Stumbling Block

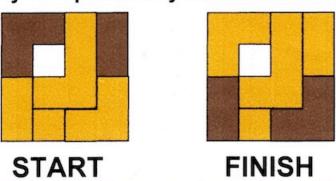


STUMBLING BLOCK

Exchange the four corners as shown.

Rules for moving: A piece is allowed to slide, fly or flip over to a new position.

Only one piece may be moved at a time.

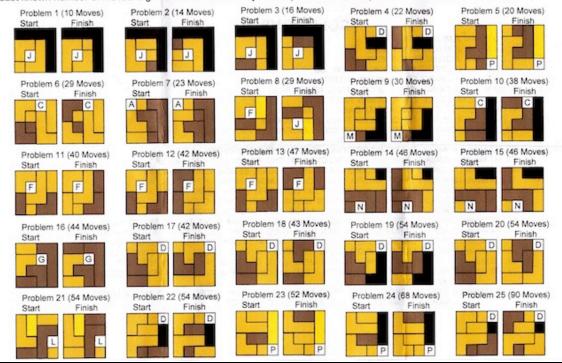


Designed by Dick Hess and made by Walt and Chris Hoppe 2010. (wood pieces in a cardboard box 5.3" x 3.8" x 7/8")

Stumbling Block Solution Sheets

PROBLEMS AND SOLUTIONS

Twenty-five problems are presented in approximate order of difficulty. Problems 1-4 are on reduced boards and are intended for warm-up. Black cells in the start and finish positions indicate cells that are not to be used. (It may help to tape pieces over these cells while solving.) In many problems the object is to exchange the positions of two congruent tiles. The solution with the least known number of moves is given and is indicated by the sequence of cells exposed from one move to the next.



SOLUTIONS

- (10 Moves) J MGJIK EOFNJ
- 2. (14 Moves) J KFNJG MNKIM JOEJ
- 3. (16 Moves) J OGJIN KEMOF IGEIN J
- 4. (22 Moves) D CKDJM KIAME NIKEJ DAINK CD
- (20 Moves) P NFAPO EBJEO AKFNK AOJBP
- 6. (29 Moves) C FAJNP CEMGF JPDBI AFDJC IGMFD PNJC
- 7. (23 Moves) A BKOCF EKINF CEMKB AIJGC OFA
- 8. (29 Moves) F KIFCO JGINF AGEMJ BAIGO MFKBE GKNJ
- 9. (30 Moves) M FDNKC MJFCI NGEMK FIJEG JICFK MDGNM
- 10. (38 Moves) C AIMOG BFOMI KNFMJ OFKCO GJMCF NKIMO FBGOM IAC
- 11. (40 Moves) F BJANI FAKOM EGPNJ LOGDF HPJGE JMDLK IFNME KAJBF
- 12. (42 Moves) F NICFE GAKPC BJLDF OPHCI KDOMF HPDLF MOGEI NPKAJ BF
- 13. (47 Moves) F BJNIA KOMJE GPNFL OICKJ CIGDM FHPNJ GEJMD LKIFN MEKAJ BF
- 14. (46 Moves) N CMOLB NPFBE MOGEB CIABJ MFNME JBNIC BEGOM EBAFP NBLOM N
- 15. (46 Moves) N MOLBN PFABE MOGBA KFBJG OJMFN KMOGJ BGOMK AFPNM EBLOM N
- 16. (44 Moves) G OCAIN GBFNI KCOMF KNJGO CKFCO JNKFM OCKIN FBGNI ACOG
- 17. (42 Moves) D ACKDG OMEKN JOGJN HCKEB GDKHN JGOJN KDBEM OGDKC AD
- 18. (43 Moves) D ACKDG AKBDA CKDFI NHDKC AJHDB FKHNI GOMFE MOGDK CAD
- 19. (54 Moves) D ACKDG AKBDA CKDFI NKEMN FAIKM JBEJM KIFNM EKNIF DKCAD BKAGD KCAD
- 20. (54 Moves) D ACKDG AKBDA CKDFI NHGEB JMKIA GJLGH KMEFD LJCHN IGOMF EMOGD KCAD
- 21. (54 Moves) L PHCFL DBJMF NPMGP HCIKP GJLDP HFKHP DLGPK IGMIC HPNFM JBDLF CHPL
- 22. (54 Moves) D NPCFE MDGAK BJGDM OFCIN JGEMP NFIMJ EGJPI CFODG JBKAG DOMEF CPND
- 23. (52 Moves) P OJIAP KMGNF KPACJ OEPDF KIFAE JBAIK FDBEO JCDPK FNGMK PCAIJ OP
- 24. (68 Moves) P OJIAP KMGNF KPACJ OEBFK IFGMP NIACM EFNIF EJCAI NPJMG FIKFB EOJCP KFNGM KPCAI JOP
- 25. (90 Moves) D CFEMD GAKBJ GDNFC IKMJG EJMKI FNMEG KLNIC JPDFO MPNFD MKCIM LFNPG MOKIN FGEMK FIJEG JMKIC FNDGJ BKAGD MEFCD