## Moon and Star




Problem 1
(40 moves)


Designed and made by Diniar Namdarian, 2016; sleeve by J. A. Storer.
(laser cut plastic, $3+9 / 16^{\prime \prime} \times 6+3 / 8^{\prime \prime} \times 3 / 8^{\prime \prime}$ thick)
A two layer puzzle where the top tip of the moon overlaps (but is not attached to) the square next to it (and the raised tray edges prevents that tip from overlapping edges). Here are steps 1 through 40 from solutions provided by the puzzle directions for Problem 1:


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## Moon and Start Position Notation

In the solutions to follow, for each position, the bottom layer is to the left of the vertical row of $\$$ 's, and the top layer is to the right. For example, here are steps 0 to 2 of Problem 1 solution:
\# 0 :
A A $1 \begin{array}{llllll}1 & 1 & \$ & A & A\end{array}$
A A $111 \$ \mathrm{~A} A$
B B $\quad \$ \quad B \quad B$
B B $\quad \$ \quad B \quad B$
C C D D \$ C C
C C D D \$ C C D
22 S S
22 S S
\#1. Move D north 2 units:
A A $1 \begin{array}{llllll}1 & 1 & \$ & A & A & A\end{array}$
A A 1 1 1 \$ $A$ A
B B D D $\$$ B B
$\begin{array}{llllllll}\text { B } & \mathbf{B} & \text { D } & \text { D } & \$ & B & B & \text { D } \\ \text { C } & \text { C } & & & \$ & C & C & \\ C & C & & & \$ & C & C & \\ 2 & 2 & S & S & \$ & & & \\ 2 & 2 & S & S & \$ & & & \end{array}$
\#2. Move $S$ north 2 units:
A A $1 \begin{array}{llllll}1 & \$ & A & A\end{array}$
A A $111 \$ \mathrm{~A} A$
B B D D \$ B B
B $\quad$ B $\quad D \quad D \quad \$ \quad B \quad B \quad D$
C C S S
C C S S $\mathbf{C}$ C
22
22

Moon and Star Solution, Problem 1
Starting with Step 2, here is every second step of a 40 moves solution:

| \#2. Move $\mathrm{S}:$ <br> A A 1 1 \$ A A A <br> A A 1 1 \$ A A <br> B B D D \$ B B <br> B B D D \$ B B D <br> C C S S \$ C C <br> C C S S \$ C C <br> $\begin{array}{lll}2 & 2 & \$ \\ 2 & 2 & \$\end{array}$ | \#4. Move C: <br> A A $111 \$ \mathrm{~A} A \mathrm{~A}$ <br> A A $111 \$ \mathrm{~A} A$ <br> B B D D \$ B B <br> $B B D D \$ B B D$ <br> S S \$ <br> S S \$ <br> C C 22 \$ C C <br> C C 22 S C C | \#6. Move D: <br> A A $111 \$ \mathrm{~A} A \mathrm{~A}$ <br> A A $111 \$ \mathrm{~A} A$ <br> D D $\$$ <br> D D $\$ \mathrm{D}$ <br> B B S S $\$ \mathrm{~B}$ B <br> B B S S \$ B B <br> C C $22 \$ \mathrm{C}$ C <br> C C 22 S C C | \#8 Move $2:$     <br> A A 1 1 $\$$ $A$ A A |
| :---: | :---: | :---: | :---: |
| $\begin{array}{lllllllll} \hline \# & \# & 10 & & \text { Move } & \text { B: } & & \\ \text { A } & \text { A } & 1 & 1 & \$ & \text { A } & \text { A } & \text { A } \\ \text { A } & \text { A } & 1 & 1 & \$ & \text { A } & \text { A } & & \\ \text { D } & \text { D } & \text { S } & \text { S } & \$ & & & & \\ \text { D } & \text { D } & \text { S } & \text { S } & \$ & \text { D } & & \\ & & 2 & 2 & \$ & & & \\ & & 2 & 2 & \$ & & & & \\ \text { B } & \text { B } & \text { C } & \text { C } & \$ & \text { B } & \text { B } & \text { C } & \text { C } \\ \text { B } & \text { B } & \text { C } & \text { C } & \$ & \text { B } & \text { B } & \text { C } & \text { C } \\ \hline \end{array}$ |  |  | $\begin{array}{\|lllllllll\|} \hline \# & \# & 6 & & \text { Move } & \text { D: } & & \\ 1 & 1 & \text { S } & \text { S } & \$ & & & \\ 1 & 1 & \text { S } & \text { S } & \$ & & & & \\ \text { A } & \text { A } & 2 & 2 & \$ & \text { A } & \text { A } & \text { A } \\ \text { A } & \text { A } & 2 & 2 & \$ & \text { A } & \text { A } & & \\ & & \text { D } & \text { D } & \$ & & & & \\ & & \text { D } & \text { D } & \$ & & & \text { D } & \\ \text { B } & \text { B } & \text { C } & \text { C } & \$ & \text { B } & \text { B } & \text { C } & \text { C } \\ \text { B } & \text { B } & \text { C } & \text { C } & \$ & \text { B } & \text { B } & \text { C } & \text { C } \\ \hline \end{array}$ |
| $\begin{array}{lllllllll} \hline \# & \# & 18 & \text { Move } & 2 & : & & \\ 1 & 1 & \mathrm{~S} & \mathrm{~S} & \$ & & & \\ 1 & 1 & \mathrm{~S} & \mathrm{~S} & \$ & & & & \\ 2 & 2 & & & \$ & & & & \\ 2 & 2 & & & \$ & & & & \\ \text { A } & \text { A } & \mathrm{D} & \mathrm{D} & \$ & \mathrm{~A} & \mathrm{~A} & \mathrm{~A} & \\ \mathrm{~A} & \mathrm{~A} & \mathrm{D} & \mathrm{D} & \$ & \mathrm{~A} & \mathrm{~A} & \mathrm{D} & \\ \mathrm{~B} & \mathrm{~B} & \mathrm{C} & \mathrm{C} & \$ & \mathrm{~B} & \mathrm{~B} & \mathrm{C} & \mathrm{C} \\ \mathrm{~B} & \mathrm{~B} & \mathrm{C} & \mathrm{C} & \$ & \mathrm{~B} & \mathrm{~B} & \mathrm{C} & \mathrm{C} \\ \hline \end{array}$ |  | \#22. Move A: <br> $22111 \$$ <br> $2 \begin{array}{lllll}2 & 1 & 1\end{array}$ <br> A A S S S A A A <br> AASSSAA <br> D D \$ <br> D D \$ <br>  <br> B B C C \$ B B C C |  |
|  | \#28. Move D: <br> A A 22 \$ A A A <br> AA2 2 \$AA <br> D D 1 1 \$ <br> D D 1 <br> S S \$ <br> S S \$ <br> B B C C $\$ \mathrm{~B}$ B C C <br> B B C C \$ B B C C | \#30. Move 1: <br> A A $22 \$ \mathrm{~A} A \mathrm{~A}$ <br> AA $22 \$ \mathrm{AA}$ <br> D D $\$$ <br> D D $\$ \mathrm{D}$ <br> S S 1 1 <br> S S $\quad 111 \$$ <br> B B C C \$ B B C C <br> B B C C \$ B B C C | $\begin{array}{\|lllllllll\|} \hline \# & \# & 3 & & \text { Move } & \text { S: } & & & \\ \text { A } & \text { A } & 2 & 2 & \$ & \text { A } & \text { A } & \text { A } \\ \text { A } & \text { A } & 2 & 2 & \$ & \text { A } & \text { A } & & \\ \text { S } & \text { S } & \text { D } & \text { D } & \$ & & & & \\ \text { S } & \text { S } & \text { D } & \text { D } & \$ & & & \text { D } \\ & & 1 & 1 & \$ & & & & \\ & & 1 & 1 & \$ & & & & \\ \text { B } & \text { B } & \text { C } & \text { C } & \$ & \text { B } & \text { B } & \text { C } & \text { C } \\ \text { B } & \text { B } & \text { C } & \text { C } & \$ & \text { B } & \text { B } & \text { C } & \text { C } \\ \hline \end{array}$ |
| \#34. Move C: <br> A A $22 \$ \mathrm{~A} A \mathrm{~A}$ <br> AA $22 \$ \mathrm{~A} A$ <br> S S D D \$ <br> S S D D \$ <br> $\begin{array}{lllllll}\mathrm{B} & \mathrm{B} & 1 & 1 & \$ & \mathrm{~B} & \mathrm{~B}\end{array}$ <br>  <br> C C $\quad \$ \mathrm{C} C$ <br> C C $\quad \$ \mathrm{C} C$ | \#36. Move D: <br> A A 22 \$ A A A <br> A A 22 \$ A A <br> S S \$ <br> S S \$ <br> B B D D \$ B B <br> $B B D D \$ B B D$ <br> C C 1 1 1 \$ C C <br> C C 11 \$ C C | \#38. Move B: <br> A A $22 \$ \mathrm{AAA}$ <br> A A 22 \$ A A <br> B B S S \$ B B <br> B B S S \$ B B <br> D D \$ <br> D D \$ <br> D <br> C C $1 \begin{array}{lllll} & 1 & \$ & C\end{array}$ <br> C C 1 1 \$ C C |  |

## Moon and Star Solution, Problem 2

Here is every second step of a 27 moves solution:

| \# 0 : | \#2. Move C: | \#4. Move S: |
| :---: | :---: | :---: |
| A A $111 \$ \mathrm{~A}$ A A | A A $11 \$ \mathrm{~A}$ A A | A A $111 \$ \mathrm{~A}$ A A |
| A A $111 \$ \mathrm{~A}$ A | A A $11 \$ \mathrm{~A}$ A | A A $11 \$ \mathrm{~A}$ A |
| B B S S ${ }_{\text {S }}$ B | В $\mathrm{B}^{\text {S S }}$ \$ B В | S S |
| B B S S \$ B B | В $\mathrm{B}^{\text {S S }}$ \$ B B | S S |
| C C D D \$ C C | D D \$ | B B D D \$ B B |
| C C D D \$ C C D | D D \$ D | B B D D \$ B B D |
| 22 \$ | C C 22 \$ C C | C C 22 \$ C C |
| 22 \$ | C C 22 \$ C C | C C 22 \$ C C |
| \#6. Move 2: | \#8. Move B: | \#10. Move D: |
| A A $11 \$ \mathrm{~A}$ A A | AA11 \$ A A A | A A $11 \$ \mathrm{~A} A \mathrm{~A}$ |
| A A $111 \$$ A A | A A $11 \$ \mathrm{~A}$ A | A A $11 \$ \mathrm{~A}$ A |
| S S D D \$ | S S D D \$ | D D \$ |
| S S D D \$ D | S S D D \$ D | D D |
| В В 22 \$ B B | 22 \$ | S S 22 \$ |
| В В 22 \$ В В | 22 \$ | S S 22 |
| C C $\quad$ S C C | B B C C \$ B C C | В B C C \$ B B C C |
| C C $\quad$ S C C | B B C C \$ B B C C | B B C C \$ B B C C |
| \#12. Move S: | \#14. Move A: | \#16. Move 2: |
| A A $11 \$$ A A A | 11 \$ | 1122 |
| A A $111 \$ \mathrm{~A} A$ | 11 \$ | $1122 \$$ |
| D D 22 \$ | A A 22 \$ AAA | A A \$ A A A |
| D D 22 \$ | A 22 \$ AA | A A $\quad$ S A A |
| S S \$ | D D S S \$ | D D S S \$ |
| S S \$ | D D S S \$ D | D D S S |
| В в С С \$ b в С С | В в С С \$ b b C C | В $\quad$ В C C \$ b b C C |
| В B C C \$ B B C C | В В С С $\$$ В в С С | B B C C \$ B B C C |
| \#18. Move D: | \#20. Move 1: | \#22. Move S: |
| 1122 | 22 \$ | 22 S S |
| $11222 \$$ | 22 | 22 S S |
| A A S S SAA | 11 S S \$ | 11 |
| A ASSSAA | 11 S S | 118 |
| D D \$ | $A A D D \$ A A A$ | A A D D \$ A A |
| D D \$ D | AA D D \$ A A D | AA D D \$ A A |
| В в С С \$ b $\quad$ C C | В в С С \$ в в С С |  |
| В В С С \$ B B C C | В в С С \$ в в С С | B B C C \$ B B C C |
| \#24. Move A: | \#26. Move C: | \#27. Move D: |
| $22 \mathrm{~S} \mathrm{~S} \mathrm{\$}$ | $22 \mathrm{~S} \mathrm{~S} \mathrm{\$}$ | 22 S S \$ |
| 22 S S \$ | 22 S S \$ | 22 S S |
| A A $111 \$ \mathrm{~A} A \mathrm{~A}$ | AA11\$AAA | A A $11 \begin{aligned} & \text { ¢ A A A }\end{aligned}$ |
| A A $11 \$$ A A | AA11\$ A A | A A $11 \$ \mathrm{~A}$ A |
| D D | B B D D \$ B B |  |
| D D \$ D | B B D D \$ B B D | В B \$ B B |
| B B C C \$ B B C C | C C \$ C C | C C D D \$ C C |
| В B C C \$ B B C C | C C $\quad$ ¢ C C | C C D D \$ C C D |

Moon and Star Solution, Problem 3
Here is a 12 moves solution:

| \#0: | \#1. Move D: | \#2. Move C: |
| :---: | :---: | :---: |
| $11 \mathrm{~S} \mathrm{~S} \mathrm{\$}$ | 11 S S | 11 S S |
| 11 S S | 11 S S \$ | 11 SS \$ |
| A A 221 \$ AAA | A A $22 \$$ A A A | A A 22 \$ AAA |
| A A 22 \$ A A | $A \mathrm{~A} 2 \mathrm{~L}$ A A | $A \mathrm{~A} 2 \mathrm{~L}$ A A |
| B B ${ }_{\text {B B }}$ | B B D D \$ B B | B B D D \$ B B |
| B B $\quad \$ \mathrm{~B}$ B | $B \mathrm{~B} D \mathrm{D} \$ \mathrm{~B}$ B D | B B D D \$ B D |
| C C D D \$ C C | C C \$ C C | C C \$ C C |
| C C D D \$ C C D | C C \$ C C | C C \$ C c |
| \#3. Move B: | \#4. Move A: | \#5. Move 1: |
| 11 S S | 11 SS \$ | S S \$ |
| 11 S S | 11 S S \$ | S S |
| A A 221 \$ AAA | 22 \$ | 1122 \$ |
| A $A 22 \$ \mathrm{~A} A$ | 22 \$ | 1122 |
| D D | A A D D \$ A A A | $A A D D \$ A A A$ |
| D D \$ D | A A D D \$ A A D | $A A D D \$ A A D$ |
| В в С С \$ в в С С | В в С С \$ в в С С | В в С С \$ в в С С |
| В B C C \$ B B С С | В В С С \$ B B С С | В В С С \$ В В С С |
| \#6. Move S: | \#7. Move 2: | \#8. Move 1: |
| S S \$ | S S 22 \$ | S S 22 \$ |
| S S | S S 22 \$ | S S 22 \$ |
| 1122 | 118 | 11 \$ |
| 1122 \$ | 118 | 11 \$ |
| AA D D \$ A A A | AA D D \$ A A A | AA D D \$ A A A |
| $A A D D \$ A A D$ | AAD D \$ A A D | AA D D \$ A A D |
| B B C C \$ b b C C | В $\quad$ C C \$ b b C C |  |
| В $\quad$ C C \$ B B C C | В $\quad$ C C \$ B B C C | В в С С \$ в в С С |
| \#9. Move A: | \#10. Move B: | \#11. Move C: |
| S S 22 \$ | S S 22 \$ | S S 22 \$ |
| S S 22 \$ | S S 22 \$ | S S 22 \$ |
| A A $111 \$ \mathrm{~A}$ A A | A A $111 \$ \mathrm{~A} A \mathrm{~A}$ | A A $111 \$ \mathrm{~A} A \mathrm{~A}$ |
| A A $111 \$$ A A | A A $111 \$ \mathrm{~A} A$ | A A $111 \$ \mathrm{~A} A$ |
| D D \$ | B B D D \$ B B | B B D D \$ B B |
| D D \$ D | B B D D \$ B B D | B B D D \$ B B D |
| В $\quad$ C C \$ B B C C | C C \$ C C | C C \$ C C |
| B B C C \$ B B C C | C c \$ C C | C C \$ C C |
| \#12. Move D: |  |  |
| S S 22 \$ |  |  |
| S S 22 \$ |  |  |
| A A $111 \$ \mathrm{~A} A \mathrm{~A}$ |  |  |
| A A $111 \$ \mathrm{~A} A$ |  |  |
|  |  |  |
| В B $\quad$ ¢ $\mathrm{B}^{\text {B }}$ |  |  |
| C C D D \$ C C |  |  |
| C C D D \$ C C D |  |  |

## Moon and Star Solution, Problem 4

Here is every second step of a 25 moves solution:

| \#0: | \#2. Move C: | \#4. Move A: |
| :---: | :---: | :---: |
| S S $\quad 1 \begin{aligned} & 1\end{aligned}$ | S S 111 \$ | S S 111 \$ |
| S S 1118 | S S 111 \$ | S S 111 |
| A A 22 \$ AAA | AA $22 \$ \mathrm{~A} A \mathrm{~A}$ | 22 |
| A A 2 2 \$ A A | A $\mathrm{A} 22 \$ \mathrm{~A} A$ | 22 |
| B B $\quad$ B B | B B D D \$ B B | AA D D \$ AAA |
| B B $\quad \$$ B ${ }^{\text {B }}$ | B B D D \$ B B D | A A D D \$ A A D |
| C C D D \$ C C | C C $\$$ C C | В $\quad$ C C \$ B B C C |
| C C D D \$ C C D | C C \$ C C | В В С С \$ B С С |
| \#6. Move 1: | \#8. Move S: | \#10. Move D: |
| 1118 | 1122 \$ | 1122 \$ |
| $\begin{array}{ll}1 & 1\end{array}$ | 1122 \$ | 1122 |
| S S 22 | S S \$ | A ASS\$AAA |
| S S 22 | S S \$ | A A S S S A |
| $A A D D \$ A A A$ | $A A D D \$ A A$ | D D \$ |
| $A A D D \$ A A D$ | $A A D D \$ A A D$ | D D ${ }^{\text {D }}$ D |
| В $\quad$ C C \$ B B C C | В В С С \$ в В С С | В $\quad$ C C $\quad$ \$ B B C C |
| B B C C \$ B C C | B B C C \$ B C C C | B B C C \$ B C C |
| \#12. Move 2: | \#14. Move A: | \#16. Move B: |
| 1118 | A A $111 \$ \mathrm{~A} A \mathrm{~A}$ | A A $111 \$$ A A A |
| $\begin{array}{llll}1 & 1 & \end{array}$ | A A $111 \$ \mathrm{~A} A$ | A A $111 \$$ ¢ A |
| $\begin{array}{llll}\text { A } & 2 & 2\end{array}$ | 22 \$ | D D 22 \$ |
| A A 2 \$ A A | 22 \$ | D D $22 \$ \mathrm{D}$ |
| D D S S \$ | D D S S \$ | B $\quad$ S S \$ B B |
| D D S S \$ D | D D S S \$ D | B B S S \$ B B |
| В $\quad$ C C \$ b b C C | В В С С \$ в в С С | C C \$ C C |
| В в С С \$ в в С С | В в С С \$ в в С С | C C \$ C C |
| \#18. Move S: | \#20. Move D: | \#22. Move C: |
| A A $111 \$ \mathrm{~A}$ A A | A A $111 \$ \mathrm{~A} A \mathrm{~A}$ | A A 1 1 \$ A A A |
| A A $111 \$ \mathrm{~A} A$ | $\mathrm{A} A 11 \$ \mathrm{~A} A$ | $\mathrm{A} A 11 \$ \mathrm{~A} A$ |
| D D 22 \$ | D D | B B D D \$ B $\mathrm{B}^{\text {d }}$ |
| D D 22 \$ D | D D \$ D | B B D D \$ B B D |
| B B $\quad \$$ B B | В В $22 \$$ B B | C C $22 \$$ C C |
| B B $\quad \$ \mathrm{~B}$ B | В В 22 \$ В В | C C 22 \$ C C |
| C C S S \$ C C | C C S S \$ C C | S s \$ |
| C c s S \$ c c | c c s s \$ c c | S S |
| \#24. Move 2: | \#25. Move D: |  |
| A A $111 \$ \mathrm{~A} A \mathrm{~A}$ | AA $11 \$ \mathrm{~A} A \mathrm{~A}$ |  |
| A A $111 \$ \mathrm{~A} A$ | A A $11 \$ \mathrm{~A} A$ |  |
| B B D D \$ B B |  |  |
| B B D D \$ B B D |  |  |
| C C \$ C C | C C D D \$ C C |  |
| C C \$ C C | C C D D \$ C C D |  |
| S S 22 \$ | S S 22 \$ |  |
| S S 22 \$ | S S 22 \$ |  |

## Moon and Star Solution, Problem 5

Here is every second step of a 38 moves solution:

| \#0: <br> A A 1 1 1 \$ A A A <br> A A $11 \$ \mathrm{~A} A$ <br> $B$ B $\quad \$ \mathrm{~B}$ B <br> $B \quad B \quad \$ B E$ <br> C C D D \$ C C <br> C C D D $\$ \mathrm{C} C \quad \mathrm{D}$ <br> S S 22 \$ <br> S S 22 \$ | \#2. Move 2: <br> A A 1 1 $\begin{aligned} & \text { A A A A }\end{aligned}$ <br> AA11 1 A A A <br> B B D D \$ B B <br> $B B D D \$ B B D$ <br> C C $22 \begin{array}{lll} & \$ & C\end{array}$ <br> $\begin{array}{lllllll}\text { C } & \text { C } & 2 & 2 & \$ & C & C \\ S & S & & & \$ & & \\ S & S & & & \$ & & \end{array}$ | \#4. Move C: <br> A A 1 1 1 SAA A <br> A A $111 \$ \mathrm{~A} A$ <br> B B D D \$ B B <br> B B D D \$ B B D <br> 22 \$ <br> $22 \$$ <br> C C S S \$ C C <br> C C S S \$ C C | \#6. Move D: <br> A A 1 1 1 A A A <br> A A $11 \$ \mathrm{~A} A$ <br> D D \$ <br> D D $\$ \mathrm{D}$ <br> $\begin{array}{llllll}\mathrm{B} & \mathrm{B} & 2\end{array} \mathrm{~B} \mathrm{~B}$ <br> B B $22 \$ \mathrm{~B}$ B <br> C C S S \$ C C <br> C C S S \$ C C |
| :---: | :---: | :---: | :---: |
| \#8. Move S: | \#10. Move B: | \#12. Move A: | \#14. Move 2: |
| A A 1 1 \$ A A A | A A $111 \$ \mathrm{~A} A \mathrm{~A}$ | 11 \$ | $11222 \$$ |
| A A $111 \$ \mathrm{~A}$ A | A A $111 \$ \mathrm{~A} A$ | 1 \$ | $1 \begin{array}{llll}1 & 1 & 2 & \\ 1\end{array}$ |
| D D 22 \$ | D D 22 \$ | A A 22 \$ A A A | A A $\quad \$ \mathrm{~A} A \mathrm{~A}$ |
| D D 22 \$ D | D D $22 \$ \mathrm{D}$ | A A 22 \$ A A | A A $\quad$ A A A |
| B B S S \$ B B | S S \$ | D D S S | D D S S \$ |
| B B S S \$ B B | S S \$ | D D S S \$ D | D D S S \$ D |
| C C $\quad$ S C C | B B C C \$ B B C C | B B C C \$ B B C C | B B C C \$ B B C C |
| C C $\quad$ S C C | B B C C \$ B B C C | B B C C \$ B B C C | B B C C \$ B B C C |
| \#16. Move D: | \#18. Move 1: | \#20. Move S: | \#22. Move A: |
| $1 \begin{array}{lll}1 & 1 & 2\end{array}$ | 22 \$ | 22 S S \$ | 22 S S \$ |
| $1 \begin{array}{llll}1 & 1 & 2 & 2\end{array}$ | 22 \$ | 22 S S \$ | 22 S S \$ |
| A A S S \$ A A A | 1 1 S S \$ | $1 \begin{array}{ll}1 & 1\end{array}$ | A A $1111 \$ \mathrm{~A} A \mathrm{~A}$ |
| A A S S \$ A A | 11 S S \$ | 111 \$ | A A $111 \$ \mathrm{~A} A$ |
| D D \$ | A A D D \$ A A A | A A D D \$ A A A | D D \$ |
| D D \$ D | A A D D \$ A A D | A A D D \$ A A D | D D \$ D |
| B B C C \$ B B C C | B B C C \$ B B C C | B B C C \$ B B C C | B B C C \$ B B C C |
| B B C C \$ B B C C | B B C C \$ B B C C | B B C C \$ B B C C | B B C C \$ B B C C |
| \#24. Move 1: | \#26. Move 2: | \#28. Move D: | \#30. Move C: |
| 22 S S | 22 \$ | A A 222 \$ A A A | A A 22 \$ A A A |
| 22 S S \$ | 22 \$ | A A $22 \$ \mathrm{~A}$ A | A A $22 \$ \mathrm{~A} A$ |
| A A $\quad$ A A A A | A A S S \$ A A A | D D S S | D D S S \$ |
| A A $\quad$ \& A A | A A S S \$ A A | D D S S \$ D | D D S S \$ D |
| D D $111 \$$ | D D $111 \$$ | 11 \$ |  |
| D D 1 1 1 \$ D | D D 1 1 \$ D | 11 \$ | B $\mathrm{B} 1118 \$ \mathrm{~B}$ B |
| B B C C \$ B B C C | B $\quad$ B C C C \$ B B C C | B B C C \$ B B C C | C C \$ C C |
| B B C C \$ B B C C | B B C C \$ B B C C | B B C C \$ B B C C | C C \$ C C |
| \#32. Move S: | \#34. Move B: | \#36. Move 1: | \#38. Move D: |
| A A 22 \$ A A A | A A 22 \$ A A A | A A $221 \$ \mathrm{~A}$ A A | A A 22 \$ A A A |
| A A $22 \$$ A A | A A $22 \$ \mathrm{~A}$ A | A A $22 \$ \mathrm{~A}$ A | A A $22 \$ \mathrm{~A} A$ |
| D D \$ | B B D D \$ B B | B B D D \$ B B | B B $\quad \$ \mathrm{~B}$ B |
| D D \$ D | B B D D \$ B B D | $B \mathrm{~B} D \mathrm{D} \$ \mathrm{~B} B \mathrm{D}$ | B B $\quad$ \$ B B |
| B B S S \$ B B | S S \$ | C C S S \$ C C | C C D D \$ C C |
| B B S S \$ B B | S S \$ | C C S S \$ C C | C C D D \$ C C D |
| C C C 1 1 \$ C C | C C 1 1 \$ C C | 111 | 118 S S \$ |
| C C 1 1 \$ C C | C C 1 1 \$ C C | 1115 | $11 \mathrm{~S} \mathrm{~S} \mathrm{\$}$ |

