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

0 - 3 - 9 - 11 - 14 - 39 - 55 - 57 - 58

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| 24 | 36 | 44 | 4 | 55 | 12 | 47 | 63 |
| 49 | 45 | 3 | 52 | 32 | 48 | 57 | 20 |
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| 49 | 45 | 3 | 52 | 32 | 48 | 57 | 20 |
| 54 | 56 | 40 | 18 | 0 | 33 | 19 | 25 |
| 61 | 60 | 35 | 41 | 16 | 10 | 34 | 23 |
| 38 | 5 | 2 | 27 | 17 | 1 | 43 | 26 |

0 - 3 - 9 - 11 - 31 - 32 - 40 - 49 - 60

| | | | | | | | |
|----|----|----|----|----|----|----|----|
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| 49 | 45 | 3 | 52 | 32 | 48 | 57 | 20 |
| 54 | 56 | 40 | 18 | 0 | 33 | 19 | 25 |
| 61 | 60 | 35 | 41 | 16 | 10 | 34 | 23 |
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0 - 4 - 9 - 21 - 29 - 39 - 55 - 57 - 58

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 50 | 14 | 21 | 7 | 22 | 51 | 6 | 28 |
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0 - 4 - 9 - 11 - 14 - 37 - 44 - 49 - 60

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0 - 4 - 9 - 11 - 31 - 32 - 40 - 49 - 60

| | | | | | | | |
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| 37 | 9 | 39 | 42 | 8 | 31 | 62 | 58 |
| 24 | 36 | 44 | 4 | 55 | 12 | 47 | 63 |
| 49 | 45 | 3 | 52 | 32 | 48 | 57 | 20 |
| 54 | 56 | 40 | 18 | 0 | 33 | 19 | 25 |
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| 49 | 45 | 3 | 52 | 32 | 48 | 57 | 20 |
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