

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

Quel est le plus long chemin ?

Correction :

Le chemin maximum a dix étapes, il y a vingt-quatre solutions.

0 - 6 - 9 - 15 - 19 - 23 - 31 - 33 - 50 - 60

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



0 - 6 - 9 - 15 - 19 - 23 - 31 - 49 - 50 - 60

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



0 - 6 - 9 - 15 - 19 - 23 - 31 - 53 - 61 - 62

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

0 - 6 - 9 - 15 - 19 - 22 - 38 - 43 - 48 - 63

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

0 - 6 - 9 - 15 - 19 - 22 - 38 - 39 - 52 - 60

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

0 - 6 - 9 - 15 - 19 - 22 - 38 - 39 - 51 - 58

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

0 - 6 - 9 - 10 - 19 - 23 - 31 - 33 - 50 - 60

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

0 - 6 - 9 - 10 - 19 - 23 - 31 - 49 - 50 - 60

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

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 32 | 6 | 48 | 10 | 55 | 5 | 24 | 25 |
| 36 | 19 | 33 | 0 | 63 | 46 | 45 | 13 |
| 56 | 43 | 9 | 22 | 31 | 3 | 40 | 58 |
| 15 | 50 | 23 | 28 | 7 | 17 | 20 | 59 |
| 2 | 14 | 38 | 49 | 41 | 53 | 51 | 12 |
| 4 | 1 | 60 | 61 | 39 | 42 | 35 | 47 |
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0 - 6 - 9 - 10 - 19 - 22 - 38 - 43 - 48 - 63

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

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 32 | 6 | 48 | 10 | 55 | 5 | 24 | 25 |
| 36 | 19 | 33 | 0 | 63 | 46 | 45 | 13 |
| 56 | 43 | 9 | 22 | 31 | 3 | 40 | 58 |
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| 2 | 14 | 38 | 49 | 41 | 53 | 51 | 12 |
| 4 | 1 | 60 | 61 | 39 | 42 | 35 | 47 |
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0 - 7 - 9 - 15 - 19 - 23 - 31 - 33 - 50 - 60

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 32 | 6 | 48 | 10 | 55 | 5 | 24 | 25 |
| 36 | 19 | 33 | 0 | 63 | 46 | 45 | 13 |
| 56 | 43 | 9 | 22 | 31 | 3 | 40 | 58 |
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| 2 | 14 | 38 | 49 | 41 | 53 | 51 | 12 |
| 4 | 1 | 60 | 61 | 39 | 42 | 35 | 47 |
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| 32 | 6 | 48 | 10 | 55 | 5 | 24 | 25 |
| 36 | 19 | 33 | 0 | 63 | 46 | 45 | 13 |
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|----|----|----|----|----|----|----|----|
| 32 | 6 | 48 | 10 | 55 | 5 | 24 | 25 |
| 36 | 19 | 33 | 0 | 63 | 46 | 45 | 13 |
| 56 | 43 | 9 | 22 | 31 | 3 | 40 | 58 |
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| 2 | 14 | 38 | 49 | 41 | 53 | 51 | 12 |
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0 - 7 - 9 - 15 - 19 - 22 - 38 - 43 - 48 - 63

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

0 - 7 - 9 - 10 - 19 - 22 - 38 - 39 - 52 - 60

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

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